

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: P730491

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730491
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-L740
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: 15336.0 lumens
Efficiency: N/A
Efficacy: 163.1 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

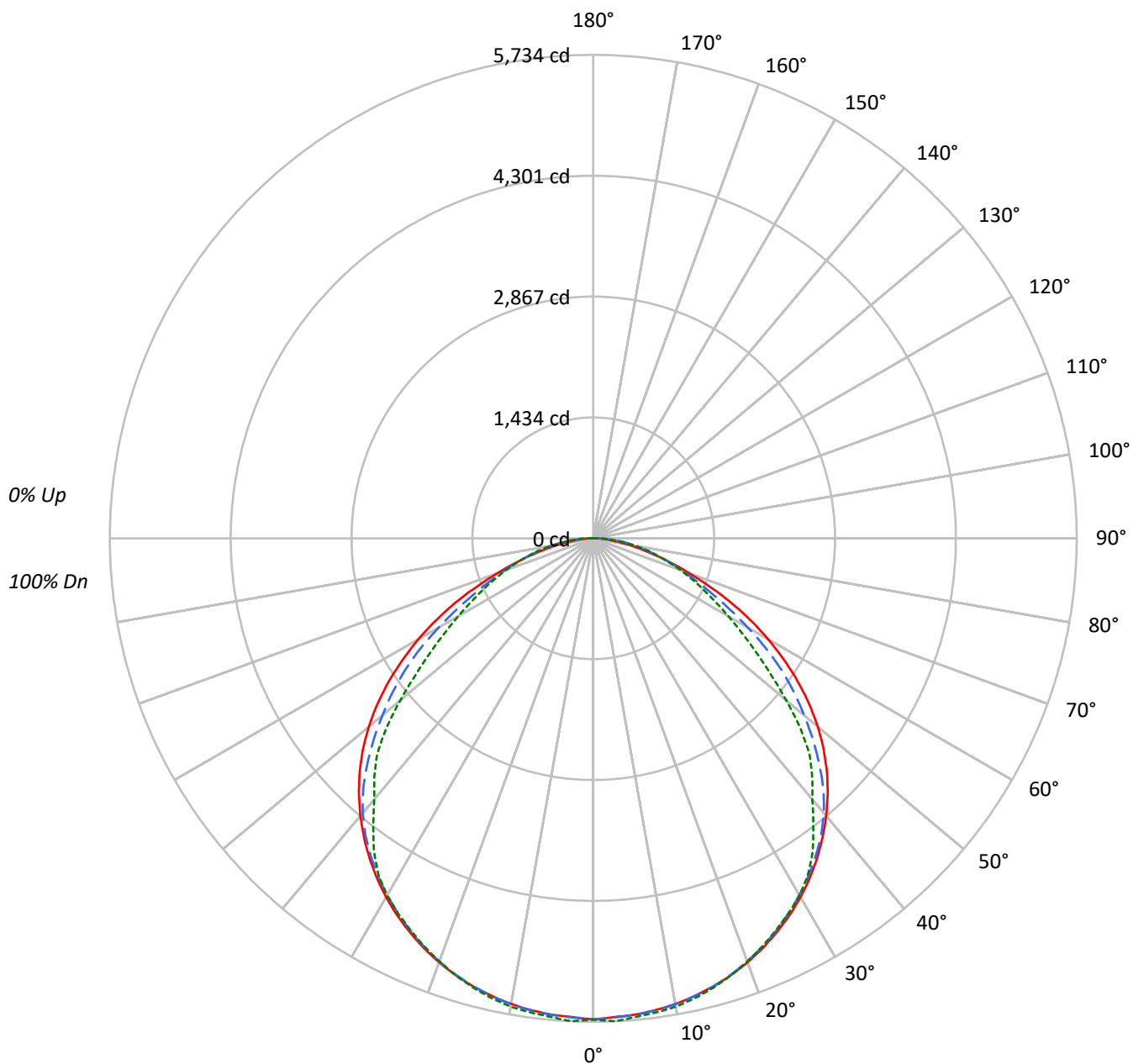
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9216	9216	9216
5°	9191	9198	9239
10°	9197	9201	9250
15°	9198	9197	9218
20°	9196	9174	9177
25°	9181	9147	9136
30°	9167	9112	9117
35°	9124	9067	8939
40°	9059	8966	8514
45°	8944	8657	8279
50°	8728	8197	7498
55°	8331	7666	6630
60°	7732	6840	5979
65°	6872	5922	5498
70°	5703	5292	5182
75°	4613	4843	4903
80°	3663	4632	4613
85°	2868	4976	4748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.3	3.5
10°-20°	1557.1	10.2
20°-30°	2374.3	15.5
30°-40°	2872.5	18.7
40°-50°	2909.6	19.0
50°-60°	2404.9	15.7
60°-70°	1588.4	10.4
70°-80°	828.2	5.4
80°-90°	259.6	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°	4472.7	29.2
0°-40°	7345.2	47.9
0°-60°	12659.7	82.5
0°-90°	15336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5708	5708	5708	5708	5708	
5°	5671	5705	5675	5700	5701	539
15°	5503	5531	5502	5519	5515	1554
25°	5154	5174	5135	5148	5128	2376
35°	4629	4635	4600	4594	4535	2895
45°	3917	3907	3792	3674	3626	3016
55°	2960	2916	2723	2459	2355	2638
65°	1799	1747	1550	1449	1439	1777
75°	739	752	776	787	786	805
