

IES INDOOR REPORT**PHOTOMETRIC FILENAME : WSDDH20LEDLX-100L35KEX-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-100L-35K PRELIMINARY

[TEST DATE] Feb 25 2013

[UPDATE] Feb 20 2018

[MANUFAC] Spectrum Lighting

[LUMCAT] WSDDH20LEDLX-100L-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	9988
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	81.06
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	18417	18433	18344
55	18237	18337	18212
65	13966	14089	13917
75	2676	2548	2531
85	3235	3364	3426

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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	3589.216	3589.216	3589.216	3589.216	3589.216
5	3602.416	3639.040	3637.479	3604.954	3622.863
10	3609.614	3591.948	3593.266	3569.793	3575.552
15	3520.505	3505.743	3501.376	3537.414	3515.088
20	3411.706	3439.668	3438.277	3426.785	3414.170
25	3342.800	3360.417	3324.500	3373.764	3368.859
30	3258.962	3232.366	3264.891	3247.274	3214.822
35	3040.826	3059.370	3056.564	3046.316	3051.098
40	2821.030	2844.064	2843.234	2846.114	2847.456
45	2609.116	2616.144	2611.361	2620.584	2598.722
50	2334.958	2365.653	2376.462	2361.237	2362.872
55	2095.667	2106.306	2107.135	2108.892	2092.764
60	1802.574	1817.117	1822.851	1815.433	1804.380
65	1182.497	1186.304	1192.892	1192.404	1178.374
70	208.962	204.716	204.130	207.449	201.837
75	138.763	135.762	132.102	130.906	131.223
80	107.116	105.530	105.481	105.676	106.286
85	56.486	57.340	58.731	57.072	59.829
90	17.885	15.323	14.908	16.641	13.713

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1337.85	N.A.	13.40
0-30	2884.37	N.A.	28.90
0-40	4795.07	N.A.	48.00
0-60	8687.73	N.A.	87.00
0-80	9923.13	N.A.	99.40
0-90	9987.72	N.A.	100.00
10-90	9643.56	N.A.	96.60
20-40	3457.22	N.A.	34.60
20-50	5472.73	N.A.	54.80
40-70	4975.46	N.A.	49.80
60-80	1235.4	N.A.	12.40
70-80	152.60	N.A.	1.50
80-90	64.60	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	9987.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	344.17
10-20	993.68
20-30	1546.52
30-40	1910.7
40-50	2015.51
50-60	1877.15
60-70	1082.8
70-80	152.60
80-90	64.60
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

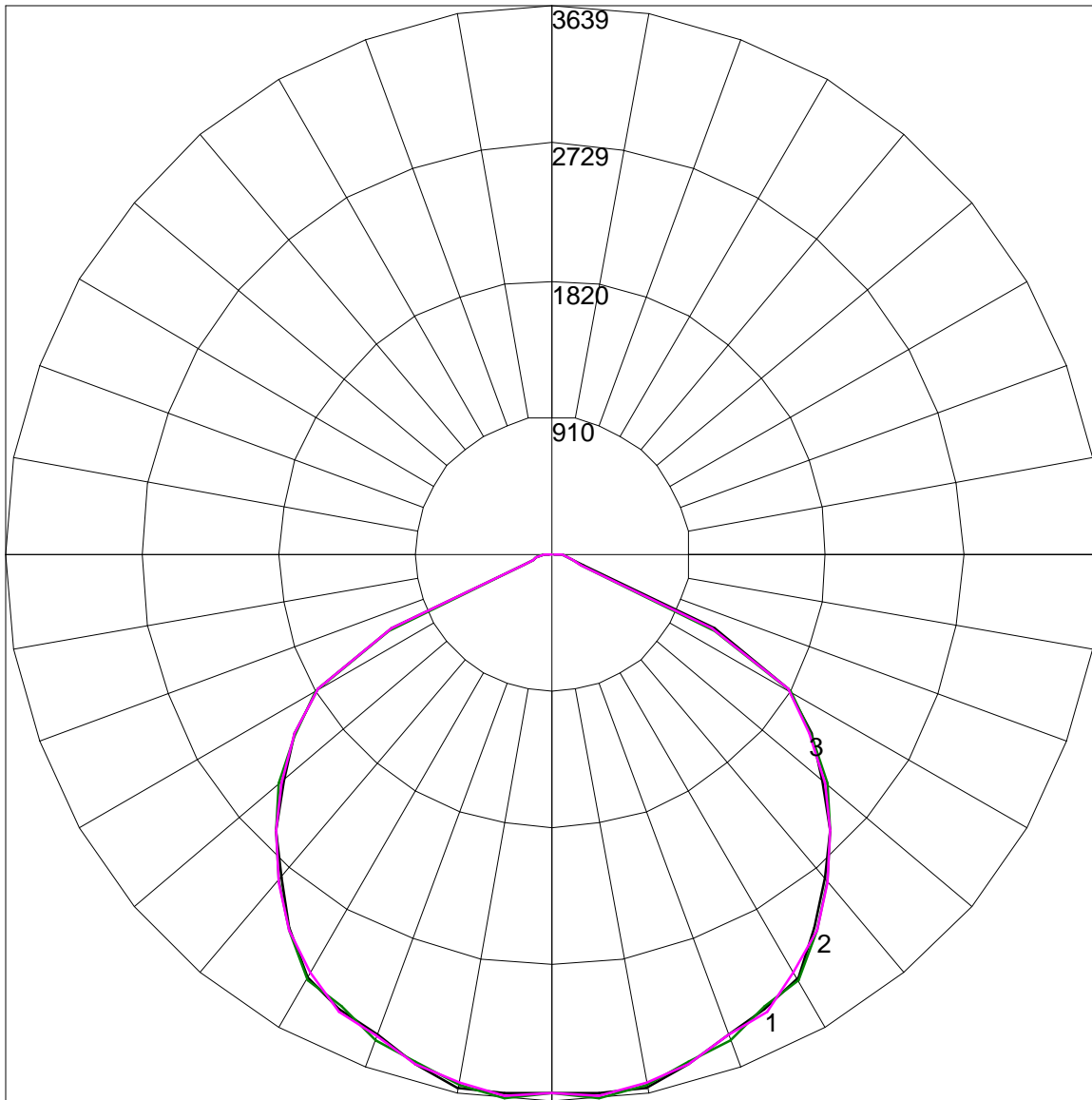
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3639.04 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)