

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: P730443

Luminaire Tested: **HBLED-LD5-15SE-N-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-CL-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14891.0 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

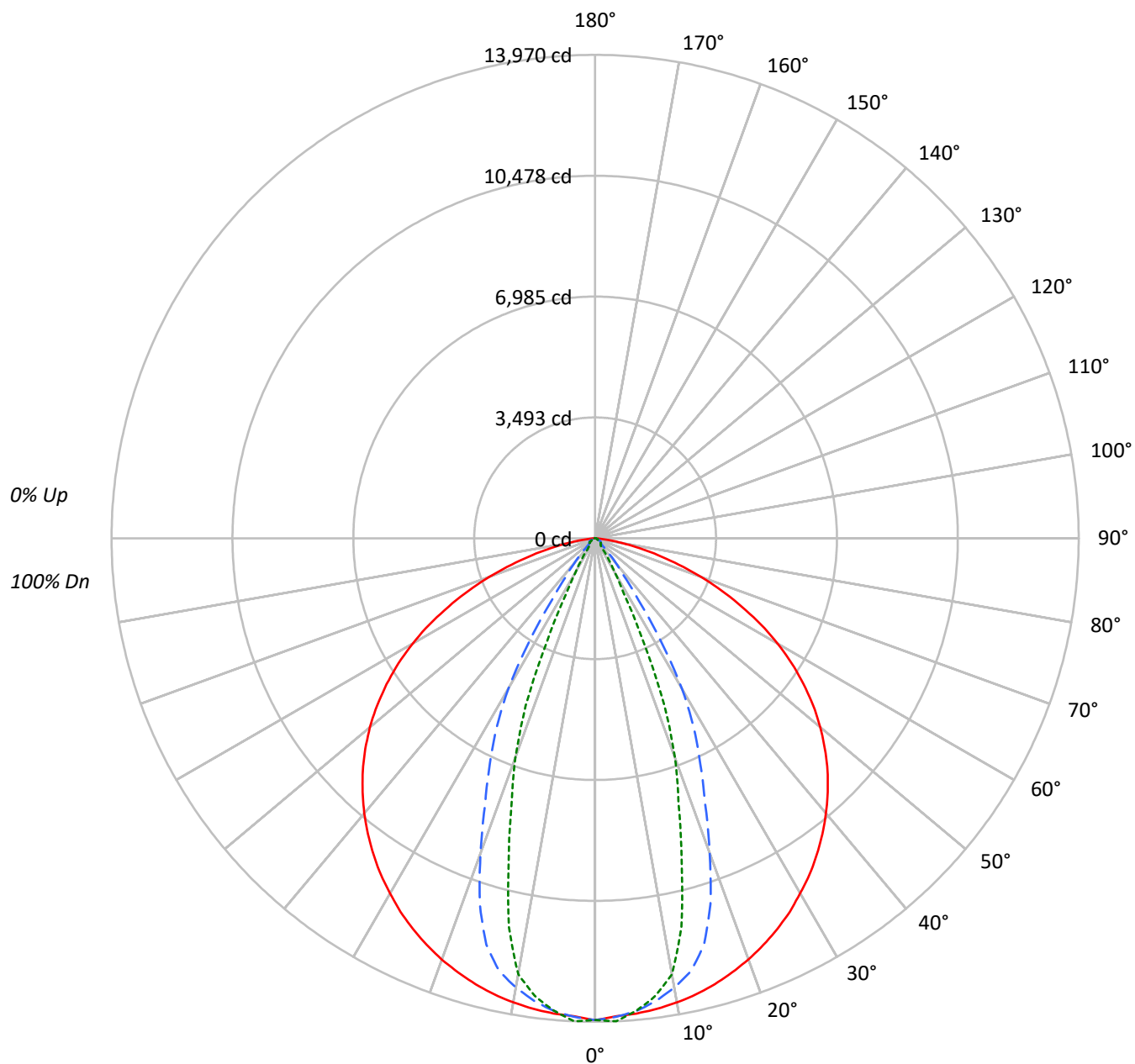
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	105	103	109	106	104	101		102	100	98		98	97	95		95	94	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		83	79	76		81	78	75
4	92	83	76	71	90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64	85	75	69	64		73	68	63		72	67	63		70	66	62
6	81	71	64	59	80	70	63	58		68	62	58		67	62	58		65	61	57
7	77	66	59	54	75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	43	64	54	47	43		53	47	43		52	47	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22481	22481	22481
5°	22343	22226	22210
10°	22327	21611	20974
15°	22302	20322	16127
20°	22259	16631	11567
25°	22189	12814	5878
30°	22084	9351	2139
35°	22005	4295	744
40°	21869	1949	514
45°	21675	727	521
50°	21329	528	548
55°	20698	556	417
60°	19669	594	368
65°	17837	452	300
70°	15294	326	276
75°	11690	289	263
80°	7314	272	285
85°	2310	317	383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1296.3	8.7
10°-20°	3265.4	21.9
20°-30°	3556.2	23.9
30°-40°	2660.2	17.9
40°-50°	1912.7	12.8
50°-60°	1174.7	7.9
60°-70°	676.0	4.5
70°-80°	301.7	2.0
80°-90°	47.8	0.3
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°	8117.8	54.5
0°-40°	10778.0	72.4
0°-60°	13865.5	93.1
0°-90°	14891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14891.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13923	13923	13923	13923	13923	
5°	13785	13850	13713	13726	13703	###
