

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: P730509

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-WG-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15634.0 lumens
Efficiency: N/A
Efficacy: 166.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

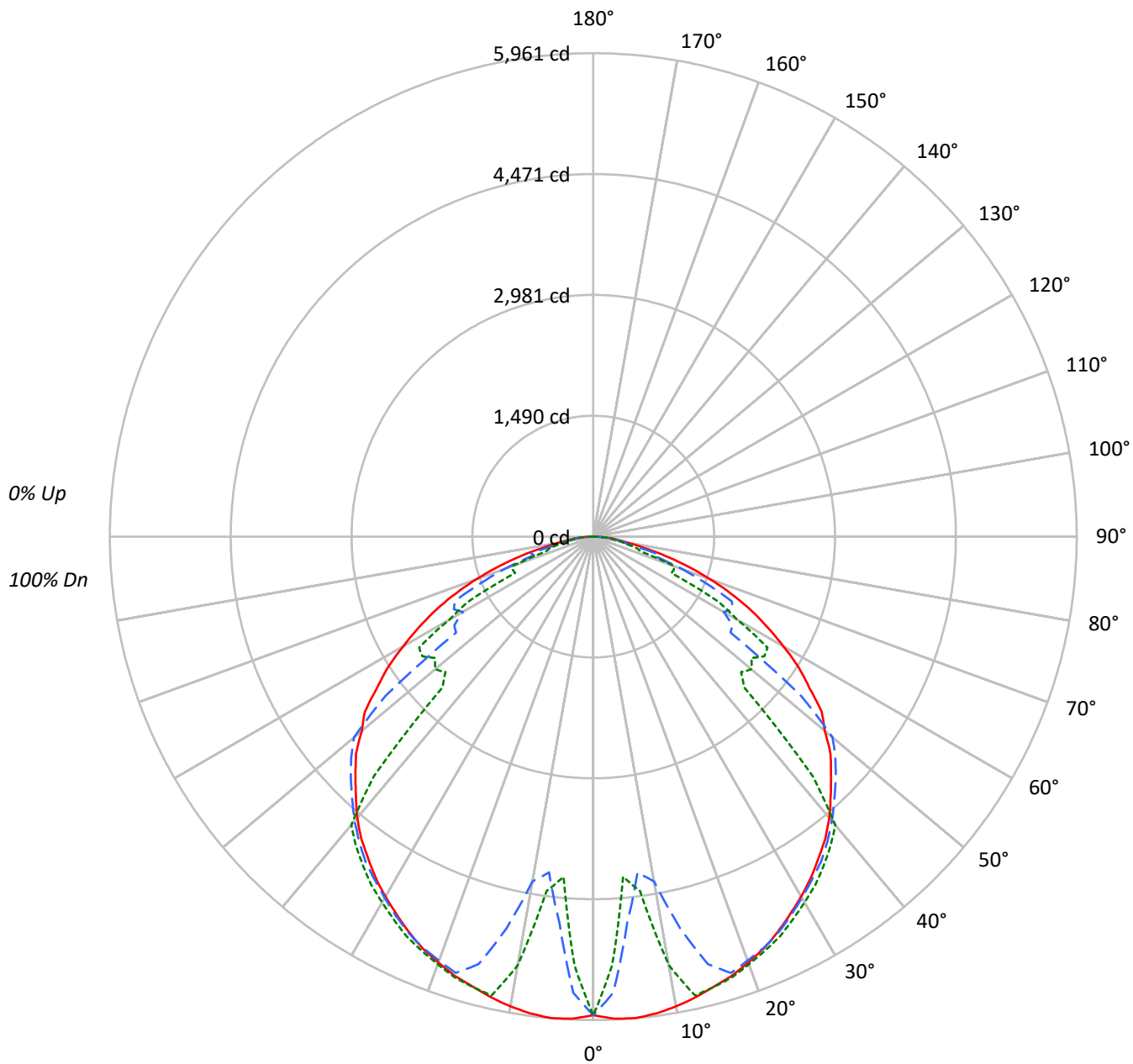
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	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	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9528	9528	9528
5°	9661	7761	6825
10°	9644	7078	8803
15°	9601	9122	9610
20°	9601	9558	9643
25°	9584	9605	9694
30°	9556	9588	9712
35°	9541	9647	9760
40°	9542	9646	9785
45°	9468	9653	5999
50°	9360	9672	6393
55°	9163	5816	7246
60°	8741	5995	6635
65°	8190	7198	4060
70°	7232	5453	4977
75°	5762	4957	3451
80°	3969	3583	2966
85°	3803	3307	3138



