

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: P730497

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26703)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-FLI-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14659.0 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

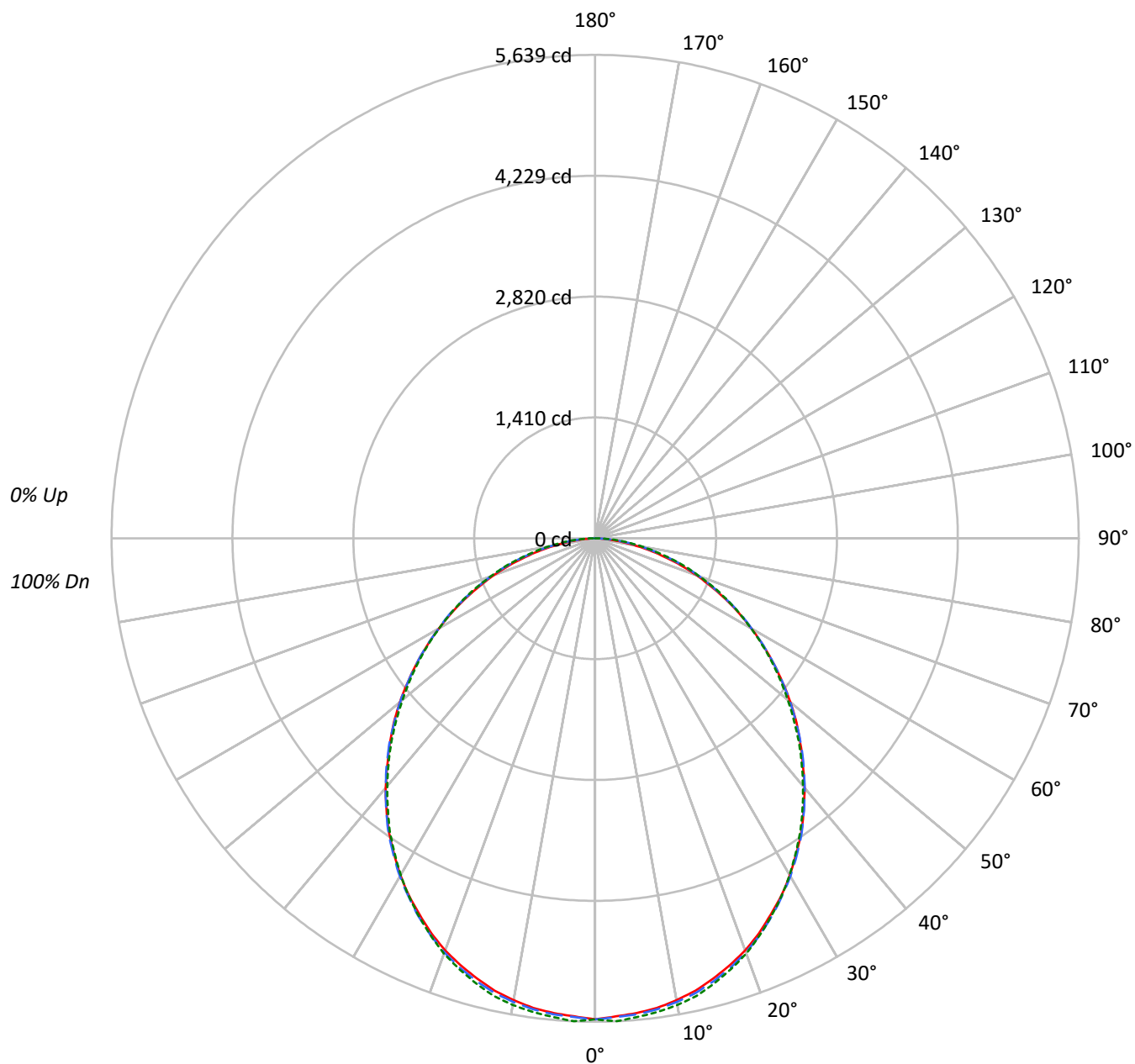
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51		
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9061	9061	9061
5°	9009	9035	9086
10°	8968	9005	9063
15°	8890	8938	8981
20°	8789	8831	8857
25°	8626	8675	8663
30°	8467	8490	8455
35°	8258	8279	8226
40°	8009	8009	7948
45°	7729	7750	7671
50°	7464	7451	7358
55°	7141	7142	7077
60°	6795	6803	6776
65°	6404	6468	6484
70°	5915	6077	6084
75°	5227	5566	5653
80°	4287	4874	5150
85°	2975	4092	4628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.7	3.6
10°-20°	1509.9	10.3
20°-30°	2243.7	15.3
30°-40°	2623.5	17.9
40°-50°	2615.7	17.8
50°-60°	2269.5	15.5
60°-70°	1676.3	11.4
70°-80°	938.5	6.4
80°-90°	250.4	1.7
90°-100°	0.8	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°	4284.3	29.2
0°-40°	6907.9	47.1
0°-60°	11793.0	80.4
0°-90°	14658.3	100.0
90°-120°	0.8	0.0
90°-150°	0.8	0.0
90°-180°	1.0	0.0
0°-180°	14659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5612	5612	5612	5612	5612	
5°	5559	5594	5574	5599	5606	528
15°	5318	5355	5347	5373	5373	1500
25°	4842	4881	4870	4880	4862	2232
35°	4189	4226	4200	4199	4173	2617
45°	3385	3421	3394	3380	3360	2613
55°	2537	2554	2537	2533	2514	2268
65°	1676	1693	1693	1702	1697	1658
75°	838	863	892	899	906	892
85°	161	194	221	240	250	195
