

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: P730592

Luminaire Tested: **HBLED-LD5-18SE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730592
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-LD5-18SE-N-CL-WG-UNV-L735
Description: 18000 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: 16895.0 lumens
Efficiency: N/A
Efficacy: 147.2 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

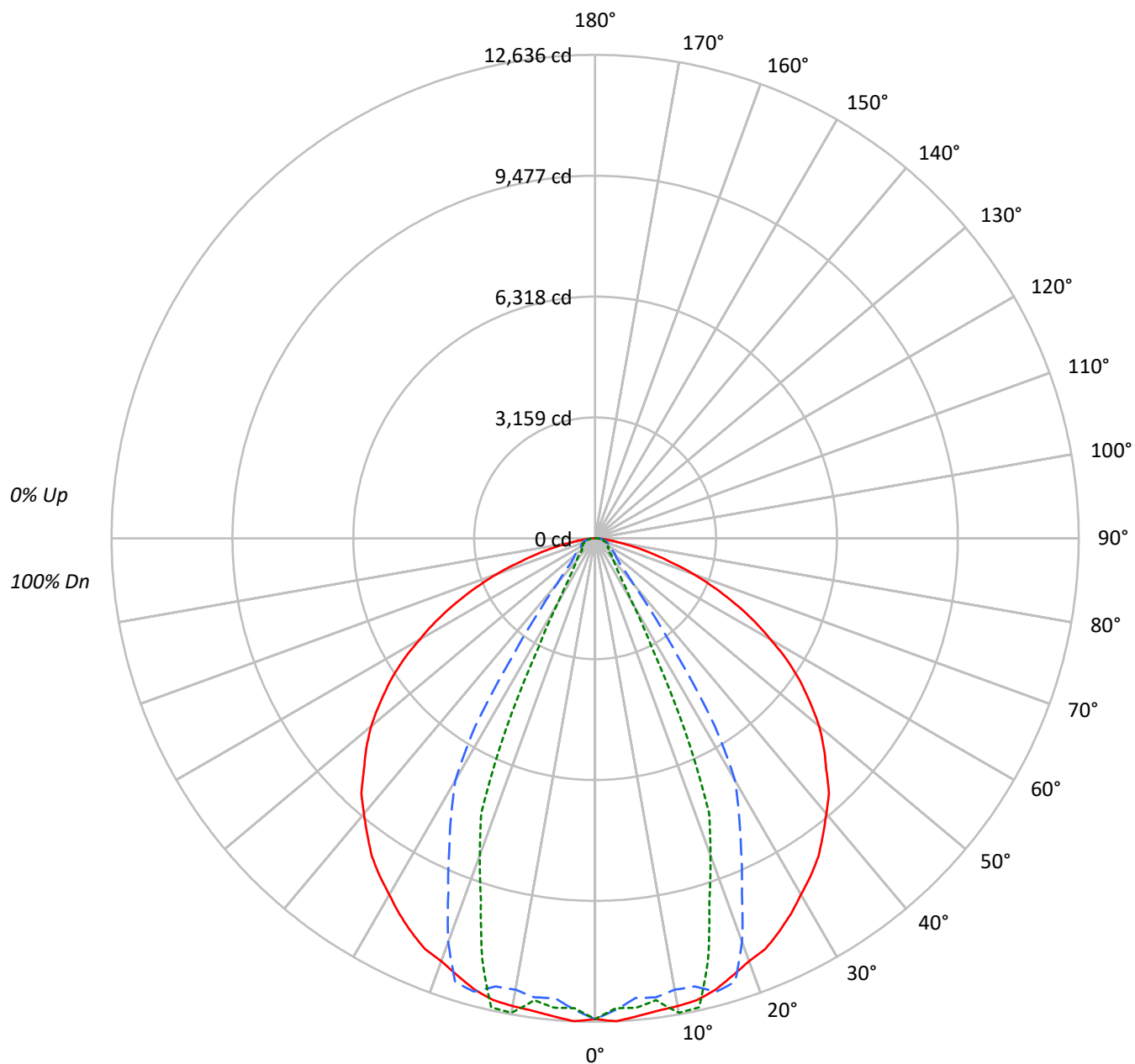
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20291	20291	20291
5°	20325	19550	19962
10°	20354	19645	20653
15°	20400	20506	19059
20°	20206	19287	15127
25°	20236	16079	9882
30°	20054	13621	3550
35°	20033	7379	1997
40°	19806	3217	1564
45°	19500	1988	1226
50°	19196	1732	1157
55°	18442	1502	1132
60°	17110	1346	1217
65°	15380	1521	1330
70°	12898	1635	1371
75°	9643	1865	1485
80°	6056	2166	1693
85°	4033	2714	2479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1164.8	6.9
10°-20°	3289.2	19.5
20°-30°	4027.7	23.8
30°-40°	3163.0	18.7
40°-50°	2345.5	13.9
50°-60°	1427.9	8.5
60°-70°	855.3	5.1
70°-80°	469.3	2.8
80°-90°	152.2	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°	8481.7	50.2
0°-40°	11644.7	68.9
0°-60°	15418.1	91.3
0°-90°	16895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12567	12567	12567	12567	12567	
5°	12540	12199	12062	12196	12317	###
15°	12204	11869	12268	11772	11402	3436
25°	11359	11394	9025	7079	5547	5229
35°	10164	9246	3744	1253	1013	6342
45°	8540	6132	871	660	537	6604
55°	6551	1690	534	451	402	5830
65°	4026	498	398	374	348	3977
75°	1546	314	299	260	238	1674