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.9	3.0
10°-20°	1478.4	9.5
20°-30°	2432.3	15.6
30°-40°	3058.3	19.6
40°-50°	2999.4	19.2
50°-60°	2485.1	15.9
60°-70°	1752.8	11.2
70°-80°	764.7	4.9
80°-90°	191.1	1.2
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°	4382.6	28.0
0°-40°	7440.8	47.6
0°-60°	12925.3	82.7
0°-90°	15634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5901	5901	5901	5901	5901	
5°	5961	5548	4788	4342	4211	566
15°	5744	3989	5458	5767	5749	1624
25°	5380	4923	5392	5428	5441	2480
35°	4841	4838	4894	4927	4952	3033
45°	4146	4159	4228	3744	2627	3201
55°	3255	3362	2066	2349	2574	2912
65°	2144	2270	1884	1449	1063	2108
75°	924	905	795	519	553	991
85°	205	183	178	171	169	213
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5901.3	5901.3	5901.3	5901.3	5901.3
2.5°	5950.0	5826.5	5630.4	5383.4	5295.9
5°	5960.6	5547.8	4788.5	4341.9	4211.3
7.5°	5930.3	5041.8	4174.6	4268.4	4406.8
10°	5882.3	4597.3	4317.2	5079.2	5369.3
12.5°	5820.9	4202.1	4945.8	5737.6	5795.4
15°	5743.9	3989.0	5457.5	5766.6	5748.9
17.5°	5679.0	4113.9	5640.9	5708.7	5696.0
20°	5588.0	4363.0	5562.6	5616.9	5612.0
22.5°	5496.3	4657.9	5488.5	5527.4	5527.4
25°	5379.9	4922.6	5391.8	5427.9	5441.3
27.5°	5252.1	5075.0	5271.2	5300.8	5324.8
30°	5125.8	5096.9	5142.8	5180.9	5209.1
32.5°	4992.5	4981.2	5017.2	5057.4	5093.3
35°	4840.7	4837.9	4894.3	4926.8	4951.6
37.5°	4698.2	4688.3	4740.5	4785.7	4804.8
40°	4527.4	4527.4	4576.8	4622.7	4642.5
42.5°	4332.6	4360.2	4398.3	4445.5	4003.8
45°	4146.4	4159.1	4227.5	3744.2	2627.1
47.5°	3967.1	3983.3	4048.3	2406.9	2472.6
50°	3726.5	3799.9	3850.7	2399.9	2545.3
52.5°	3550.8	3582.5	3232.6	2375.9	2457.8
55°	3255.2	3361.7	2066.1	2349.1	2574.2
57.5°	3002.5	3080.2	2031.6	2406.9	2546.7
60°	2706.9	2825.4	1856.5	2322.3	2054.8
62.5°	2423.2	2536.1	1938.4	1827.6	1740.1
65°	2143.7	2270.0	1884.1	1449.4	1062.7
67.5°	1837.5	1719.7	1503.0	1021.1	1074.7
70°	1532.0	1201.0	1155.2	1141.8	1054.2
72.5°	1217.9	876.4	767.0	856.7	613.2
75°	923.7	905.4	794.6	519.3	553.2
77.5°	640.7	653.4	425.5	506.6	420.5
80°	426.9	369.8	385.3	323.2	319.0
82.5°	295.7	302.0	253.3	245.5	249.1
85°	205.3	182.8	178.5	170.8	169.4
87.5°	68.4	79.8	74.1	67.0	71.3
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)