



TEST REPORT

Reference No	: 4	WTF24F07155253N
Applicant	: 3	Mid Ocean Brands B.V.
Address	900 - 10	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer		106613
Address	÷	A start marker while while when a day in the start
Product Name	:	Touch light wireless speaker
Model No	:	MO9048
Test specification	MALT!	Photobiological safety of lamps and lamp systems EN 62471:2008 IEC 62471:2006 (First Edition)
Date of Receipt sample	;et	2024-07-02
Date of Test	:	2024-07-02 to 2024-07-23
Date of Issue	: .	2024-07-23
Test Report Form No	:	WPL-62471A-08A
Test Result	:	Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By: Waltek Testing Group (Foshan) Co., Ltd.

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Tested by hao

Johnny Zhao

Approved by:

Vm 24 Finn)

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Test item description:	Touch light wireless speaker	
Trade Mark:	None	

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a comma (point) is used as the decimal separator.

Use of uncertainty of measurement for decisions on conformity (decision rule): No decision rule is specified by the standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method").

Remark:

- 1. Measurement was conducted at voltage 5VDC with USB and at a stable ambient temperature 25°C±5°C.
- 2. Detail information for models covered in this report as below:

		10 - 50 - 50 - 50		L 18 18
Item	Model	Ratings	ССТ	Driver
<u></u>	MO9048	5VDC		

Summary of testing:

The tests were conducted under luminaire/lamp/LED rating.

All tests were carried out at model MO9048.

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Test item particulars	: See below			
Tested lamp	: 🛛 continuous	wave lamps	🗌 pu	sed lamps
Tested lamp system	: No lamp syste	m		
Lamp classification group	:exempt⊠	risk 1	risk 2	risk 3
Lamp cap				
Bulb	v "No ! au			
Rated of the lamp	: See model lis	t in page 2		
Furthermore marking on the lamp	None			
Seasoning of lamps according IEC standard	: None			
Used measurement instrument	See page 13			
Temperature by measurement	: 25 ± 5 °C			
Information for safety use	and the state of t			
Possible test case verdicts:	St St.	Star Sta	and and	an ann
- test case does not apply to the test object	: N(/A) (Not app	olicable)		
- test object does meet the requirement	: P (Pass)			
- test object does not meet the requirement	: F (Fail)			



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Clause	Requirement + Test	Result – Remark	Verdict
4	EXPOSURE LIMITS	mer in in	P
+ 4.1	General	15 5 5	Р
STER WIN	The exposure limits in this standard is not less than 0,01 ms and not more than any 8-hour period and should be used as guides in the control of exposure	List waiset waiset	P
et antife	Detailed spectral data of a light source are generally required only if the luminance of the source exceeds 10 ⁴ cd·m ⁻²	see clause 4.3	Р
4.3	Hazard exposure limits	- with with and	Р
4.3.1	Actinic UV hazard exposure limit for the skin and eye	Se	Р
ner w	The exposure limit for effective radiant exposure is 30 J·m ⁻² within any 8-hour period	NUTL WRITE WALL	Р
	To protect against injury of the eye or skin from ultraviolet radiation exposure produced by a broadband source, the effective integrated spectral irradiance , E_s , of the light source shall not exceed the levels defined by:	net white white a	Ρ
Whitek v	$E_{\rm s} \cdot t = \sum_{200}^{400} \sum_{t} E_{\lambda}(\lambda, t) \cdot S_{\rm UV}(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 30 \qquad \text{J·m}^{-2}$	white white white	P
NETEX ANY	The permissible time for exposure to ultraviolet radiation incident upon the unprotected eye or skin shall be computed by:	white white	P
Set white	$t_{\max} = \frac{30}{E_s} \qquad s$	WALTER WALTER W	P
4.3.2	Near-UV hazard exposure limit for eye	t the star of	Р
NUTER N	For the spectral region 315 nm to 400 nm (UV-A) the total radiant exposure to the eye shall not exceed 10000 J·m ⁻² for exposure times less than 1000 s. For exposure times greater than 1000 s (approximately 16 minutes) the UV-A irradiance for the unprotected eye, E _{UVA} , shall not exceed 10 W·m ⁻² .	and and another	P
et and	The permissible time for exposure to ultraviolet radiation incident upon the unprotected eye for time less than 1000 s, shall be computed by:	a state and and	P
and the s	$t_{\max} \le \frac{10000}{E_{\text{UVA}}} \qquad \text{s}$	what which which	P.S.
4.3.3	Retinal blue light hazard exposure limit	See table 4.2	Р
Ner with	To protect against retinal photochemical injury from chronic blue-light exposure, the integrated spectral radiance of the light source weighted against the blue-light hazard function, $B(\lambda)$, i.e., the blue-light weighted radiance , L _B , shall not exceed the levels defined by:	and another and	Р
AND THE REAL	$L_{\rm B} \cdot t = \sum_{300}^{700} \sum_{t} L_{\lambda}(\lambda, t) \cdot B(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 10^6 \qquad \rm J \cdot m^{-2} \cdot sr^{-1}$	for t $\leq t_{\text{max}} = \frac{10^6}{L_B}$	Р

