

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: P730492

Luminaire Tested: **HBLED-LD5-15SE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730492
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-L750
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: 15705.0 lumens
Efficiency: N/A
Efficacy: 167.1 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

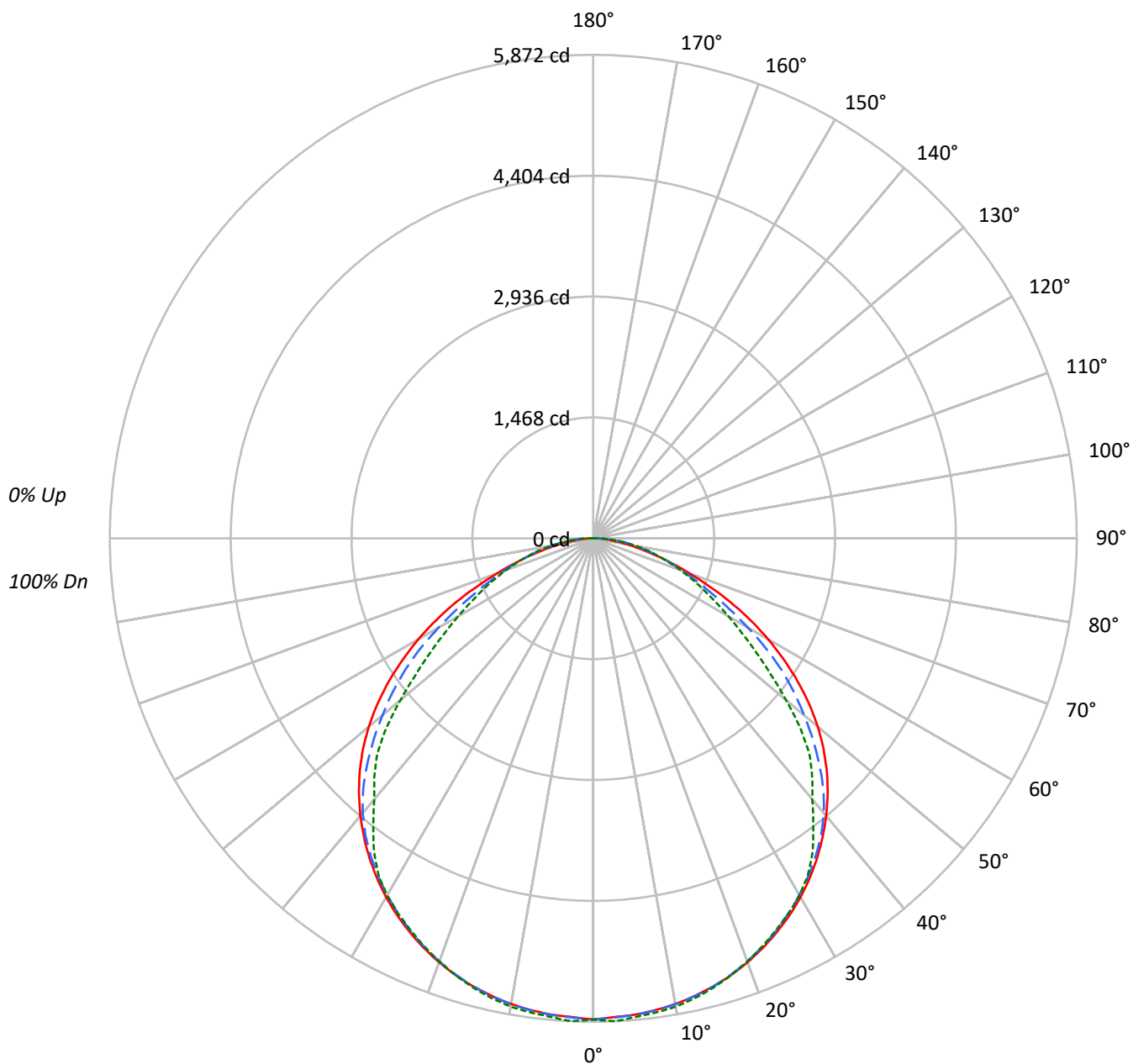
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9438	9438	9438
5°	9413	9420	9462
10°	9418	9423	9472
15°	9419	9418	9440
20°	9417	9395	9397
25°	9402	9367	9356
30°	9387	9331	9336
35°	9343	9285	9154
40°	9277	9182	8719
45°	9159	8866	8478
50°	8938	8394	7678
55°	8532	7850	6789
60°	7918	7004	6123
65°	7038	6064	5630
70°	5840	5419	5307
75°	4724	4960	5021
80°	3752	4744	4724
85°	2938	5096	4861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.4	3.5
10°-20°	1594.6	10.2
20°-30°	2431.4	15.5
30°-40°	2941.7	18.7
40°-50°	2979.6	19.0
50°-60°	2462.7	15.7
60°-70°	1626.6	10.4
70°-80°	848.2	5.4
80°-90°	265.9	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°	4580.3	29.2
0°-40°	7522.0	47.9
0°-60°	12964.4	82.5
0°-90°	15705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5846	5846	5846	5846	5846	
5°	5808	5843	5812	5837	5838	552
15°	5635	5664	5634	5652	5648	1591
25°	5278	5299	5258	5272	5252	2434
35°	4740	4747	4711	4704	4644	2965
45°	4011	4001	3883	3762	3713	3089
55°	3031	2986	2789	2518	2412	2701
65°	1842	1789	1587	1484	1474	1819
75°	757	770	795	806	805	825
85°	159	204	275	273	262	193
