

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730494

Luminaire Tested: **HBLED-LD5-15SE-W-CLI-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CLI-UNV-L840
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14639.0 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

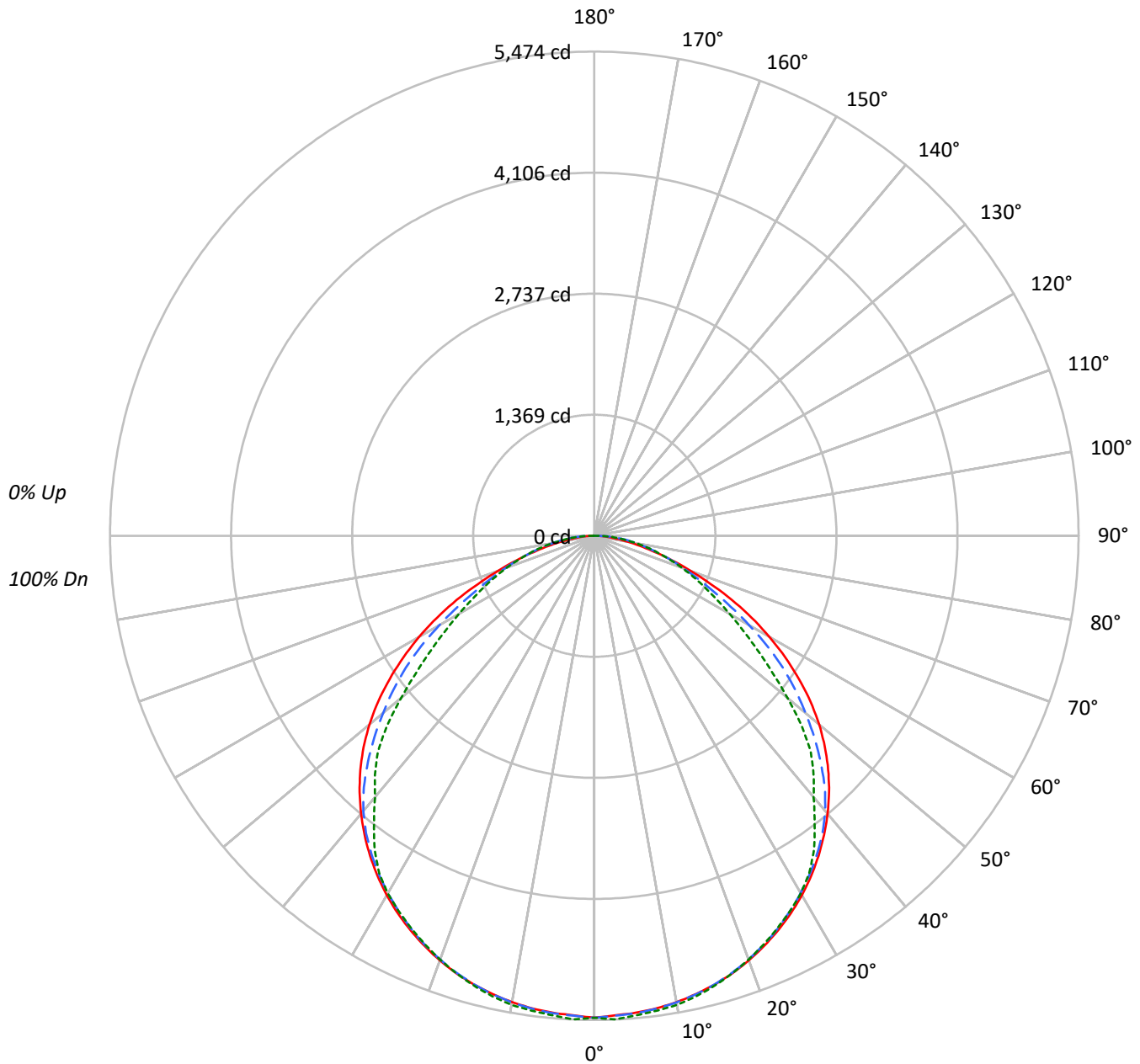
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	63	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8797	8797	8797
5°	8774	8780	8819
10°	8779	8783	8829
15°	8780	8779	8800
20°	8778	8757	8760
25°	8764	8732	8721
30°	8750	8697	8702
35°	8709	8655	8532
40°	8647	8559	8127
45°	8537	8264	7903
50°	8332	7824	7157
55°	7953	7317	6329
60°	7380	6529	5707
65°	6560	5653	5248
70°	5444	5052	4947
75°	4403	4623	4681
80°	3497	4422	4404
85°	2738	4750	4531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.7	3.5
10°-20°	1486.3	10.2
20°-30°	2266.4	15.5
30°-40°	2742.0	18.7
40°-50°	2777.4	19.0
50°-60°	2295.6	15.7
60°-70°	1516.2	10.4
70°-80°	790.6	5.4
80°-90°	247.8	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4269.4	29.2
0°-40°	7011.4	47.9
0°-60°	12084.4	82.5
0°-90°	14639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5449	5449	5449	5449	5449	
5°	5413	5446	5417	5441	5442	515
15°	5252	5279	5252	5268	5264	1483
25°	4920	4939	4901	4914	4895	2268
35°	4418	4424	4391	4385	4329	2764
45°	3739	3729	3619	3507	3461	2879
55°	2825	2783	2599	2347	2248	2518
65°	1717	1667	1480	1383	1374	1696
75°	706	718	741	751	750	769
85°	148	190	256	254	245	179
