

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: P730482

Luminaire Tested: **HBLED-LD5-15SE-W-CL-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CL-UNV-L840
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14214.0 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

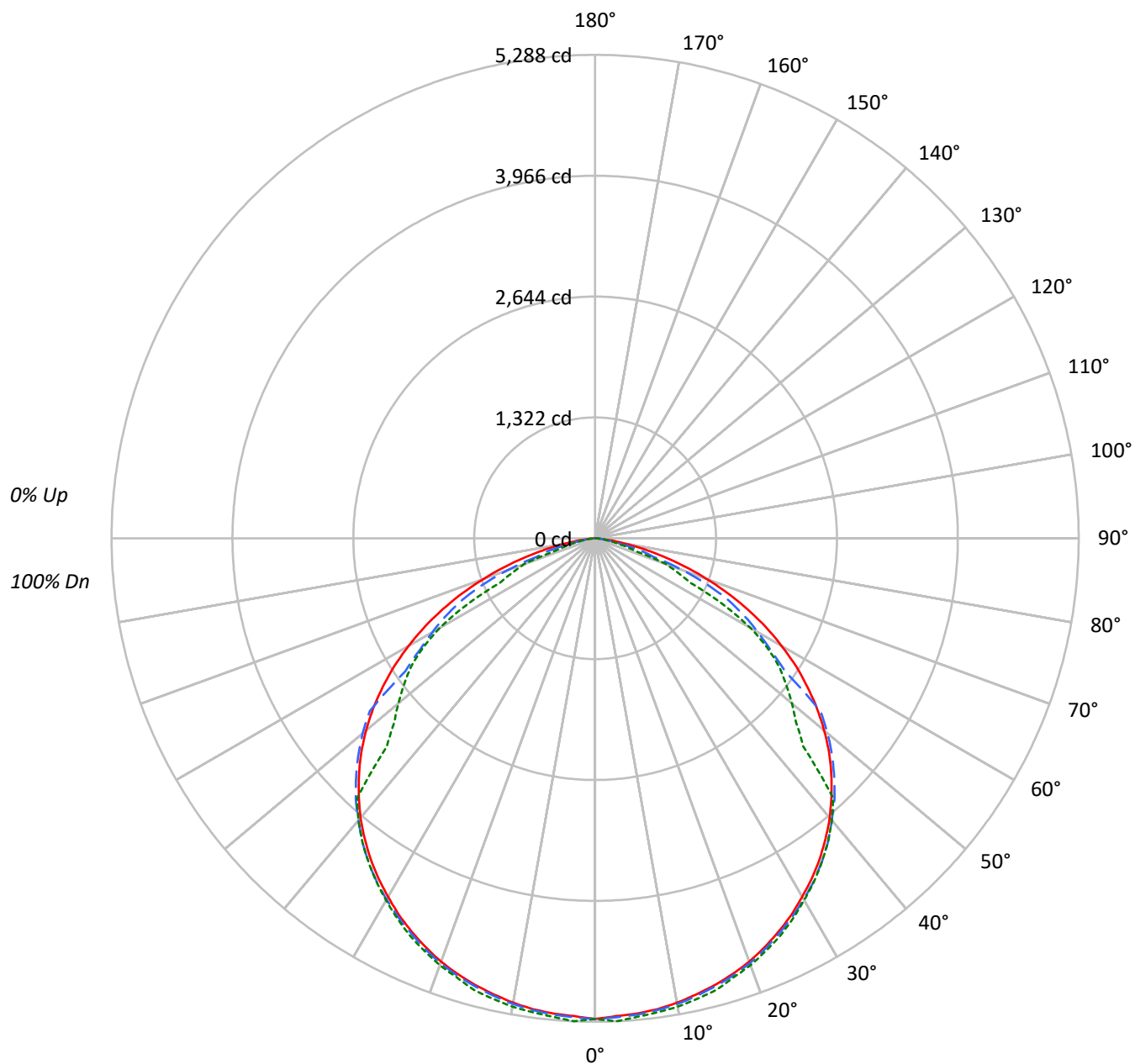
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8489	8489	8489
5°	8458	8477	8518
10°	8457	8481	8531
15°	8457	8482	8551
20°	8467	8499	8539
25°	8458	8490	8541
30°	8442	8504	8523
35°	8438	8515	8521
40°	8411	8486	8486
45°	8339	8440	7354
50°	8210	8334	7056
55°	7978	7134	6931
60°	7603	6632	6332
65°	7032	6156	4385
70°	6123	4790	3907
75°	4837	3215	2100
80°	3113	1535	1309
85°	1282	937	1032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.7	3.5
10°-20°	1437.5	10.1
20°-30°	2204.0	15.5
30°-40°	2701.3	19.0
40°-50°	2777.1	19.5
50°-60°	2370.2	16.7
60°-70°	1567.0	11.0
70°-80°	580.5	4.1
80°-90°	77.6	0.5
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°	4140.2	29.1
0°-40°	6841.5	48.1
0°-60°	11988.9	84.3
0°-90°	14214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5258	5258	5258	5258	5258	
5°	5219	5255	5230	5251	5256	496
15°	5059	5090	5075	5113	5116	1429
25°	4748	4772	4765	4808	4794	2189
35°	4281	4310	4320	4347	4323	2678
45°	3652	3689	3696	3691	3221	2815
55°	2834	2886	2534	2461	2462	2529
65°	1840	1856	1611	1325	1148	1815
75°	775	679	515	346	337	832
85°	69	49	51	55	56	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5257.7	5257.7	5257.7	5257.7	5257.7
