



Report of Test

LLIA000901-027

Catalog Number: PT2521L2/F11/D61/L411

Pendant mounted, formed steel canopy, formed white enamel steel frame, white interior "lumenate" diffuser with translucent white acrylic enclosure, exterior opaque "lumenate" shade, no enclosure.

One white LED module with clear patterned hemispherical lens below.

One ERP ESS030W-0620-42 LED driver

120.0Vac, 60.00Hz, 0.2082A, 24.46W, 0.977PF, 12.9%THD(i)



Performance Summary

Total Light Output	1154 lm
Luminaire Power	24.5 W
Luminous Efficacy	47.1 lm/W

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



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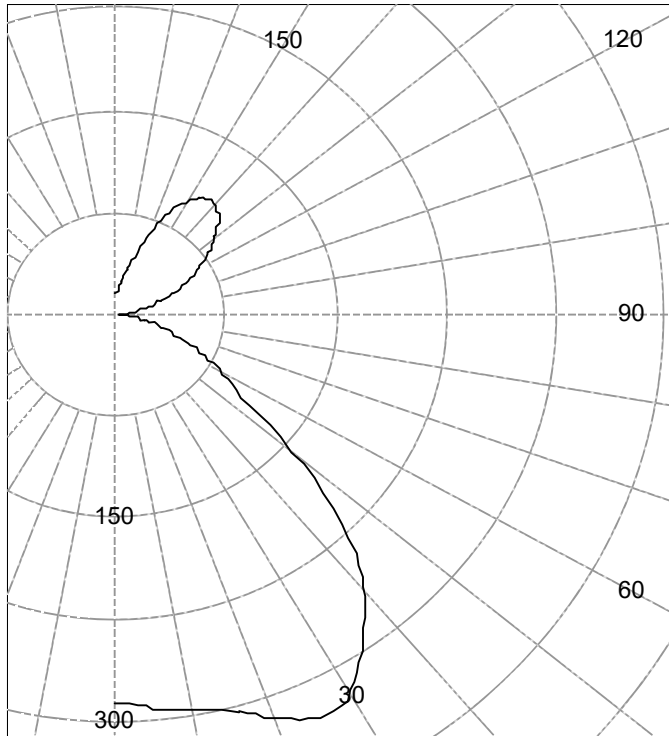
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Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	464
55.0	226
65.0	134
75.0	69
85.0	20

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	287		90	1	
5	291	28	95	6	7
10	296		100	14	
15	302	86	105	25	27
20	316		110	38	
25	328	150	115	50	50
30	321		120	63	
35	293	183	125	76	68
40	263		130	88	
45	218	165	135	99	76
50	156		140	105	
55	105	98	145	104	65
60	80		150	96	
65	60	60	155	80	37
70	43		160	60	
75	29	31	165	41	12
80	17		170	28	
85	8	8	175	20	2
90	1		180	16	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	265	N / A	22.9
0-40	448	N / A	38.8
0-60	712	N / A	61.7
0-90	811	N / A	70.3
40-90	363	N / A	31.5
60-90	99	N / A	8.6
90-180	343	N / A	29.7
0-180	1154	N / A	100.0

Total Light Output = 1,154 lm

Spacing Criterion: 0-180 1.5
Spacing Criterion: 90-270 1.5

Signed:

Authorized Signatory

Date of test 12-Jan-2018
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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	287		90.0	1	
2.5	288		92.5	2	
5.0	291	28	95.0	6	7
7.5	294		97.5	9	
10.0	296		100.0	14	
12.5	298		102.5	20	
15.0	302	86	105.0	25	27
17.5	309		107.5	31	
20.0	316		110.0	38	
22.5	322		112.5	44	
25.0	328	150	115.0	50	50
27.5	328		117.5	57	
30.0	321		120.0	63	
32.5	308		122.5	69	
35.0	293	183	125.0	76	68
37.5	278		127.5	82	
40.0	263		130.0	88	
42.5	244		132.5	93	
45.0	218	165	135.0	99	76
47.5	188		137.5	103	
50.0	156		140.0	105	
52.5	127		142.5	106	
55.0	105	98	145.0	104	65
57.5	92		147.5	101	
60.0	80		150.0	96	
62.5	70		152.5	89	
65.0	60	60	155.0	80	37
67.5	51		157.5	70	
70.0	43		160.0	60	
72.5	36		162.5	50	
75.0	29	31	165.0	41	12
77.5	23		167.5	34	
80.0	17		170.0	28	
82.5	12		172.5	24	
85.0	8	8	175.0	20	2
87.5	3		177.5	17	
90.0	1		180.0	16	



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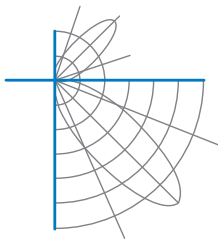
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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	103	99	95	92	98	94	91	88	84	82	80	76	74	72	67	66	65	61
2	95	88	82	77	89	83	78	74	75	71	67	67	64	62	60	58	56	52
3	87	78	71	65	82	74	68	62	67	62	58	60	56	53	54	51	49	45
4	80	69	62	56	75	66	59	54	60	54	50	54	50	46	49	45	42	39
5	74	62	54	48	70	59	52	47	54	48	43	49	44	40	44	40	37	35
6	68	56	48	42	64	54	46	41	49	43	38	44	39	36	40	36	33	31
7	63	51	43	37	60	49	41	36	44	38	34	41	36	32	37	33	30	27
8	59	46	39	33	56	44	37	32	41	35	30	37	32	28	34	30	27	24
9	55	42	35	30	52	41	34	29	37	31	27	34	29	26	31	27	24	22
10	51	39	32	27	49	37	31	26	34	29	25	32	27	23	29	25	22	20

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	9.04	9.04
8.0	4.5	12.05	12.05
10.0	2.9	15.06	15.06
12.0	2.0	18.08	18.08
14.0	1.5	21.09	21.09
16.0	1.1	24.10	24.10



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Test Distance 9.5 m
Test Temperature 25.1 °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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