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5448.7	5448.7	5448.7	5448.7	5448.7
2.5°	5425.8	5457.9	5431.0	5454.6	5473.6
5°	5413.4	5446.1	5417.3	5440.9	5441.5
7.5°	5389.2	5421.9	5392.4	5416.0	5415.3
10°	5354.5	5385.3	5357.1	5385.3	5385.3
12.5°	5307.4	5337.5	5310.1	5336.2	5332.3
15°	5252.5	5279.3	5251.9	5268.2	5264.3
17.5°	5187.7	5212.0	5181.2	5194.9	5187.1
20°	5108.6	5130.8	5096.8	5114.5	5098.1
22.5°	5019.6	5040.5	5005.9	5019.0	5000.6
25°	4919.6	4939.2	4901.3	4913.7	4895.4
27.5°	4811.6	4829.3	4786.7	4801.8	4787.4
30°	4693.2	4701.7	4665.1	4684.7	4667.7
32.5°	4561.1	4566.3	4534.3	4551.9	4523.2
35°	4418.5	4424.4	4391.0	4385.1	4328.9
37.5°	4266.1	4268.7	4237.3	4184.3	4091.4
40°	4102.6	4101.3	4060.7	3938.4	3856.0
42.5°	3927.9	3927.3	3856.0	3716.6	3669.6
45°	3738.9	3729.1	3619.2	3506.7	3460.9
47.5°	3536.1	3525.6	3371.9	3282.3	3178.3
50°	3317.0	3298.7	3114.8	2992.5	2849.3
52.5°	3080.9	3052.7	2865.6	2668.1	2532.7
55°	2825.1	2783.2	2599.4	2347.0	2248.2
57.5°	2558.9	2496.7	2318.2	2072.2	1991.8
60°	2285.5	2216.1	2021.8	1819.8	1767.4
62.5°	2004.2	1935.5	1737.3	1584.9	1556.1
65°	1717.0	1667.3	1479.6	1383.4	1373.7
67.5°	1422.7	1405.0	1261.8	1212.7	1208.8
70°	1153.2	1149.9	1070.1	1045.2	1047.9
72.5°	921.7	917.7	906.0	893.5	894.2
75°	705.8	718.2	741.1	750.9	750.3
77.5°	526.6	552.1	600.5	620.1	616.8
80°	376.1	414.1	475.6	493.9	473.6
82.5°	250.5	290.4	363.0	365.6	349.3
85°	147.8	190.3	256.4	254.5	244.6
87.5°	73.2	114.5	153.7	147.1	140.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)