

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : WSDDH20LEDLX-130L35KEX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST] SP-00398\_M-LX-130L-35K PRELIMINARY

[TEST DATE] Feb 25 2013

[UPDATE] Feb 20 2018

[MANUFAC] Spectrum Lighting

[LUMCAT] WSDDH20LEDLX-130L-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	13099
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	103.89
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WSDDH20LEDLX-130L35KEX-MWI.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24154	24175	24058
55	23917	24048	23884
65	18316	18477	18252
75	3510	3341	3319
85	4243	4411	4494

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : WSDDH20LEDLX-130L35KEX-MWI.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	4707.168	4707.168	4707.168	4707.168	4707.168
<b>5</b>	4724.480	4772.512	4770.464	4727.808	4751.296
<b>10</b>	4733.920	4710.752	4712.480	4681.696	4689.248
<b>15</b>	4617.056	4597.696	4591.968	4639.232	4609.952
<b>20</b>	4474.368	4511.040	4509.216	4494.144	4477.600
<b>25</b>	4384.000	4407.104	4360.000	4424.608	4418.176
<b>30</b>	4274.048	4239.168	4281.824	4258.720	4216.160
<b>35</b>	3987.968	4012.288	4008.608	3995.168	4001.440
<b>40</b>	3699.712	3729.920	3728.832	3732.608	3734.368
<b>45</b>	3421.792	3431.008	3424.736	3436.832	3408.160
<b>50</b>	3062.240	3102.496	3116.672	3096.704	3098.848
<b>55</b>	2748.416	2762.368	2763.456	2765.760	2744.608
<b>60</b>	2364.032	2383.104	2390.624	2380.896	2366.400
<b>65</b>	1550.816	1555.808	1564.448	1563.808	1545.408
<b>70</b>	274.048	268.480	267.712	272.064	264.704
<b>75</b>	181.984	178.048	173.248	171.680	172.096
<b>80</b>	140.480	138.400	138.336	138.592	139.392
<b>85</b>	74.080	75.200	77.024	74.848	78.464
<b>90</b>	23.456	20.096	19.552	21.824	17.984

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WSDDH20LEDLX-130L35KEX-MWI.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1754.55	N.A.	13.40
0-30	3782.78	N.A.	28.90
0-40	6288.62	N.A.	48.00
0-60	11393.75	N.A.	87.00
0-80	13013.94	N.A.	99.40
0-90	13098.65	N.A.	100.00
10-90	12647.29	N.A.	96.60
20-40	4534.06	N.A.	34.60
20-50	7177.35	N.A.	54.80
40-70	6525.19	N.A.	49.80
60-80	1620.19	N.A.	12.40
70-80	200.13	N.A.	1.50
80-90	84.72	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	13098.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	451.37
10-20	1303.19
20-30	2028.23
30-40	2505.84
40-50	2643.29
50-60	2461.84
60-70	1420.06
70-80	200.13
80-90	84.72
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

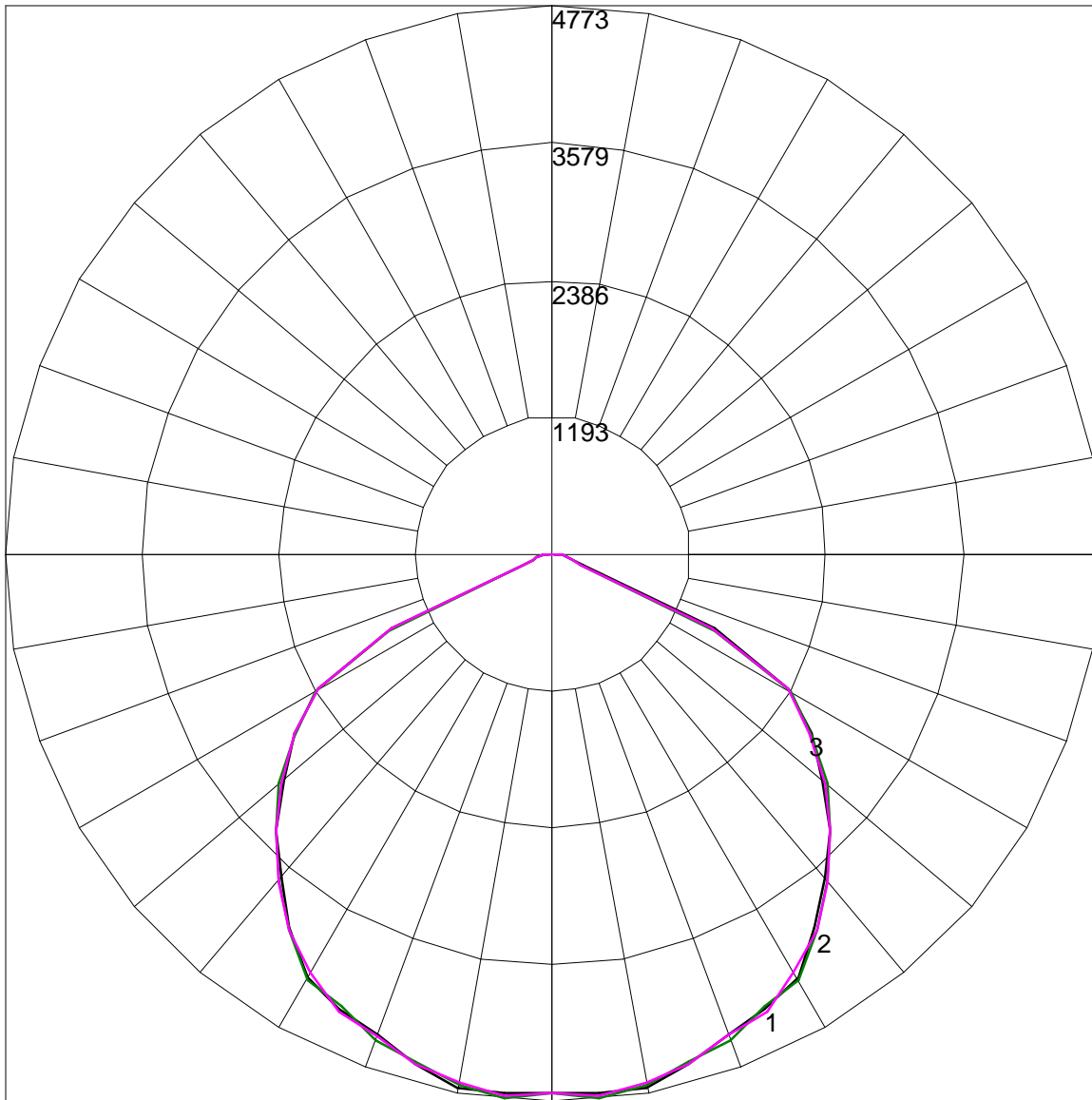
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WSDDH20LEDLX-130L35KEX-MWI.IES**

**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 = 4772.512 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)