

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: P730511

Luminaire Tested: **HBLED-LD5-15SE-W-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730511
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-L835
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14505.0 lumens
Efficiency: N/A
Efficacy: 154.3 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

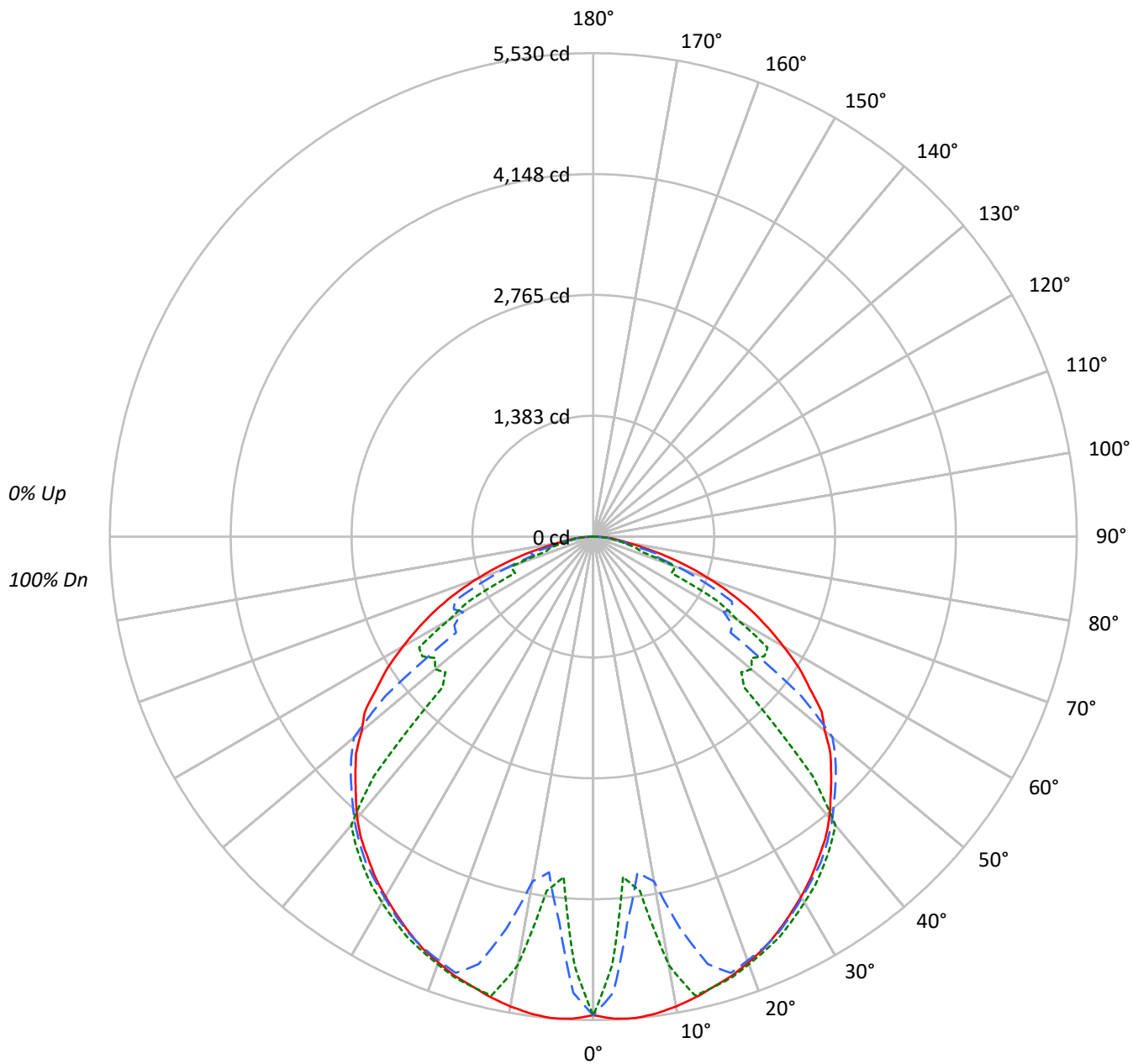
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8840	8840	8840
5°	8963	7201	6333
10°	8948	6567	8167
15°	8908	8464	8916
20°	8908	8867	8946
25°	8892	8912	8994
30°	8866	8896	9010
35°	8852	8950	9055
40°	8853	8950	9078
45°	8784	8956	5565
50°	8684	8974	5932
55°	8501	5396	6723
60°	8110	5562	6156
65°	7598	6678	3767
70°	6710	5060	4617
75°	5346	4599	3202
80°	3683	3323	2751
85°	3529	3068	2910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.8	3.0
10°-20°	1371.6	9.5
20°-30°	2256.6	15.6
30°-40°	2837.4	19.6
40°-50°	2782.8	19.2
50°-60°	2305.7	15.9
60°-70°	1626.2	11.2
70°-80°	709.5	4.9
80°-90°	177.3	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°	4066.1	28.0
0°-40°	6903.5	47.6
0°-60°	11992.0	82.7
0°-90°	14505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5475	5475	5475	5475	5475	
5°	5530	5147	4443	4028	3907	525
15°	5329	3701	5063	5350	5334	1507
25°	4991	4567	5002	5036	5048	2301
35°	4491	4488	4541	4571	4594	2814
45°	3847	3859	3922	3474	2437	2969
55°	3020	3119	1917	2180	2388	2702
65°	1989	2106	1748	1345	986	1956
75°	857	840	737	482	513	919
85°	190	170	166	158	157	198