15°	13342	13086	12158	10442	9648	3766
25°	12455	11562	7193	4615	3300	5741
35°	11164	8007	2179	640	378	6983
45°	9492	4499	318	236	228	7313
55°	7353	935	197	191	148	6556
65°	4669	103	118	98	78	4622
75°	1874	62	46	48	42	2033
85°	125	12	17	22	21	248
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13923.4	13923.4	13923.4	13923.4	13923.4
2.5°	13826.6	13917.1	13840.8	13909.2	13969.8
5°	13785.3	13850.1	13713.3	13726.1	13703.3
7.5°	13714.0	13729.7	13482.5	13387.0	13340.6
10°	13618.5	13576.5	13181.8	12954.5	12792.8
12.5°	13498.1	13359.2	12807.7	11996.2	11512.4
15°	13342.1	13086.3	12157.9	10441.6	9647.8
17.5°	13156.1	12801.3	11082.0	8702.3	8015.5
20°	12954.5	12486.4	9679.1	7399.2	6732.3
22.5°	12716.5	12083.8	8295.5	6153.8	5238.2
25°	12455.0	11561.6	7192.6	4614.8	3299.6
27.5°	12172.9	10872.6	6171.6	2830.0	1784.1
30°	11845.2	10034.0	5015.9	1588.2	1147.1
32.5°	11525.2	9056.5	3583.1	1058.0	733.1
35°	11164.0	8007.0	2178.8	640.5	377.6
37.5°	10781.4	7052.9	1363.7	348.4	260.7
40°	10376.0	6148.1	924.8	247.3	243.7
42.5°	9942.8	5329.4	579.2	235.1	242.9
45°	9492.5	4498.6	318.5	235.9	228.0
47.5°	9003.8	3596.7	222.3	223.0	222.3
50°	8491.5	2579.9	210.2	220.2	218.1
52.5°	7939.3	1601.7	210.9	215.2	193.1
55°	7352.9	934.8	197.4	191.0	148.2
57.5°	6736.6	582.8	193.1	157.5	133.2
60°	6091.1	307.8	183.8	141.8	114.0
62.5°	5403.5	151.8	147.5	121.1	93.4
65°	4668.9	102.6	118.3	98.3	78.4
67.5°	3959.3	92.6	89.1	80.5	68.4
70°	3239.7	84.8	69.1	70.5	58.4
72.5°	2533.6	76.9	55.5	60.6	49.2
75°	1873.9	62.0	46.3	47.7	42.1
77.5°	1303.8	48.5	36.4	40.6	39.2
80°	786.6	30.7	29.2	33.5	30.7
82.5°	381.2	19.9	22.8	26.3	24.2
85°	124.7	12.1	17.1	22.1	20.7
87.5°	15.7	7.1	14.2	19.2	17.8
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)