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IEC/EN 62471				
Clause	Requirement + Test	Result – Remark	Verdict	
and the st	$L_{\rm B} = \sum_{300}^{700} L_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda \le 100 \qquad \qquad {\rm W} \cdot {\rm m}^{-2} \cdot {\rm sr}^{-1}$	and and an	P	
4.3.4	Retinal blue light hazard exposure limit - small source	M. M. W.	N	
555	Thus the spectral irradiance at the eye E_{λ} , weighted against the blue-light hazard function $B(\lambda)$ shall not exceed the levels defined by:	and white white	N	
and and a second	$E_{B} \cdot t = \sum_{300}^{700} \sum_{t} E_{\lambda}(\lambda, t) \cdot B(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 100 \qquad J \cdot m^{-2}$	when when we	N	
an . Set	$E_{\rm B} = \sum_{300}^{700} E_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda \le 1 \qquad W \cdot m^{-2}$	while while wh	N	
4.3.5	Retinal thermal hazard exposure limit	min white where	Р	
stek sants Kamurek	To protect against retinal thermal injury, the integrated spectral radiance of the light source, L_{λ} , weighted by the burn hazard weighting function $R(_{\lambda})$ (from Figure 4.2 and Table 4.2), i.e., the burn hazard weighted radiance, shall not exceed the levels defined by:	Tet white white	Ρ	
WALLEY V	$L_{\rm R} = \sum_{380}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda \le \frac{50000}{\alpha \cdot t^{0,25}} \qquad \rm W \cdot m^{-2} \cdot sr^{-1}$	(10 µs ≤ t ≤ 10 s)	et P.t.	
4.3.6	Retinal thermal hazard exposure limit - weak visual stimulus	1 15 50	_ ́Р	
ret yrnir yrnir	For an infrared heat lamp or any near-infrared source where a weak visual stimulus is inadequate to activate the aversion response, the near infrared (780 nm to 1400 nm) radiance, L_{IR} , as viewed by the eye for exposure times greater than 10 s shall be limited to:	and and and	P	
AND -	$L_{\rm IR} = \sum_{780}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda \le \frac{6000}{\alpha} \qquad W \cdot {\rm m}^{-2} \cdot {\rm sr}^{-1}$	while whe wh	Р	
4.3.7	Infrared radiation hazard exposure limits for the eye	on m m	Р	
STER WALTER WALTER	The avoid thermal injury of the cornea and possible delayed effects upon the lens of the eye (cataractogenesis), ocular exposure to infrared radiation, E_{IR} , over the wavelength range 780 nm to 3000 nm, for times less than 1000 s, shall not exceed:	and and and a	P	
WALTER V	$E_{\rm IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta \lambda \le 18000 \cdot t^{-0,75} \qquad \rm W \cdot m^{-2}$	ament and and	Р	
run ar	For times greater than 1000 s the limit becomes:	sufer multi sputt	P N	
State ST	$E_{\rm IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta \lambda \le 100 \qquad \rm W \cdot m^{-2}$	a st st	Stort P	
-30		when the 1	9	
4.3.8	Thermal hazard exposure limit for the skin	t milt white	P	
	Visible and infrared radiant exposure (380 nm to 3000 nm) of the skin shall be limited to:	1. 15 A	P	