85°	155	199	269	267	256	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5708.1	5708.1	5708.1	5708.1	5708.1
2.5°	5684.2	5717.7	5689.6	5714.3	5734.2
5°	5671.1	5705.4	5675.2	5699.9	5700.6
7.5°	5645.8	5680.1	5649.2	5673.9	5673.2
10°	5609.4	5641.7	5612.2	5641.7	5641.7
12.5°	5560.2	5591.6	5562.9	5590.3	5586.1
15°	5502.6	5530.7	5501.9	5519.0	5514.9
17.5°	5434.7	5460.1	5427.9	5442.2	5434.1
20°	5351.8	5375.1	5339.5	5358.0	5340.8
22.5°	5258.6	5280.5	5244.2	5258.0	5238.7
25°	5153.8	5174.4	5134.6	5147.6	5128.4
27.5°	5040.7	5059.2	5014.6	5030.5	5015.3
30°	4916.7	4925.6	4887.2	4907.8	4890.0
32.5°	4778.3	4783.8	4750.1	4768.6	4738.5
35°	4628.9	4635.0	4600.1	4593.9	4535.0
37.5°	4469.2	4472.0	4439.1	4383.5	4286.2
40°	4297.9	4296.6	4254.1	4125.9	4039.5
42.5°	4114.9	4114.3	4039.5	3893.6	3844.3
45°	3916.9	3906.6	3791.5	3673.6	3625.6
47.5°	3704.5	3693.5	3532.5	3438.6	3329.6
50°	3474.9	3455.7	3263.2	3135.0	2985.0
52.5°	3227.5	3198.0	3002.1	2795.1	2653.3
55°	2959.6	2915.7	2723.2	2458.7	2355.2
57.5°	2680.7	2615.6	2428.5	2170.9	2086.6
60°	2394.3	2321.6	2118.1	1906.4	1851.5
62.5°	2099.6	2027.7	1820.0	1660.4	1630.2
65°	1798.8	1746.7	1550.0	1449.3	1439.1
67.5°	1490.4	1471.9	1321.8	1270.5	1266.3
70°	1208.1	1204.7	1121.1	1095.0	1097.8
72.5°	965.5	961.4	949.1	936.0	936.7
75°	739.4	752.4	776.4	786.6	786.0
77.5°	551.6	578.4	629.0	649.6	646.2
80°	394.0	433.8	498.2	517.4	496.1
82.5°	262.4	304.2	380.3	383.0	365.9
85°	154.8	199.4	268.6	266.6	256.3
87.5°	76.7	119.9	161.0	154.2	147.3
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)