



Report of Test

LLIA000785-001

Catalog Number: GTSOL5498-G2-HO-SV-BR-10D

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 glass optics below each.

One Mean Well HLG-150H-24B LED driver.

120.0Vac, 60.00Hz, 0.9499A, 113.0W, 0.991PF, 8.7%THD(i)



Performance Summary

Total Light Output	11342 lm
Luminaire Power	113.0 W
Luminous Efficacy	100.4 lm/W

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



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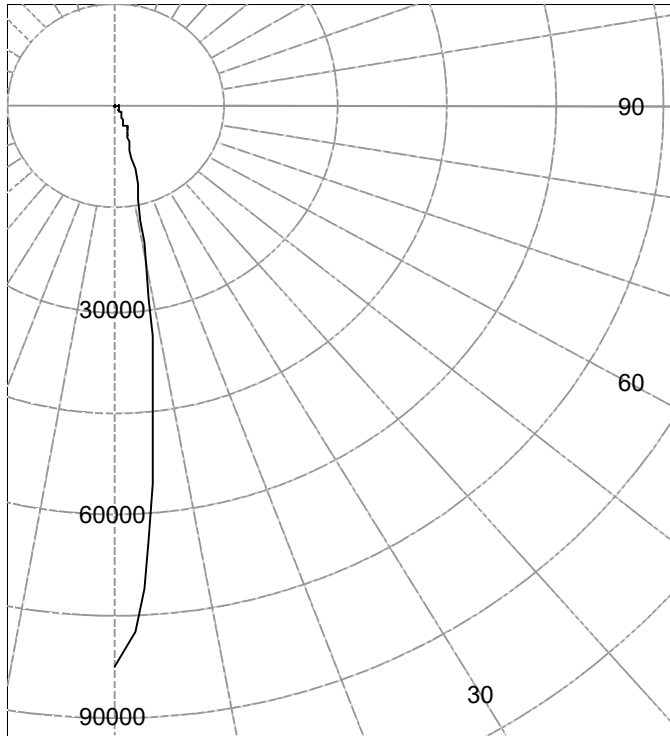
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	52171
55.0	49477
65.0	47224
75.0	77060
85.0	139398

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	82529		90	147	
5	55764	4221	95	105	112
10	24111		100	56	
15	9610	2902	105	14	20
20	4664		110	2	
25	3240	1464	115	1	1
30	1957		120	0	
35	878	640	125	0	0
40	732		130	0	
45	669	522	135	0	0
50	617		140	0	
55	515	462	145	0	0
60	421		150	0	
65	362	369	155	0	0
70	359		160	0	
75	362	376	165	0	0
80	336		170	0	
85	220	253	175	0	0
90	147		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	8587	N / A	75.7
0-40	9227	N / A	81.3
0-60	10211	N / A	90.0
0-90	11210	N / A	98.8
40-90	1983	N / A	17.5
60-90	998	N / A	8.8
90-180	133	N / A	1.2
0-180	11342	N / A	100.0

Total Light Output = 11,342 lm

Spacing Criterion: 0-180 0.24
Spacing Criterion: 90-270 0.24

Signed:

Michael L. Grather
Authorized Signatory

Date of test 30-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	82529		90.0	147	
2.5	74576		92.5	122	
5.0	55764	4221	95.0	105	
7.5	36961		97.5	83	112
10.0	24111		100.0	56	
12.5	15475		102.5	31	
15.0	9610	2902	105.0	14	
17.5	6314		107.5	5	20
20.0	4664		110.0	2	
22.5	3806		112.5	2	
25.0	3240	1464	115.0	1	
27.5	2639		117.5	0	1
30.0	1957		120.0	0	
32.5	1231		122.5	0	
35.0	878	640	125.0	0	
37.5	770		127.5	0	0
40.0	732		130.0	0	
42.5	703		132.5	0	
45.0	669	522	135.0	0	
47.5	655		137.5	0	0
50.0	617		140.0	0	
52.5	570		142.5	0	
55.0	515	462	145.0	0	
57.5	466		147.5	0	0
60.0	421		150.0	0	
62.5	385		152.5	0	
65.0	362	369	155.0	0	
67.5	355		157.5	0	0
70.0	359		160.0	0	
72.5	360		162.5	0	
75.0	362	376	165.0	0	
77.5	353		167.5	0	0
80.0	336		170.0	0	
82.5	289		172.5	0	
85.0	220	253	175.0	0	
87.5	177		177.5	0	0
90.0	147		180.0	0	



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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	10	0
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	107	102	98	94	105	100	96	93	97	93	91	93	91	89	90	88	87	85
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	98	91	86	82	96	90	85	81	87	83	80	85	82	79	83	80	78	76
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	91	83	78	74	90	82	77	74	81	76	73	79	75	73	78	75	72	71
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	77	72	69	84	77	72	68	76	71	68	74	71	68	74	70	67	66
9	83	75	70	66	82	74	70	66	73	69	66	72	69	66	72	68	66	64
10	81	73	68	65	80	72	68	64	71	67	64	71	67	64	70	66	64	63

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	2292.5	1.42	1.42
8.0	1289.5	1.89	1.89
10.0	825.3	2.36	2.36
12.0	573.1	2.84	2.84
14.0	421.1	3.31	3.31
16.0	322.4	3.78	3.78



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Test Distance 9.5 m
Test Temperature 24.3 °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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