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IEC/EN 62471				
Clause	Requirement + Test	Result – Remark	Verdict	
white a	$E_{H} \cdot t = \sum_{380}^{3000} \sum_{t} E_{\lambda}(\lambda, t) \cdot \Delta t \cdot \Delta \lambda \le 20000 \cdot t^{0,25} \qquad J \cdot m^{-2}$	100 000 000 000	P	
5	MEASUREMENT OF LAMPS AND LAMP SYSTEMS	Mr. Mr. m.	Р	
5.1	Measurement conditions	and water water	Nº Por	
et white	Measurement conditions shall be reported as part of the evaluation against the exposure limits and the assignment of risk classification.	et andret andret a	P P	
5.1.1	Lamp ageing (seasoning)	1 1 1	N	
ant -	Seasoning of lamps shall be done as stated in the appropriate IEC lamp standard.	water water wa	N	
5.1.2	Test environment	MITE WALL WALL	- ⁹ Р - 9	
istek waist	For specific test conditions, see the appropriate IEC lamp standard or in absence of such standards, the appropriate national standards or manufacturer's recommendations.	Tet white white.	P	
5.1.3	Extraneous radiation	t set set a	P	
WALLEY N	Careful checks should be made to ensure that extraneous sources of radiation and reflections do not add significantly to the measurement results.	maret anaret and	Р	
5.1.4	Lamp operation	1. 1 1	P	
ne m	Operation of the test lamp shall be provided in accordance with:	Server and	Р	
an annun	- the appropriate IEC lamp standard, or	and an and a	N	
1. 15	 the manufacturer's recommendation 	t at	P d	
5.1.5	Lamp system operation	american sumini sum	P	
Whitek al	The power source for operation of the test lamp shall be provided in accordance with:	and when and	P	
	 the appropriate IEC standard, or 		Р	
in me	- the manufacturer's recommendation	The and a superior	N P.V	
5.2	Measurement procedure	1 A A	P	
5.2.1	Irradiance measurements	and and and all	P	
. det	Minimum aperture diameter 7mm.	the start of	P	
ans 1	Maximum aperture diameter 50 mm.	which which whe	P	
NUTER M	The measurement shall be made in that position of the beam giving the maximum reading.	NITER MUTER WHITE	P	
5 5	The measurement instrument is adequate calibrated.	a to the	P .	
5.2.2	Radiance measurements	the white white	Р	
5.2.2.1	Standard method	1 15	S PS	
ches.	The measurements made with an optical system.	and and all	Р	



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Clause	Requirement + Test	Result – Remark	Verdic
whitet at	The instrument shall be calibrated to read in absolute radiant power per unit receiving area and per unit solid angle to acceptance averaged over the field of view of the instrument.	and and and	P
5.2.2.2	Alternative method	A to the	_ P
et aut	Alternatively to an imaging radiance set-up, an irradiance measurement set-up with a circular field stop placed at the source can be used to perform radiance measurements.	et the the	Р
5.2.3	Measurement of source size	An. In A.	Р
salverte .	The determination of α , the angle subtended by a source, requires the determination of the 50% emission points of the source.	white white whi	Р
5.2.4	Pulse width measurement for pulsed sources	mar white where	N
LICK WALL	The determination of Δt , the nominal pulse duration of a source, requires the determination of the time during which the emission is > 50% of its peak value.	set while while	N
5.3	Analysis methods	t stat stat is	Р
5.3.1	Weighting curve interpolations	20 20 20	P
and a	To standardize interpolated values, use linear interpolation on the log of given values to obtain intermediate points at the wavelength intervals desired.	see table 4.1	P
5.3.2	Calculations	Salart Salart	A P A
ret waits	The calculation of source hazard values shall be performed by weighting the spectral scan by the appropriate function and calculating the total weighted energy.	which where a	Р
5.3.3	Measurement uncertainty	with mitter and	Р
States of	The quality of all measurement results must be quantified by an analysis of the uncertainty.	tet stat sof	P.
6	LAMP CLASSIFICATION	one we we	Р
Sector MARI	For the purposes of this standard it was decided that the values shall be reported as follows:	see table 6.1	N STE Por
antifet o	 for lamps intended for general lighting service, the hazard values shall be reported as either irradiance or radiance values at a distance which produces an illuminance of 500 lux, but not at a distance less than 200 mm 	A SALES AND	SC STATES
marter wh	 for all other light sources, including pulsed lamp sources, the hazard values shall be reported at a distance of 200 mm 	whet while white	Р
6.1	Continuous wave lamps	let get get	ST Pas
6.1.1	Exempt Group	an an a	Р
Multe	In the exempt group is lamp, which does not pose any photobiological hazard. The requirement is met by any lamp that does not pose:	Marter Marter M	Р



