

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: P730473

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-AI-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14560.0 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

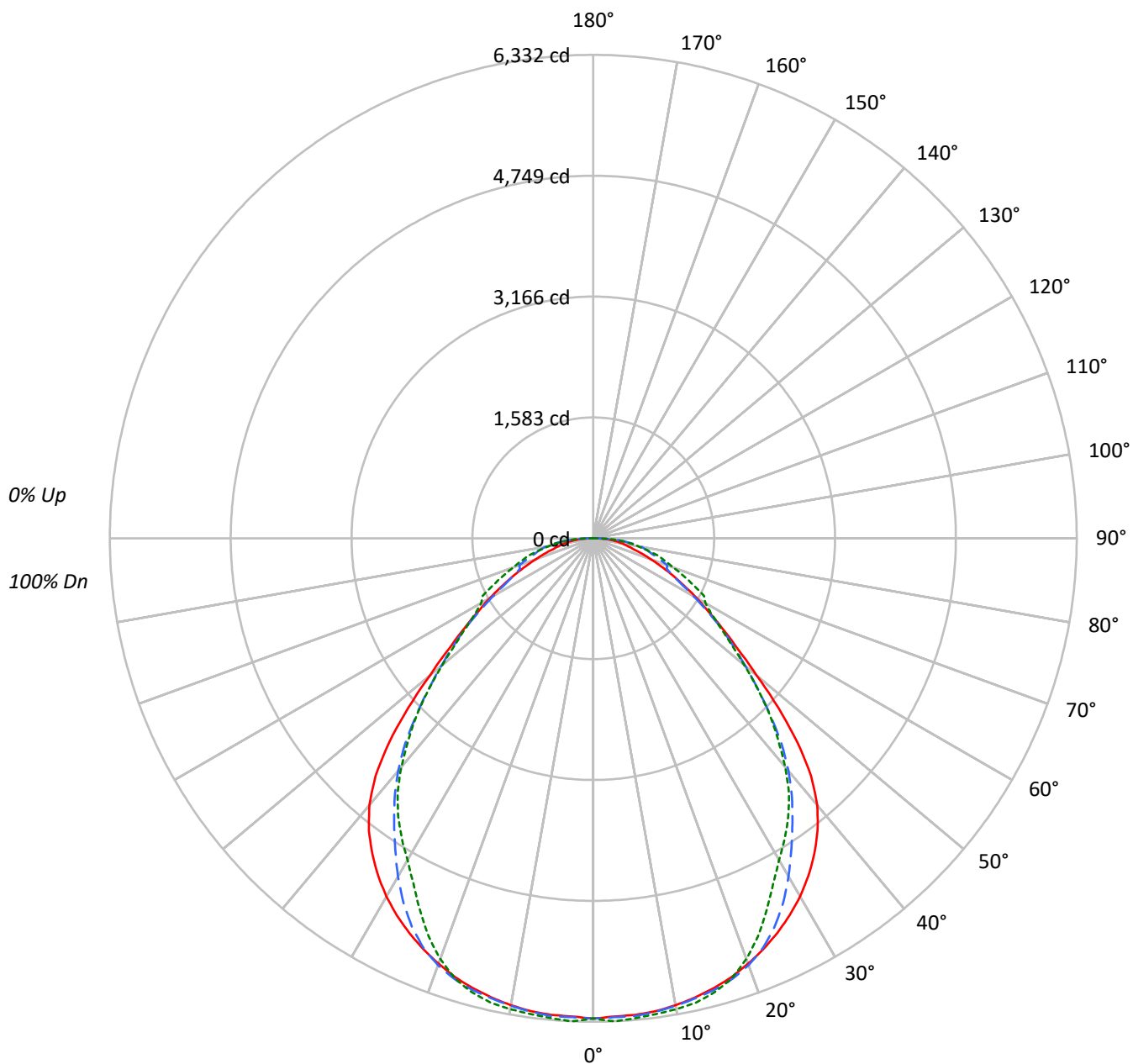
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10156	10156	10156
5°	10156	10178	10227
10°	10181	10194	10269
15°	10197	10235	10285
20°	10186	10224	10073
25°	10161	10008	9573
30°	10101	9536	9071
35°	9949	8963	8776
40°	9616	8380	8242
45°	8643	7483	7456
50°	7010	6518	6473
55°	5821	5713	5710
60°	5040	4893	5470
65°	4368	4340	5513
70°	3766	4869	5256
75°	3377	4990	5479
80°	3510	5875	5497
85°	3985	6769	6282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.9	4.1
10°-20°	1729.7	11.9
20°-30°	2569.0	17.6
30°-40°	2916.6	20.0
40°-50°	2607.3	17.9
50°-60°	1802.7	12.4
60°-70°	1189.5	8.2
70°-80°	802.5	5.5
80°-90°	343.7	2.4
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°	4897.7	33.6
0°-40°	7814.3	53.7
0°-60°	12224.2	84.0
0°-90°	14560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6290	6290	6290	6290	6290	
5°	6266	6305	6280	6305	6310	596
15°	6100	6129	6123	6157	6153	1722
25°	5703	5758	5618	5451	5374	2628
35°	5047	4941	4547	4481	4453	3147
45°	3785	3465	3277	3302	3265	2879
55°	2068	1888	2029	2001	2029	1878
65°	1143	1015	1136	1328	1443	1141
75°	541	681	800	855	878	591
85°	215	299	365	368	339	224
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6290.4	6290.4	6290.4	6290.4	6290.4
