



Report of Test

LLIA000901-028

Catalog Number: PT3225L2/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, 0.2096A, 24.59W, 0.977PF, 12.3%THD(i)



Performance Summary

Total Light Output	1210 lm
Luminaire Power	24.6 W
Luminous Efficacy	49.2 lm/W

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



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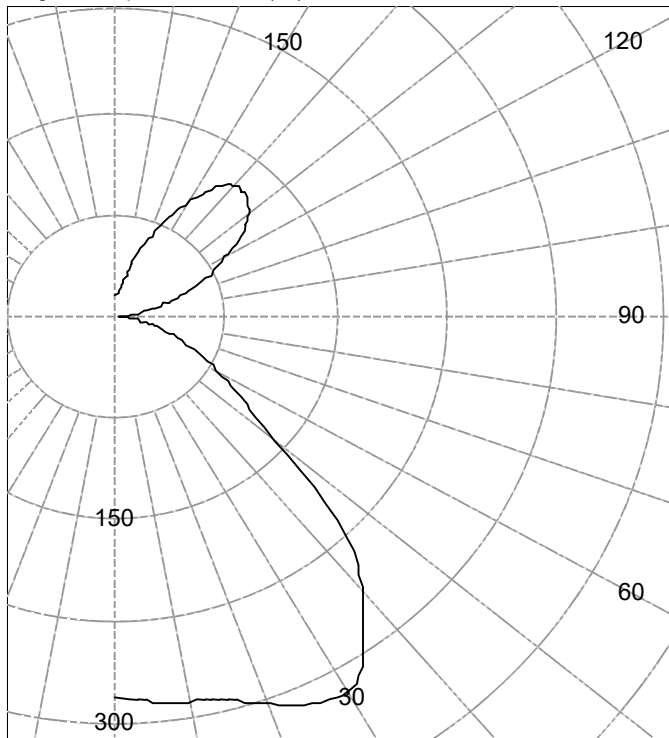
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Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	300
55.0	150
65.0	90
75.0	46
85.0	12

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	282		90	1	
5	285	27	95	6	8
10	289		100	19	
15	293	84	105	33	35
20	304		110	50	
25	315	146	115	67	67
30	319		120	86	
35	294	183	125	104	93
40	261		130	118	
45	213	160	135	126	96
50	142		140	126	
55	105	94	145	114	71
60	80		150	96	
65	59	59	155	76	36
70	42		160	57	
75	28	29	165	39	12
80	16		170	26	
85	6	7	175	19	2
90	1		180	15	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	257	N / A	21.2
0-40	440	N / A	36.4
0-60	695	N / A	57.4
0-90	790	N / A	65.3
40-90	350	N / A	28.9
60-90	96	N / A	7.9
90-180	420	N / A	34.7
0-180	1210	N / A	100.0

Total Light Output = 1,210 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	282		90.0	1	
2.5	283		92.5	2	
5.0	285	27	95.0	6	8
7.5	287		97.5	12	
10.0	289		100.0	19	
12.5	290		102.5	26	
15.0	293	84	105.0	33	35
17.5	299		107.5	41	
20.0	304		110.0	50	
22.5	310		112.5	58	
25.0	315	146	115.0	67	67
27.5	319		117.5	77	
30.0	319		120.0	86	
32.5	311		122.5	96	
35.0	294	183	125.0	104	93
37.5	277		127.5	112	
40.0	261		130.0	118	
42.5	242		132.5	123	
45.0	213	160	135.0	126	96
47.5	177		137.5	127	
50.0	142		140.0	126	
52.5	118		142.5	122	
55.0	105	94	145.0	114	71
57.5	92		147.5	105	
60.0	80		150.0	96	
62.5	69		152.5	86	
65.0	59	59	155.0	76	36
67.5	50		157.5	66	
70.0	42		160.0	57	
72.5	34		162.5	48	
75.0	28	29	165.0	39	12
77.5	21		167.5	32	
80.0	16		170.0	26	
82.5	11		172.5	22	
85.0	6	7	175.0	19	2
87.5	2		177.5	16	
90.0	1		180.0	15	



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	102	98	94	91	96	92	89	86	82	80	77	72	71	69	63	62	61	57
2	94	87	81	76	88	82	77	72	73	69	65	64	61	59	57	55	53	49
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42
4	79	68	61	55	74	65	58	53	58	53	48	52	47	44	46	43	40	37
5	73	61	53	47	68	58	51	46	52	46	42	47	42	39	42	38	35	32
6	67	55	47	42	63	53	45	40	47	41	37	42	38	34	38	34	31	29
7	62	50	42	37	59	48	40	35	43	37	33	39	34	30	35	31	28	25
8	58	46	38	33	54	43	36	31	39	33	29	36	31	27	32	28	25	23
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	29	25	23	21
10	50	38	31	26	48	37	30	25	33	28	24	30	25	22	27	23	20	19

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	7.8	9.12	9.12
8.0	4.4	12.16	12.16
10.0	2.8	15.20	15.20
12.0	2.0	18.24	18.24
14.0	1.4	21.28	21.28
16.0	1.1	24.32	24.32



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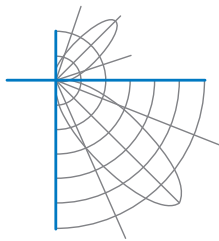
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Test Distance 9.5 m
Test Temperature 25.0 °C

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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