

IES INDOOR REPORT**PHOTOMETRIC FILENAME : WSDDH20LEDLX-140L35KEX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 3.2.11 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST] SP-00398_M-LX-140L-35K PRELIMINARY

[TEST DATE] Feb 25 2013

[UPDATE] Oct 26 2017

[MANUFAC] Spectrum Lighting

[LUMCAT] WSDDH20LEDLX-140L-35K-EX-MWI

[LUMINAIRE] Nominal 20" diam. x 7.1" H. RLM Shade

[OTHER] Reflector, inside finish: Matte White Powder Coat

[OTHER] No Lens, No enclosure

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] This PRELIMINARY report generated by Spectrum Lighting, scaled from WD2015LEDGV37W35KEX

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14122
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	111.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.66 ft (Diameter)
Luminous Width (90-270)	1.66 ft (Diameter)
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26041	26064	25937
55	25786	25927	25750
65	19747	19921	19678
75	3784	3602	3578
85	4574	4756	4845

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	5074.916	5074.916	5074.916	5074.916	5074.916
5	5093.580	5145.365	5143.157	5097.168	5122.491
10	5103.758	5078.780	5080.643	5047.454	5055.596
15	4977.764	4956.891	4950.716	5001.672	4970.105
20	4823.928	4863.465	4861.499	4845.249	4827.413
25	4726.500	4751.409	4700.625	4770.281	4763.346
30	4607.958	4570.353	4616.342	4591.433	4545.548
35	4299.528	4325.748	4321.781	4307.291	4314.053
40	3988.752	4021.320	4020.147	4024.218	4026.116
45	3689.120	3699.056	3692.294	3705.335	3674.423
50	3301.478	3344.879	3360.162	3338.634	3340.946
55	2963.136	2978.178	2979.351	2981.835	2959.031
60	2548.722	2569.284	2577.392	2566.904	2551.275
65	1671.974	1677.356	1686.671	1685.981	1666.143
70	295.458	289.455	288.627	293.319	285.384
75	196.202	191.958	186.783	185.093	185.541
80	151.455	149.213	149.144	149.420	150.282
85	79.868	81.075	83.042	80.696	84.594
90	25.289	21.666	21.080	23.529	19.389

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1891.63	N.A.	13.40
0-30	4078.31	N.A.	28.90
0-40	6779.91	N.A.	48.00
0-60	12283.88	N.A.	87.00
0-80	14030.65	N.A.	99.40
0-90	14121.99	N.A.	100.00
10-90	13635.36	N.A.	96.60
20-40	4888.29	N.A.	34.60
20-50	7738.09	N.A.	54.80
40-70	7034.97	N.A.	49.80
60-80	1746.77	N.A.	12.40
70-80	215.77	N.A.	1.50
80-90	91.34	N.A.	0.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	14121.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	486.63
10-20	1405.00
20-30	2186.68
30-40	2701.61
40-50	2849.8
50-60	2654.17
60-70	1531.00
70-80	215.77
80-90	91.34
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

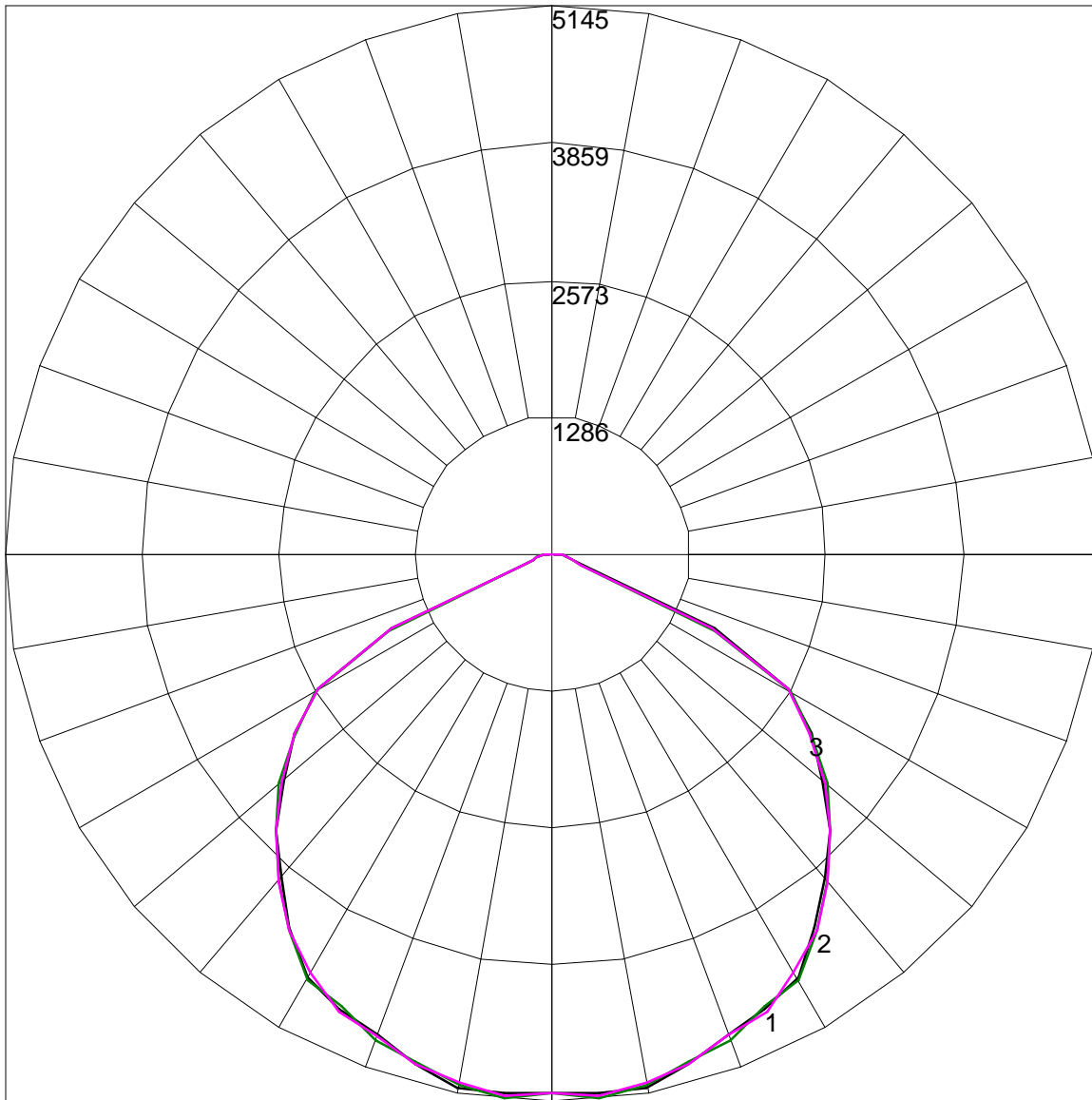
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 5145.365 Located At Horizontal Angle = 22.5, Vertical Angle = 5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)