2.5°	6269.0	6308.2	6279.0	6306.1	6332.4
5°	6266.1	6304.6	6279.7	6305.3	6310.3
7.5°	6248.3	6283.9	6254.7	6279.7	6285.4
10°	6209.8	6251.9	6217.7	6256.2	6263.3
12.5°	6160.0	6202.8	6172.8	6225.5	6228.4
15°	6100.2	6129.4	6123.0	6157.1	6152.9
17.5°	6024.7	6058.2	6053.2	6061.7	6041.8
20°	5928.5	5966.2	5950.6	5911.4	5862.3
22.5°	5825.2	5870.8	5808.9	5709.9	5640.7
25°	5703.4	5757.5	5618.0	5450.6	5373.6
27.5°	5568.8	5617.2	5385.0	5179.9	5100.1
30°	5417.8	5438.4	5115.0	4919.9	4865.7
32.5°	5243.3	5213.4	4826.6	4697.6	4666.3
35°	5047.4	4941.2	4547.4	4481.1	4452.6
37.5°	4826.6	4632.2	4271.7	4241.1	4211.1
40°	4562.3	4275.2	3976.1	3956.2	3910.5
42.5°	4221.1	3887.0	3647.7	3624.2	3583.6
45°	3785.2	3464.6	3277.3	3302.2	3265.2
47.5°	3283.7	3040.8	2921.9	2990.3	2921.9
50°	2790.8	2627.7	2594.9	2656.9	2577.1
52.5°	2386.9	2240.2	2307.9	2318.5	2270.9
55°	2067.8	1887.6	2029.4	2000.9	2028.6
57.5°	1790.0	1588.4	1763.0	1730.2	1825.6
60°	1560.7	1334.2	1515.1	1508.0	1693.8
62.5°	1335.6	1154.7	1299.9	1404.7	1633.3
65°	1143.3	1015.0	1136.1	1328.5	1443.1
67.5°	958.8	910.3	1039.2	1146.1	1271.5
70°	797.7	822.7	1031.4	1011.5	1113.3
72.5°	662.4	747.2	910.3	913.9	985.8
75°	541.4	681.0	799.9	854.8	878.3
77.5°	450.2	617.6	722.3	741.5	718.7
80°	377.5	544.2	631.8	623.3	591.2
82.5°	304.8	412.4	497.9	505.8	468.0
85°	215.1	299.2	365.4	367.6	339.1
87.5°	115.4	184.5	221.5	227.9	210.8
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)