

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: P730485

Luminaire Tested: **HBLED-LD5-15SE-W-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CL-WG-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14643.0 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

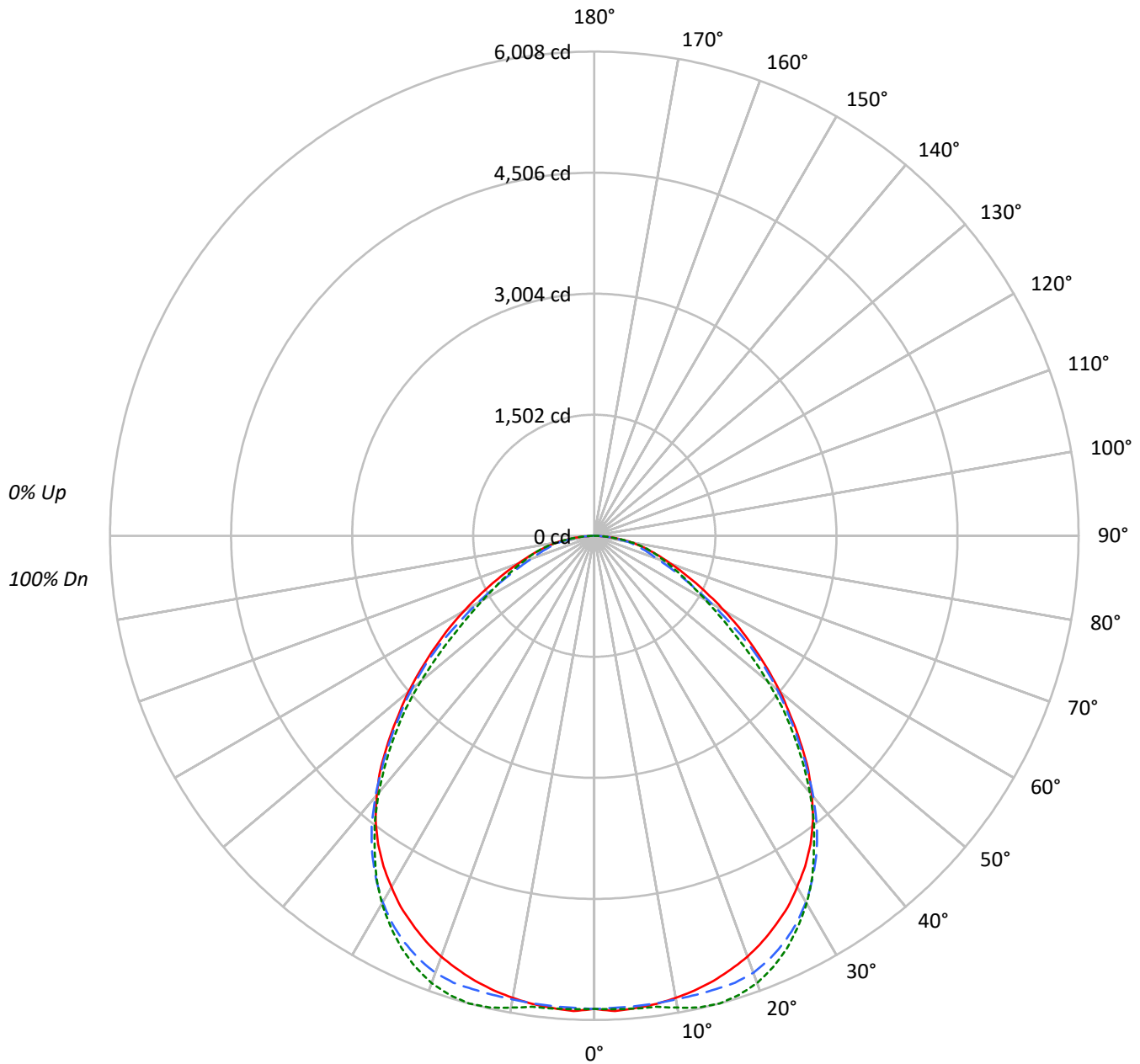
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	101	93	87	82	98	91	86	81		88	83	79		85	81	77		82	78	75
3	92	83	75	69	90	81	74	68		78	72	67		76	70	66		73	69	65
4	85	74	66	59	83	73	65	59		70	64	58		68	62	57		66	61	57
5	79	67	58	52	77	65	57	52		63	56	51		61	55	50		60	54	50
6	73	60	52	46	71	59	51	45		58	50	45		56	50	45		54	49	44
7	68	55	46	41	66	54	46	40		53	45	40		51	45	40		50	44	40
8	63	50	42	36	62	50	42	36		48	41	36		47	41	36		46	40	36
9	59	46	38	33	58	46	38	33		45	38	33		43	37	33		42	37	32
10	56	43	35	30	54	42	35	30		41	34	30		40	34	30		39	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9480	9480	9480
5°	9536	9496	9543
10°	9544	9576	9748
15°	9556	9736	10042
20°	9550	9914	10146
25°	9491	9923	10069
30°	9382	9792	9823
35°	9215	9474	9361
40°	8851	8905	8765
45°	8247	8161	7995
50°	7551	7429	7049
55°	6782	6531	5960
60°	6015	5404	5145
65°	5300	4490	4669
70°	4740	3896	4447
75°	4440	3789	4497
80°	4323	3830	4281
85°	3451	3031	3142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.3	3.8
10°-20°	1647.5	11.3
20°-30°	2534.5	17.3
30°-40°	2957.9	20.2
40°-50°	2748.6	18.8
50°-60°	2037.4	13.9
60°-70°	1245.5	8.5
70°-80°	709.4	4.8
80°-90°	202.9	1.4
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°	4741.3	32.4
0°-40°	7699.1	52.6
0°-60°	12485.2	85.3
0°-90°	14643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5871	5871	5871	5871	5871	
5°	5884	5856	5859	5855	5888	560
15°	5717	5714	5824	5940	6008	1614