85°	218	171	146	135	134	266
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12567.4	12567.4	12567.4	12567.4	12567.4
2.5°	12635.9	12465.7	12335.3	12262.4	12292.0
5°	12540.2	12198.9	12062.5	12195.5	12316.6
7.5°	12457.2	11949.9	12104.0	12115.9	12179.4
10°	12414.9	11926.2	11982.1	12245.5	12597.0
12.5°	12359.0	11981.3	12000.7	12359.8	12558.0
15°	12204.0	11869.4	12267.5	11772.1	11401.9
17.5°	11977.8	11608.6	12155.7	10428.7	9925.7
20°	11760.1	11324.8	11224.9	9289.5	8804.2
22.5°	11619.6	11281.7	10027.3	8277.4	7776.0
25°	11358.7	11394.3	9025.3	7078.9	5546.8
27.5°	11071.6	11129.2	8139.4	4721.0	3177.8
30°	10756.5	10822.6	7305.9	2789.9	1904.0
32.5°	10471.1	10098.4	5834.8	1740.5	1323.8
35°	10163.7	9245.5	3743.6	1252.7	1013.0
37.5°	9776.6	8349.4	2369.8	990.9	850.4
40°	9397.2	7544.8	1526.2	846.1	742.0
42.5°	9042.3	6881.6	1110.4	739.4	670.0
45°	8540.0	6132.1	870.7	659.8	537.0
47.5°	8105.5	5252.9	761.4	558.2	463.3
50°	7642.2	4016.4	689.4	496.3	460.8
52.5°	7092.5	2627.3	636.9	475.2	430.2
55°	6551.3	1689.7	533.6	451.4	402.3
57.5°	5966.9	1071.4	470.9	437.9	420.1
60°	5298.7	722.4	416.7	415.0	376.9
62.5°	4680.3	593.7	402.3	398.1	356.6
65°	4025.7	498.0	398.1	374.4	348.1
67.5°	3371.8	426.9	360.0	342.1	319.3
70°	2732.3	390.5	346.4	338.8	290.5
72.5°	2075.0	321.8	307.5	287.1	241.4
75°	1545.7	314.2	299.0	260.0	238.0
77.5°	1046.0	289.7	271.9	232.9	215.2
80°	651.3	265.9	232.9	204.1	182.1
82.5°	387.1	221.9	191.4	168.6	154.1
85°	217.7	171.1	146.5	134.7	133.8
87.5°	46.6	61.8	49.1	46.6	33.0
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)