

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: P730594

Luminaire Tested: **HBLED-LD5-18SE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730594
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-L750
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: 17826.0 lumens
Efficiency: N/A
Efficacy: 155.3 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

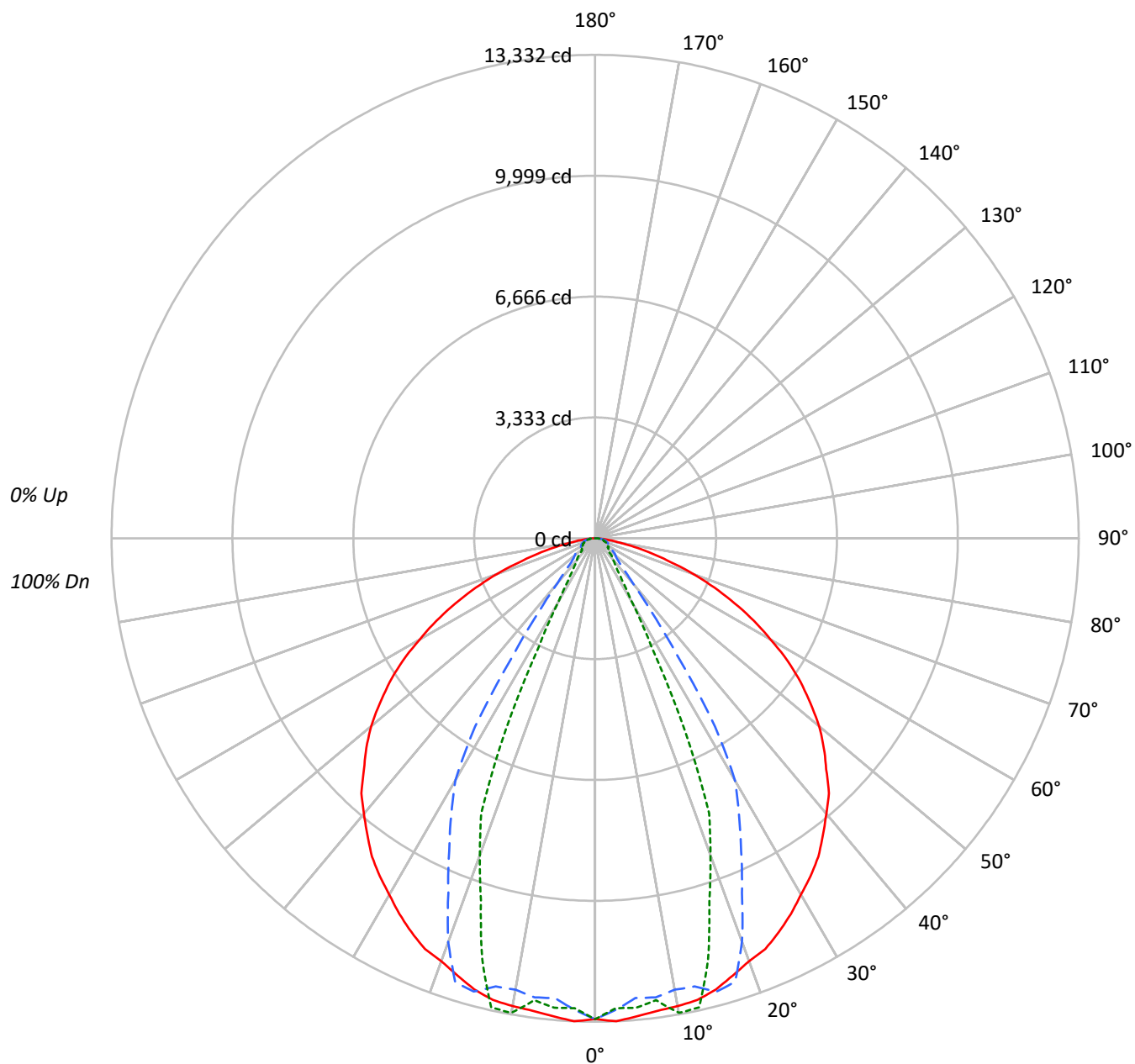
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21409	21409	21409
5°	21445	20628	21062
10°	21476	20727	21791
15°	21524	21636	20109
20°	21320	20350	15961
25°	21351	16965	10426
30°	21159	14371	3745
35°	21137	7785	2107
40°	20898	3394	1650
45°	20575	2098	1294
50°	20254	1827	1221
55°	19458	1585	1195
60°	18053	1420	1284
65°	16227	1605	1403
70°	13609	1725	1447
75°	10174	1968	1566
80°	6390	2285	1786
85°	4255	2864	2616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1229.0	6.9
10°-20°	3470.4	19.5
20°-30°	4249.7	23.8
30°-40°	3337.3	18.7
40°-50°	2474.8	13.9
50°-60°	1506.6	8.5
60°-70°	902.5	5.1
70°-80°	495.2	2.8
80°-90°	160.6	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°	8949.1	50.2
0°-40°	12286.4	68.9
0°-60°	16267.8	91.3
0°-90°	17826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13260	13260	13260	13260	13260	
5°	13231	12871	12727	12868	12995	###
15°	12876	12524	12944	12421	12030	3625
25°	11985	12022	9523	7469	5852	5517
35°	10724	9755	3950	1322	1069	6691
45°	9011	6470	919	696	567	6968
55°	6912	1783	563	476	424	6151
65°	4248	526	420	395	367	4196
75°	1631	332	315	274	251	1766