25°	5328	5369	5570	5617	5652	2454
35°	4675	4711	4807	4767	4749	2913
45°	3612	3633	3574	3518	3501	2783
55°	2409	2349	2320	2155	2117	2162
65°	1387	1260	1175	1207	1222	1388
75°	712	668	607	692	721	762
85°	186	182	164	170	170	215
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5871.4	5871.4	5871.4	5871.4	5871.4
2.5°	5903.2	5869.9	5863.8	5850.2	5880.5
5°	5883.6	5856.3	5859.3	5854.8	5888.1
7.5°	5860.8	5841.1	5853.2	5851.7	5895.7
10°	5821.5	5810.8	5841.1	5874.5	5945.6
12.5°	5777.5	5766.9	5833.6	5918.3	5995.6
15°	5717.0	5713.9	5824.5	5939.6	6007.7
17.5°	5641.2	5645.8	5813.8	5912.3	5972.9
20°	5557.9	5565.5	5770.0	5850.2	5904.8
22.5°	5450.4	5476.2	5685.1	5751.8	5794.2
25°	5327.7	5368.6	5570.0	5617.0	5651.8
27.5°	5196.0	5236.9	5427.7	5451.9	5471.6
30°	5032.4	5090.0	5252.0	5255.1	5268.7
32.5°	4865.8	4917.3	5041.5	5027.9	5030.9
35°	4675.0	4711.4	4806.8	4767.4	4749.2
37.5°	4455.5	4475.1	4535.7	4476.7	4473.6
40°	4199.5	4225.2	4225.2	4143.5	4158.6
42.5°	3926.9	3936.0	3898.2	3820.9	3833.0
45°	3611.9	3633.1	3574.0	3518.0	3501.4
47.5°	3299.9	3321.1	3259.0	3193.9	3165.2
50°	3006.1	2995.5	2957.7	2847.1	2806.2
52.5°	2701.7	2668.4	2653.3	2491.3	2444.3
55°	2409.4	2348.9	2320.1	2155.0	2117.1
57.5°	2138.3	2029.4	1974.8	1846.1	1830.9
60°	1862.8	1740.1	1673.4	1590.1	1593.2
62.5°	1612.9	1484.1	1403.9	1379.7	1390.2
65°	1387.2	1260.0	1175.2	1207.0	1222.1
67.5°	1182.8	1078.3	982.9	1057.1	1072.2
70°	1004.1	920.8	825.4	934.4	942.0
72.5°	855.6	787.5	707.2	810.2	826.9
75°	711.8	667.9	607.3	692.1	720.9
77.5°	586.1	551.3	516.4	567.9	599.7
80°	464.9	430.1	411.9	439.1	460.4
82.5°	328.6	305.9	287.7	307.4	318.1
85°	186.3	181.7	163.6	169.6	169.6
87.5°	42.4	48.4	54.5	50.0	42.4
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)