



Report of Test

LLIA000901-017

Catalog Number: SM5238/F11/D61/L411

Pendant mounted, formed steel and aluminum frame
with "lumenate" diffuser, translucent white plastic bottom enclosure.
One white LED module with clear patterned hemispherical lens below.
One ERP ESS030W-0620-42 LED driver
120.0Vac, 60.00Hz, 0.2124A, 24.95W, 0.979PF, 11.8%THD(i)



Performance Summary

Total Light Output	1775 lm
Luminaire Power	24.9 W
Luminous Efficacy	71.3 lm/W

PREPARED FOR : Lumetta, Inc, 33 Minnesota Avenue, Warwick, RI 02888, USA

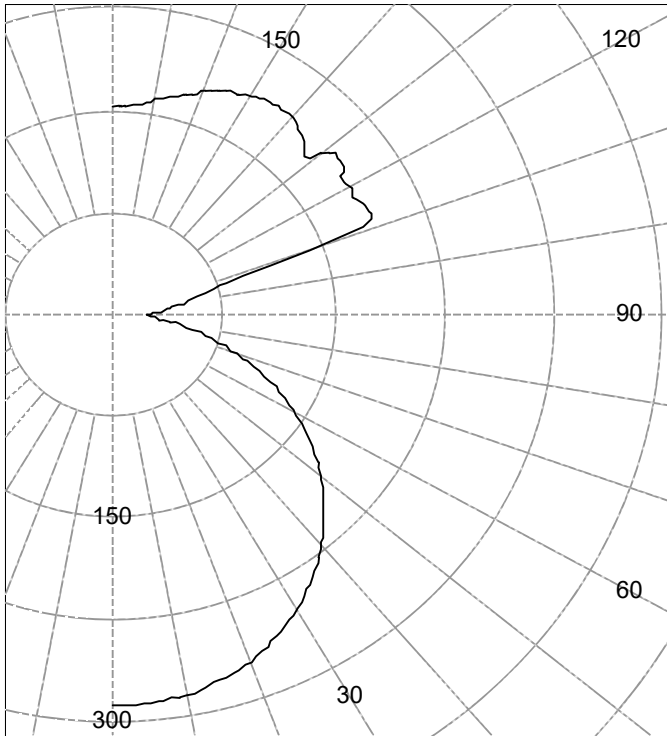


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Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	744
55.0	651
65.0	533
75.0	376
85.0	200

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	289		90	22	
5	288	27	95	33	36
10	285		100	48	
15	280	79	105	72	80
20	272		110	143	
25	262	121	115	190	184
30	251		120	186	
35	237	148	125	191	169
40	221		130	185	
45	203	157	135	182	141
50	184		140	189	
55	163	146	145	190	119
60	141		150	186	
65	118	116	155	181	84
70	93		160	174	
75	69	73	165	167	48
80	46		170	161	
85	28	33	175	155	15
90	22		180	153	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	227	N / A	12.8
0-40	376	N / A	21.2
0-60	678	N / A	38.2
0-90	901	N / A	50.7
40-90	525	N / A	29.6
60-90	222	N / A	12.5
90-180	875	N / A	49.3
0-180	1775	N / A	100.0

Total Light Output = 1,775 lm

Signed:

Authorized Signatory

Spacing Criterion 0-180 1.3
Spacing Criterion 90-270 1.3

Date of test 20-Dec-2017
Date of report 21-Dec-2017



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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	289		90.0	22	
2.5	289		92.5	26	
5.0	288	27	95.0	33	36
7.5	287		97.5	40	
10.0	285		100.0	48	
12.5	283		102.5	57	
15.0	280	79	105.0	72	80
17.5	276		107.5	85	
20.0	272		110.0	143	
22.5	268		112.5	189	
25.0	262	121	115.0	190	184
27.5	257		117.5	185	
30.0	251		120.0	186	
32.5	244		122.5	184	
35.0	237	148	125.0	191	169
37.5	229		127.5	192	
40.0	221		130.0	185	
42.5	212		132.5	176	
45.0	203	157	135.0	182	141
47.5	194		137.5	187	
50.0	184		140.0	189	
52.5	174		142.5	190	
55.0	163	146	145.0	190	119
57.5	152		147.5	188	
60.0	141		150.0	186	
62.5	129		152.5	184	
65.0	118	116	155.0	181	84
67.5	106		157.5	178	
70.0	93		160.0	174	
72.5	81		162.5	171	
75.0	69	73	165.0	167	48
77.5	57		167.5	164	
80.0	46		170.0	161	
82.5	36		172.5	157	
85.0	28	33	175.0	155	15
87.5	23		177.5	153	
90.0	22		180.0	153	



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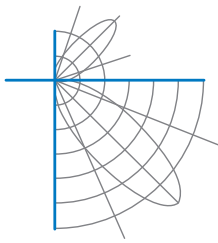
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	97	93	89	85	90	86	82	79	72	70	67	60	58	57	49	48	47	41
2	88	80	74	69	81	74	69	64	63	59	55	53	49	47	43	41	39	34
3	80	70	63	57	74	65	58	53	55	50	46	46	42	39	38	35	33	28
4	73	62	54	48	67	58	50	45	49	43	39	41	37	33	33	30	28	24
5	67	55	47	41	62	51	44	38	44	38	33	37	32	29	30	27	24	21
6	62	49	41	35	57	46	38	33	39	33	29	33	28	25	27	24	21	18
7	57	44	36	31	52	41	34	29	35	30	25	30	25	22	25	21	19	16
8	53	40	32	27	49	38	30	25	32	27	22	27	23	19	23	19	17	14
9	49	37	29	24	45	34	27	23	29	24	20	25	21	17	21	17	15	13
10	46	34	26	21	42	31	25	20	27	22	18	23	19	16	19	16	13	11

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	8.0	7.73	7.73
8.0	4.5	10.30	10.30
10.0	2.9	12.88	12.88
12.0	2.0	15.46	15.46
14.0	1.5	18.03	18.03
16.0	1.1	20.61	20.61



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Test Distance 9.5 m
Test Temperature 24.6 °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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