85°	230	180	155	142	141	280
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13259.9	13259.9	13259.9	13259.9	13259.9
2.5°	13332.2	13152.6	13015.0	12938.2	12969.4
5°	13231.2	12871.1	12727.2	12867.6	12995.4
7.5°	13143.7	12608.4	12771.0	12783.6	12850.6
10°	13099.0	12583.4	12642.3	12920.2	13291.1
12.5°	13040.1	12641.5	12662.0	13040.9	13250.0
15°	12876.5	12523.5	12943.5	12420.8	12030.2
17.5°	12637.9	12248.3	12825.5	11003.4	10472.6
20°	12408.2	11948.9	11843.5	9801.5	9289.4
22.5°	12259.9	11903.3	10579.9	8733.5	8204.5
25°	11984.6	12022.2	9522.7	7469.0	5852.5
27.5°	11681.7	11742.5	8587.9	4981.2	3352.9
30°	11349.3	11419.0	7708.5	2943.6	2008.9
32.5°	11048.1	10654.9	6156.3	1836.4	1396.7
35°	10723.7	9755.0	3949.9	1321.7	1068.8
37.5°	10315.3	8809.5	2500.4	1045.5	897.2
40°	9915.0	7960.6	1610.4	892.7	782.9
42.5°	9540.5	7260.9	1171.6	780.2	706.9
45°	9010.6	6470.0	918.7	696.1	566.6
47.5°	8552.2	5542.4	803.4	588.9	488.9
50°	8063.3	4237.7	727.4	523.7	486.2
52.5°	7483.4	2772.0	672.0	501.3	453.9
55°	6912.3	1782.9	563.0	476.3	424.5
57.5°	6295.7	1130.5	496.9	462.0	443.2
60°	5590.6	762.3	439.7	437.9	397.7
62.5°	4938.2	626.4	424.5	420.0	376.2
65°	4247.5	525.5	420.0	395.0	367.3
67.5°	3557.6	450.4	379.8	361.0	336.9
70°	2882.9	412.0	365.5	357.5	306.5
72.5°	2189.4	339.6	324.4	303.0	254.7
75°	1630.9	331.5	315.4	274.3	251.1
77.5°	1103.7	305.6	286.9	245.8	227.0
80°	687.2	280.6	245.8	215.4	192.1
82.5°	408.4	234.1	202.0	177.9	162.6
85°	229.7	180.5	154.6	142.1	141.2
87.5°	49.2	65.2	51.8	49.2	34.8
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)