90°	0	4	4	10	9	7
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5611.9	5611.9	5611.9	5611.9	5611.9
2.5°	5581.2	5614.4	5591.2	5613.3	5639.0
5°	5558.7	5593.7	5574.4	5599.0	5606.2
7.5°	5525.9	5559.8	5541.2	5565.9	5573.4
10°	5470.2	5507.0	5492.3	5520.2	5528.0
12.5°	5405.3	5439.9	5430.2	5462.7	5468.1
15°	5318.2	5355.3	5347.1	5372.8	5373.1
17.5°	5221.8	5256.8	5250.7	5270.7	5270.0
20°	5115.1	5152.6	5139.8	5161.5	5154.7
22.5°	4988.8	5028.8	5012.7	5030.9	5013.8
25°	4842.1	4881.0	4869.6	4880.3	4862.5
27.5°	4700.1	4735.8	4712.2	4725.0	4706.1
30°	4541.6	4571.9	4553.8	4558.0	4535.2
32.5°	4363.5	4399.6	4377.4	4376.7	4352.5
35°	4189.4	4226.1	4200.1	4199.3	4173.3
37.5°	3996.7	4030.9	4000.2	4002.0	3971.7
40°	3800.0	3829.7	3800.0	3798.6	3770.8
42.5°	3586.6	3625.9	3598.8	3601.9	3564.9
45°	3385.0	3421.0	3394.3	3380.3	3359.6
47.5°	3184.1	3199.8	3177.6	3174.0	3144.8
50°	2971.4	2983.1	2966.3	2962.1	2929.3
52.5°	2751.5	2771.9	2750.4	2744.7	2723.0
55°	2536.7	2554.1	2537.0	2532.7	2514.2
57.5°	2320.4	2343.3	2325.8	2321.5	2306.5
60°	2104.2	2110.9	2106.7	2113.1	2098.5
62.5°	1889.3	1905.0	1910.0	1908.2	1896.8
65°	1676.2	1692.7	1693.0	1701.6	1697.3
67.5°	1458.2	1479.6	1485.7	1494.6	1498.5
70°	1253.0	1269.4	1287.3	1292.6	1288.7
72.5°	1046.3	1072.8	1092.8	1097.4	1114.2
75°	837.9	862.9	892.2	898.6	906.1
77.5°	644.5	677.7	704.1	712.7	722.0
80°	461.1	497.8	524.2	536.0	553.9
82.5°	302.6	340.1	366.9	378.6	400.4
85°	160.6	194.2	220.9	240.5	249.8
87.5°	47.5	76.0	91.3	97.0	105.3
90°	0.0	3.6	4.3	9.6	8.9
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



(END OF REPORT)