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5845.5	5845.5	5845.5	5845.5	5845.5
2.5°	5821.0	5855.3	5826.5	5851.8	5872.1
5°	5807.6	5842.7	5811.8	5837.1	5837.8
7.5°	5781.7	5816.7	5785.1	5810.4	5809.7
10°	5744.4	5777.4	5747.2	5777.4	5777.4
12.5°	5693.9	5726.2	5696.7	5724.8	5720.5
15°	5635.0	5663.7	5634.3	5651.8	5647.6
17.5°	5565.5	5591.5	5558.5	5573.2	5564.8
20°	5480.6	5504.5	5468.0	5486.9	5469.3
22.5°	5385.1	5407.6	5370.4	5384.5	5364.8
25°	5277.8	5298.9	5258.2	5271.5	5251.8
27.5°	5162.0	5180.9	5135.3	5151.5	5136.0
30°	5035.0	5044.1	5004.8	5025.9	5007.6
32.5°	4893.2	4898.9	4864.4	4883.4	4852.5
35°	4740.2	4746.6	4710.8	4704.5	4644.1
37.5°	4576.7	4579.6	4545.9	4489.0	4389.4
40°	4401.3	4399.9	4356.4	4225.2	4136.7
42.5°	4213.9	4213.3	4136.7	3987.3	3936.8
45°	4011.1	4000.6	3882.7	3762.0	3712.9
47.5°	3793.6	3782.4	3617.5	3521.4	3409.8
50°	3558.5	3538.9	3341.7	3210.4	3056.8
52.5°	3305.2	3275.0	3074.3	2862.4	2717.1
55°	3030.8	2985.9	2788.7	2517.9	2411.9
57.5°	2745.2	2678.5	2487.0	2223.1	2136.8
60°	2451.9	2377.5	2169.1	1952.3	1896.1
62.5°	2150.1	2076.5	1863.8	1700.3	1669.4
65°	1842.1	1788.7	1587.3	1484.2	1473.7
67.5°	1526.3	1507.3	1353.6	1301.0	1296.8
70°	1237.2	1233.7	1148.0	1121.4	1124.2
72.5°	988.8	984.5	971.9	958.6	959.3
75°	757.2	770.5	795.1	805.6	804.9
77.5°	564.9	592.3	644.2	665.2	661.7
80°	403.5	444.2	510.2	529.8	508.1
82.5°	268.8	311.6	389.4	392.3	374.7
85°	158.6	204.2	275.1	273.0	262.4
87.5°	78.6	122.8	164.9	157.9	150.9
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)