Clause	Requirement + Test	Result – Remark	Verdict
Olduse		Itesuit Itemaik	Verdice
Set	 an actinic ultraviolet hazard (E_s) within 8-hours exposure (30000 s), nor 	10 50 St	P.
en en Litere	 a near-UV hazard (E_{UVA}) within 1000 s, (about 16 min), nor 	and all all	Р
er	- a retinal blue-light hazard (L _B) within 10000 s (about 2,8 h), nor	ist which which	S P
- sures	- a retinal thermal hazard (L _R) within 10 s, nor	the sparse where we	Р
Multer	- an infrared radiation hazard for the eye (E_{IR}) within 1000 s	and and an	Р
maret wi	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near-infrared retinal hazard (L_{IR}), within 1000 s are in Risk Exempt Group	NET SHEET MALE	P
6.1.2	Risk Group 1 (Low-Risk)	at at at	N S
4	In this group is lamp, which exceeds the limits for the exempt group but that does not pose:	which where is	N
Mar	- an actinic ultraviolet hazard (E _s) within 10000 s, nor	white white our	° N
ð	- a near ultraviolet hazard (EUVA) within 300 s, nor	A St S	N
24. 2	- a retinal blue-light hazard (L _B) within 100 s, nor	and she was	N N
1.	- a retinal thermal hazard (L _R) within 10 s, nor	1 15 15	ંંગ
e. 46.	– an infrared radiation hazard for the eye (E_{IR}) within 100 s	Saure and	N
Int WALT	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near-infrared retinal hazard (L_{IR}), within 100 s are in Risk Group 1.	support support of	N
6.1.3	Risk Group 2 (Moderate-Risk)	the street internal	N
merter of	This requirement is met by any lamp that exceeds the limits for Risk Group 1, but that does not pose:	and and with	L N
e S ^{an} S	 an actinic ultraviolet hazard (E_s) within 1000 s exposure, nor 	an an an	N
<u></u>	 a near ultraviolet hazard (E_{UVA}) within 100 s, nor 	a the the	N
et white	$-$ a retinal blue-light hazard (L_B) within 0,25 s (aversion response), nor	and and and an	N
Whitek 3	 a retinal thermal hazard (L_R) within 0,25 s (aversion response), nor 	minet minet whi	N
15	– an infrared radiation hazard for the eye (E_{IR}) within 10 s	i de de	N
ner with	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near-infrared retinal hazard (L_{IR}), within 10 s are in Risk Group 2.	and and and	N
6.1.4	Risk Group 3 (High-Risk)	and the o	N
WALTER	Lamps which exceed the limits for Risk Group 2 are in Group 3.	white white wh	S N
6.2	Pulsed lamps	A 15 1	N



anter.	IEC/EN 62471				
Clause	Requirement + Test	Result – Remark	Verdict		
	Pulse lamp criteria shall apply to a single pulse and to any group of pulses within 0,25 s.	all all all	N		
ar a Star	A pulsed lamp shall be evaluated at the highest nominal energy loading as specified by the manufacturer.	when when wh	N		
	The risk group determination of the lamp being tested shall be made as follows:	Lat white white	N		
ma	 a lamp that exceeds the exposure limit shall be classified as belonging to Risk Group 3 (High-Risk) 	MUTLE MUTLE W	N		
white a	 for single pulsed lamps, a lamp whose weighted radiant exposure or weighted radiance does is below the EL shall be classified as belonging to the Exempt Group 	WALTER WALTER WAL	N		
an an Lifet annis An an	 for repetitively pulsed lamps, a lamp whose weighted radiant exposure or weighted radiance dose is below the EL, shall be evaluated using the continuous wave risk criteria discussed in clause 6.1, using time averaged values of the pulsed emission 	And And And And	N		

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Wavelength ¹ λ, nm	UV hazard function $S_{uv}(\lambda)$	Wavelength λ, nm	UV hazard function S _{υν} (λ)
200	0,030	313*	0,006
205	0,051	315	0,003
210	0,075	316	0,0024
215	0,095	317	0,0020
220	0,120	318	0,0016
225	0,150	319	0,0012
230	0,190	320	0,0010
235	0,240	322	0,00067
240	0,300	323	0,00054
245	0,360	325	0,00050
250	0,430	328	0,00044
254*	0,500	330	0,00041
255	0,520	333*	0,00037
260	0,650	335	0,00034
265	0,810	340	0,00028
270	1,000	345	0,00024
275	0,960	350	0,00020
280*	0,880	355	0,00016
285	0,770	360	0,00013
290	0,640	365*	0,00011
295	0,540	370	0,000093
297*	0,460	375	0,000077
300	0,300	380	0,000064
303*	0,120	385	0,000053
305	0,060	390	0,000044
308	0,026	395	0,000036
310	0,015	400	0,000030

¹ Wavelengths chosen are representative: other values should be obtained by logarithmic interpolation at intermediate wavelengths.