2.5°	5232.1	5264.8	5245.5	5269.8	5288.4
5°	5218.7	5255.1	5230.2	5250.6	5255.8
7.5°	5195.6	5229.5	5206.5	5233.4	5229.5
10°	5158.5	5189.2	5173.2	5201.4	5203.3
12.5°	5111.1	5141.8	5127.1	5161.6	5161.0
15°	5059.2	5090.0	5074.6	5113.0	5115.6
17.5°	4998.4	5026.6	5015.1	5050.3	5036.2
20°	4928.0	4952.3	4946.5	4979.9	4969.6
22.5°	4841.6	4866.5	4860.8	4899.2	4883.8
25°	4747.5	4772.5	4765.4	4808.3	4794.2
27.5°	4645.7	4669.4	4668.7	4709.1	4687.3
30°	4527.9	4559.3	4561.2	4597.1	4571.4
32.5°	4411.4	4440.8	4449.2	4475.4	4453.7
35°	4280.8	4310.2	4319.9	4346.8	4323.1
37.5°	4140.0	4164.9	4182.2	4202.0	4183.5
40°	3990.8	4013.2	4026.0	4050.3	4026.0
42.5°	3824.4	3856.4	3874.3	3891.6	3851.9
45°	3652.2	3688.6	3696.3	3690.6	3220.7
47.5°	3469.7	3509.4	3513.9	3064.5	2978.1
50°	3268.7	3318.7	3318.0	2832.1	2809.1
52.5°	3059.4	3107.4	3105.5	2650.3	2635.0
55°	2834.0	2885.9	2534.4	2460.8	2462.1
57.5°	2604.2	2641.3	2273.9	2277.0	2234.8
60°	2354.6	2389.7	2053.7	2033.8	1960.8
62.5°	2104.3	2119.0	1840.5	1743.8	1604.9
65°	1840.5	1855.8	1611.3	1325.1	1147.8
67.5°	1569.7	1585.1	1337.3	985.9	972.4
70°	1297.0	1171.5	1014.7	821.4	827.7
72.5°	1028.1	900.1	663.2	636.3	459.6
75°	775.3	679.2	515.3	346.3	336.7
77.5°	539.7	468.0	275.9	236.2	220.9
80°	334.8	234.9	165.1	146.6	140.8
82.5°	169.6	135.1	89.6	89.6	89.6
85°	69.2	49.3	50.6	55.0	55.7
87.5°	14.7	19.8	24.3	25.0	24.3
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)