

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: P730449

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
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-WG-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14643.0 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

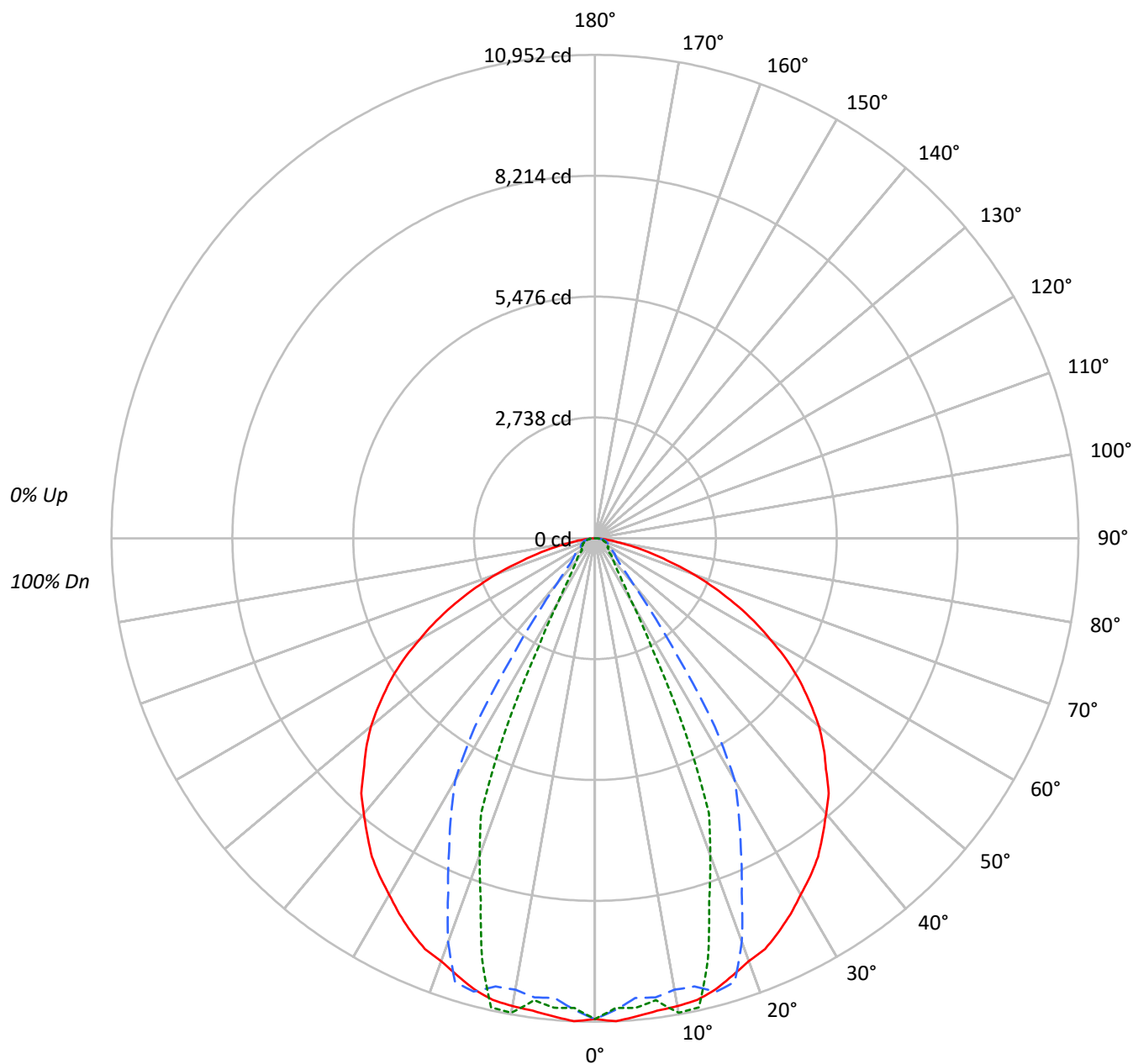
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17586	17586	17586
5°	17615	16945	17301
10°	17641	17026	17900
15°	17680	17772	16518
20°	17513	16716	13111
25°	17538	13935	8565
30°	17381	11805	3077
35°	17363	6395	1731
40°	17166	2788	1355
45°	16901	1723	1063
50°	16637	1501	1003
55°	15984	1302	982
60°	14830	1166	1055
65°	13330	1318	1153
70°	11179	1417	1189
75°	8357	1616	1287
80°	5249	1877	1467
85°	3496	2353	2149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.6	6.9
10°-20°	2850.8	19.5
20°-30°	3490.8	23.8
30°-40°	2741.4	18.7
40°-50°	2032.9	13.9
50°-60°	1237.6	8.5
60°-70°	741.3	5.1
70°-80°	406.7	2.8
80°-90°	131.9	0.9
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°	7351.2	50.2
0°-40°	10092.5	68.9
0°-60°	13363.0	91.3
0°-90°	14643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10892	10892	10892	10892	10892	
5°	10869	10573	10455	10570	10675	###
15°	10577	10287	10632	10203	9882	2978
25°	9845	9876	7822	6135	4808	4532
35°	8809	8013	3245	1086	878	5497
45°	7402	5315	755	572	465	5724
55°	5678	1464	462	391	349	5053
65°	3489	432	345	324	302	3447
75°	1340	272	259	225	206	1451
85°	189	148	127	117	116	230