* Emission lines of a mercury discharge spectrum.

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ble 4.2	sources	functions for assessing retinal hazards fr	om broadband optical P	
Wavelength		Blue-light hazard function B (λ)	Burn hazard function R (λ)	
S.	300	0,01	1. 1. 1. 5	
- 40	305	0,01	when when some sol	
de la	310	0,01		
·	315	0,01	10 10 10 20	
1997	320	0,01	the all the top the	
S.	325	0,01	1 4 15 15	
. dr	330	0,01	the way and the star	
	335	0,01	The second second	
19	340	0,01	- 15 15 I I	
$b_{\mu} = a_{\mu}$	345	0,01	when when when when	
1	350	0,01		
19. 19	355	0,01	at at at at	
~~~~	360	0,01	the strength and	
- 10	365	0,01	a at the lite	
. der	370	0,01	at at at at	
1	375	0,01		
5	380	0,01		
she i	385	0,013	0,13	
12.	390	0,025	0,25	
5	395	0,05	0,5	
2	400	0,10	1,0	
st 1	405	0,20	2,0	
St.	410	0,40	4,0	
	415	0,80	8,0	
	420	0,90	9,0	
de.	425	0,95	9,5	
	430	0,98	9,8	
S	435	1,00	10,0	
	440	1,00	10,0	
di-	445	0,97	9,7	
Ter.	450	0,94	9,4	
	455	0,90	9,0	
- <u>5</u>	460	0,80	8,0	
20.	465	0,70	7,0	
a de la	470	0,62	6,2	
	475	0,55	5,5	
39 C	480	0,45	4,5	
15	485	0,40	4,0	
N	490	0,22	2,2	
	495	0,16	1,6	
e 3	500-600	10 ^[(450-λ)/50]	1,0	
-34	600-700	0,001	1,0	
	700-1050	at an an a	10 ^[(700-λ)/500]	
	1050-1150	the state of the state	0,2	
19 C	1150-1200 1200-1400	1 1 5 5 S S	0,2.10 ^{0,02(1150-λ)}	

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Table 5.4	Summary of the ELs for the surface of the skin or cornea (irradiance based values)								
Hazard Name	Relevant equation	Wavelength range nm	Exposure duration sec	Limiting aperture rad (deg)	EL in terms of constant irradianc W•m ⁻²				
Actinic UV skin & eye	$\mathbf{E}_{\alpha} = \mathbf{V} \mathbf{E}_{\alpha} \bullet \mathbf{S}(\mathbf{A}) \bullet \mathbf{A}$	200 - 400	< 30000	1,4 (80)	30/t				
Eye UV-A	$E_{UVA} = \sum E_{\lambda} \bullet \Delta \lambda$	315 – 400	≤1000 >1000	1,4 (80)	10000/t 10				
Blue-light small source	$E_{B} = \sum E_{\lambda} \bullet B(\lambda) \bullet \Delta \lambda$	300 – 700	≤100 >100	< 0,011	100/t 1,0				
Eye IR	$E_{IR} = \sum E_{\lambda} \bullet \Delta \lambda$	780 –3000	≤1000 >1000	1,4 (80)	18000/t ^{0,75} 100				
Skin therma	$H = \sum E_{\lambda} \bullet \Delta \lambda$	380 - 3000	< 10	2π sr	20000/t ^{0,75}				

Table 5.5 S	ummary of the ELs for th	e retina (radian	ce based valu	ies)	which we are Black	
Hazard Name	e Relevant equation	Wavelength range nm	Exposure duration sec	Field of view radians	EL in terms of constant radiance W•m ⁻² •sr ⁻¹ )	
Blue light	$L_{B} = \sum L_{\lambda} \bullet B(\lambda) \bullet \Delta \lambda$	300 – 700	0,25 – 10 10-100 100-10000 ≥ 10000	0,011•√(t/10) 0,011 0,0011•√t 0,1	10 ⁶ /t 10 ⁶ /t 10 ⁶ /t 100	
Retinal thermal	$L_{R} = \sum L_{\lambda} \bullet R(\lambda) \bullet \Delta \lambda$	380 – 1400	< 0,25 0,25 – 10	0,0017 0,011∙√(t/10)	50000/(α•t ^{0,25} ) 50000/(α•t ^{0,25} )	
