



Report of Test

LLIA000785-004

Catalog Number: GTSOL5498-G2-HO-SV-BR-75D

White aluminum mounting plate, aluminum heatsink and cooling fan, clear plastic outer enclosure.

One GTSOL5498 LED module with 42 white LEDs, 6 groups of 7 LEDs with clear patterned glass optics below each. One Mean Well HLG-150H-24B LED driver.

120.0Vac, 60.00Hz, 0.9385A, 111.7W, 0.992PF, 8.2%THD(i)



Performance Summary

Total Light Output	11408 lm
Luminaire Power	111.7 W
Luminous Efficacy	102.1 lm/W

PREPARED FOR : Global Tech LED, 8901 Quality Road, Bonita Springs, FL 34135, USA



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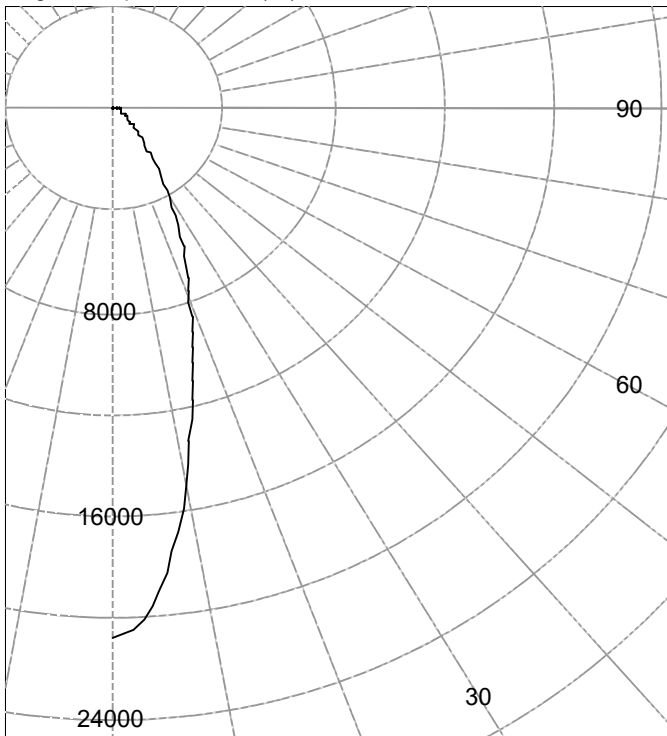
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	84198
55.0	49072
65.0	39195
75.0	58563
85.0	143639

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	20824		90	136	
5	19029	1683	95	98	105
10	15019		100	55	
15	11070	3081	105	11	18
20	8126		110	2	
25	5911	2701	115	1	1
30	4036		120	0	
35	2609	1658	125	0	0
40	1653		130	0	
45	1080	857	135	0	0
50	742		140	0	
55	511	470	145	0	0
60	377		150	0	
65	301	307	155	0	0
70	279		160	0	
75	275	292	165	0	0
80	270		170	0	
85	227	234	175	0	0
90	136		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	7466	N / A	65.4
0-40	9123	N / A	80.0
0-60	10450	N / A	91.6
0-90	11283	N / A	98.9
40-90	2160	N / A	18.9
60-90	833	N / A	7.3
90-180	124	N / A	1.1
0-180	11408	N / A	100.0

Total Light Output = 11,408 lm

Spacing Criterion: 0-180 0.5
Spacing Criterion: 90-270 0.5

Signed:

Michael L. Grather
Authorized Signatory

Date of test 31-May-2017
Date of report 2-Jun-2017



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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	20824		90.0	136	
2.5	20349		92.5	109	
5.0	19029	1683	95.0	98	
7.5	17141		97.5	84	105
10.0	15019		100.0	55	
12.5	12949		102.5	28	
15.0	11070	3081	105.0	11	
17.5	9467		107.5	3	18
20.0	8126		110.0	2	
22.5	6966		112.5	1	
25.0	5911	2701	115.0	1	
27.5	4929		117.5	0	1
30.0	4036		120.0	0	
32.5	3264		122.5	0	
35.0	2609	1658	125.0	0	
37.5	2074		127.5	0	0
40.0	1653		130.0	0	
42.5	1328		132.5	0	
45.0	1080	857	135.0	0	
47.5	891		137.5	0	0
50.0	742		140.0	0	
52.5	612		142.5	0	
55.0	511	470	145.0	0	
57.5	435		147.5	0	0
60.0	377		150.0	0	
62.5	332		152.5	0	
65.0	301	307	155.0	0	
67.5	284		157.5	0	0
70.0	279		160.0	0	
72.5	279		162.5	0	
75.0	275	292	165.0	0	
77.5	277		167.5	0	0
80.0	270		170.0	0	
82.5	260		172.5	0	
85.0	227	234	175.0	0	
87.5	168		177.5	0	0
90.0	136		180.0	0	



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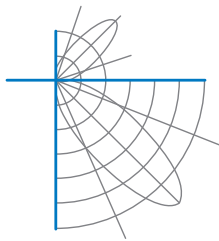
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	112	108	105	103	109	106	103	101	102	99	97	98	96	94	94	93	91	89
2	105	100	95	91	103	98	94	90	94	91	88	91	88	86	88	86	84	82
3	100	92	87	82	97	91	86	82	88	84	80	85	82	79	83	80	77	76
4	94	86	80	75	92	85	79	75	82	78	74	80	76	73	78	75	72	70
5	90	81	74	70	88	79	74	69	78	72	68	76	71	68	74	70	67	65
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	61	80	71	65	60	69	64	60	68	63	60	67	62	59	58
8	77	67	61	57	76	67	61	57	66	60	56	64	60	56	63	59	56	54
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	60	56	53	52
10	71	61	55	51	70	60	55	51	59	54	51	59	54	50	58	53	50	49

For absolute test reports, CUs are expressed as a percentage of total lumen output. Calculations were based on published IES procedures, and are based on the zonal cavity method. Basic assumptions: 1) Room surfaces are lambertian reflectors. 2) Incident flux on each surface is uniformly distributed. 3) The room is spectrally neutral. When luminaires are not evenly distributed throughout the room, or do not exhibit lateral symmetry, CU values may differ from actual performance.

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	578.4	3.09	3.09
8.0	325.4	4.12	4.12
10.0	208.2	5.15	5.15
12.0	144.6	6.18	6.18
14.0	106.2	7.21	7.21
16.0	81.3	8.24	8.24



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Test Distance 9.5 m
Test Temperature 24.9 °C

Notes The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2015, ANSI C82.77-10:2014.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with * are not covered.

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