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5475.2	5475.2	5475.2	5475.2	5475.2
2.5°	5520.3	5405.8	5223.8	4994.6	4913.5
5°	5530.2	5147.1	4442.7	4028.3	3907.2
7.5°	5502.0	4677.7	3873.2	3960.2	4088.5
10°	5457.5	4265.3	4005.4	4712.4	4981.5
12.5°	5400.5	3898.7	4588.7	5323.3	5376.9
15°	5329.1	3701.0	5063.4	5350.1	5333.7
17.5°	5268.9	3816.8	5233.6	5296.4	5284.6
20°	5184.5	4048.0	5160.9	5211.3	5206.7
22.5°	5099.4	4321.6	5092.2	5128.2	5128.2
25°	4991.4	4567.1	5002.5	5035.9	5048.3
27.5°	4872.8	4708.5	4890.5	4918.0	4940.3
30°	4755.6	4728.8	4771.4	4806.7	4832.9
32.5°	4631.9	4621.5	4654.8	4692.2	4725.5
35°	4491.1	4488.5	4540.9	4571.0	4594.0
37.5°	4358.9	4349.8	4398.2	4440.1	4457.8
40°	4200.5	4200.5	4246.3	4288.9	4307.2
42.5°	4019.8	4045.3	4080.7	4124.5	3714.7
45°	3846.9	3858.7	3922.2	3473.8	2437.4
47.5°	3680.6	3695.7	3756.0	2233.1	2294.1
50°	3457.4	3525.5	3572.6	2226.6	2361.5
52.5°	3294.4	3323.8	2999.1	2204.4	2280.3
55°	3020.1	3118.9	1916.9	2179.5	2388.3
57.5°	2785.7	2857.7	1884.9	2233.1	2362.8
60°	2511.4	2621.4	1722.5	2154.6	1906.4
62.5°	2248.2	2352.9	1798.4	1695.7	1614.5
65°	1988.9	2106.1	1748.0	1344.7	985.9
67.5°	1704.8	1595.5	1394.5	947.4	997.1
70°	1421.3	1114.3	1071.8	1059.3	978.1
72.5°	1130.0	813.1	711.6	794.8	568.9
75°	857.0	840.0	737.2	481.8	513.3
77.5°	594.4	606.2	394.8	470.0	390.2
80°	396.1	343.1	357.4	299.8	295.9
82.5°	274.3	280.2	235.0	227.8	231.1
85°	190.5	169.6	165.6	158.5	157.1
87.5°	63.5	74.0	68.8	62.2	66.2
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)