Retinal thermal (weak visual stimulus)	$L_{IR} = \sum L_{\lambda} \bullet R(\lambda) \bullet \Delta \lambda$	780 – 1400	> 10	0,011	6000/α	

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	Action	Symbol	Units	Emission Measurement						
Risk	spectr			Exempt		Low risk		Mod risk		risk
	um			Limit	Result	Limit	Result	Limi	it	Resul
Actinic UV	S _{UV} (λ)	Es	W•m ⁻²	0,001	1.56e-08	0,003	04 - 15 15	0,03	3	рин <u></u> с
Near UV		EUVA	W•m⁻²	0.33	3.54e-04	<u>33</u>		100		
Blue light	Β(λ)	LB	W∙m⁻ ²∙sr⁻¹	100	4.40e-02	10000		4000000		÷
Blue light, small source	Β(λ)	Ев	W•m ⁻²	0.01	er	1,0	nt va Set Vanus	400		an a
Retinal thermal	R(λ)	L _R	W∙m⁻ ²∙sr⁻¹	28000/α	9.65e-01	28000/α	r strift	71000	)/α	
Retinal thermal, weak	R(λ)	LiR	W•m ⁻	545000 0.0017 ≤α≤ 0.011	ALIEN WALT	white white white white white				an ann
visual stimulus **	mulus		² •sr ⁻¹ –	6000/α 0.011 ≤α≤ 0.1	6.69e-02					
IR radiation , eye	¥.	E _{IR}	W•m⁻²	100	2.65e-02	570		320	3200	
Small so Involves	urce defined evaluation of	d as one with of non-GLS s	α<0.011 r ource.	adian. Avera	ging field of vie	ew at 10000 s	is 0.1 radi	an.	w.c.	and .
1.0						(mrad) (W				.imit m2/sr)
0.8-					100(Exempt Risk Group)4.40e-0211(Risk Group 1)6.03e-02			1.0	1.00e+02	
0.8-								6.03e-02		1.00e+4
ש 0.6- או				1.7(Risk Group 2) 6.16e-02 4.00e+06					0e+06	
- 0.0 bectr s 0.4-					LR RFOV Measured Limit (mrad) (W/m2/sr) (W/m2/sr)					
0.2-					(mrad) (w/m2/sr) (w/m2/sr) (w/m2/sr) (w/m2/sr) 11(Exempt 9.65e-01 2.80e+					
0.2			l An dh a	11/Risk			0e+05			
0.0	, <b>1</b> ,				الكانة التكليب فراجاتها بالالالا الارار المارج	Gioup	1) I			



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### Attachment 1: Equipment List

Equipment	Model/Type	Internal ID	Cal. Due. Date	
UV-VIS-near IR Spectrophotocolorimeter	EVERFINE PMS-2000	WTFN1017A1-004	2025-01-10	
High Accuracy Array Spectroradiometer	EVERFINE HAAS-2000 IR1	WTFN1017A1-005	2025-01-10	
Standard luminance source	EVERFINE SLS-150	WTFN1017A1-006	2025-01-06	
Standard lamp of ultraviolet radiation	EVERFINE SIS-631	WTFN1018A1-002	2025-01-06	
Spectral irradiance standard lamp	EVERFINE D204BH	WTFN1019A1-002	2025-01-06	
Digital Power Meter	EVERFINE PF310A	WTFN1004A1-005	2025-01-10	
AC Power Source	EVERFINE DPS1010	WTFN1005A1-006	2025-01-10	
Digital CC&CV DC Power Supply	EVERFINE WY3010	WTFN1006A1-004	2025-01-10	
High Stability UV Standard Power Supply	EVERFINE UVS-8005	WTFN1007A1-002	2025-01-10	
BAND RADIOMETER	EVERFINE RD-2000F	WTFN1017A1-003	2025-01-08	
Spectral Photometer Detector	EVERFINE SPD-2	WTFN1017A1-007	2025-01-10	
Temperature & Humidity Datalogger	Testo 608-H1	WTFN1017A1-003	2025-01-04	

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### **Attachment 2: Photo document**

Model: MO9048



Photo 1



Photo 2

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Photo 4

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Photo 5

===== End of Report ======

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