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10892.2	10892.2	10892.2	10892.2	10892.2
2.5°	10951.6	10804.1	10691.1	10627.9	10653.6
5°	10868.7	10572.8	10454.7	10569.9	10674.9
7.5°	10796.7	10357.1	10490.6	10501.0	10556.0
10°	10760.1	10336.5	10384.9	10613.2	10917.9
12.5°	10711.6	10384.2	10401.1	10712.3	10884.1
15°	10577.3	10287.3	10632.3	10202.9	9882.1
17.5°	10381.3	10061.2	10535.4	9038.7	8602.6
20°	10192.6	9815.3	9728.7	8051.3	7630.7
22.5°	10070.8	9777.9	8690.7	7174.1	6739.5
25°	9844.7	9875.5	7822.3	6135.4	4807.5
27.5°	9595.8	9645.8	7054.5	4091.8	2754.2
30°	9322.7	9380.0	6332.1	2418.0	1650.2
32.5°	9075.4	8752.4	5057.0	1508.5	1147.3
35°	8808.9	8013.1	3244.6	1085.7	878.0
37.5°	8473.4	7236.5	2053.9	858.9	737.0
40°	8144.6	6539.1	1322.8	733.3	643.1
42.5°	7837.0	5964.4	962.4	640.9	580.7
45°	7401.7	5314.7	754.6	571.8	465.4
47.5°	7025.1	4552.8	659.9	483.8	401.6
50°	6623.5	3481.0	597.5	430.2	399.4
52.5°	6147.1	2277.1	552.0	411.8	372.9
55°	5678.1	1464.5	462.4	391.3	348.7
57.5°	5171.5	928.6	408.2	379.5	364.1
60°	4592.4	626.2	361.2	359.7	326.7
62.5°	4056.5	514.6	348.7	345.0	309.1
65°	3489.1	431.6	345.0	324.5	301.7
67.5°	2922.3	370.0	312.0	296.5	276.7
70°	2368.1	338.4	300.2	293.6	251.8
72.5°	1798.5	278.9	266.5	248.9	209.2
75°	1339.7	272.3	259.1	225.3	206.3
77.5°	906.6	251.1	235.7	201.9	186.5
80°	564.5	230.5	201.9	176.9	157.8
82.5°	335.5	192.3	165.9	146.1	133.6
85°	188.7	148.3	127.0	116.7	116.0
87.5°	40.4	53.6	42.6	40.4	28.6
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)