

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: P730630

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18SE-W-CL-WG-UNV-L750
Description: 18000 LUMEN, SE HBLED WITH WIDE 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 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

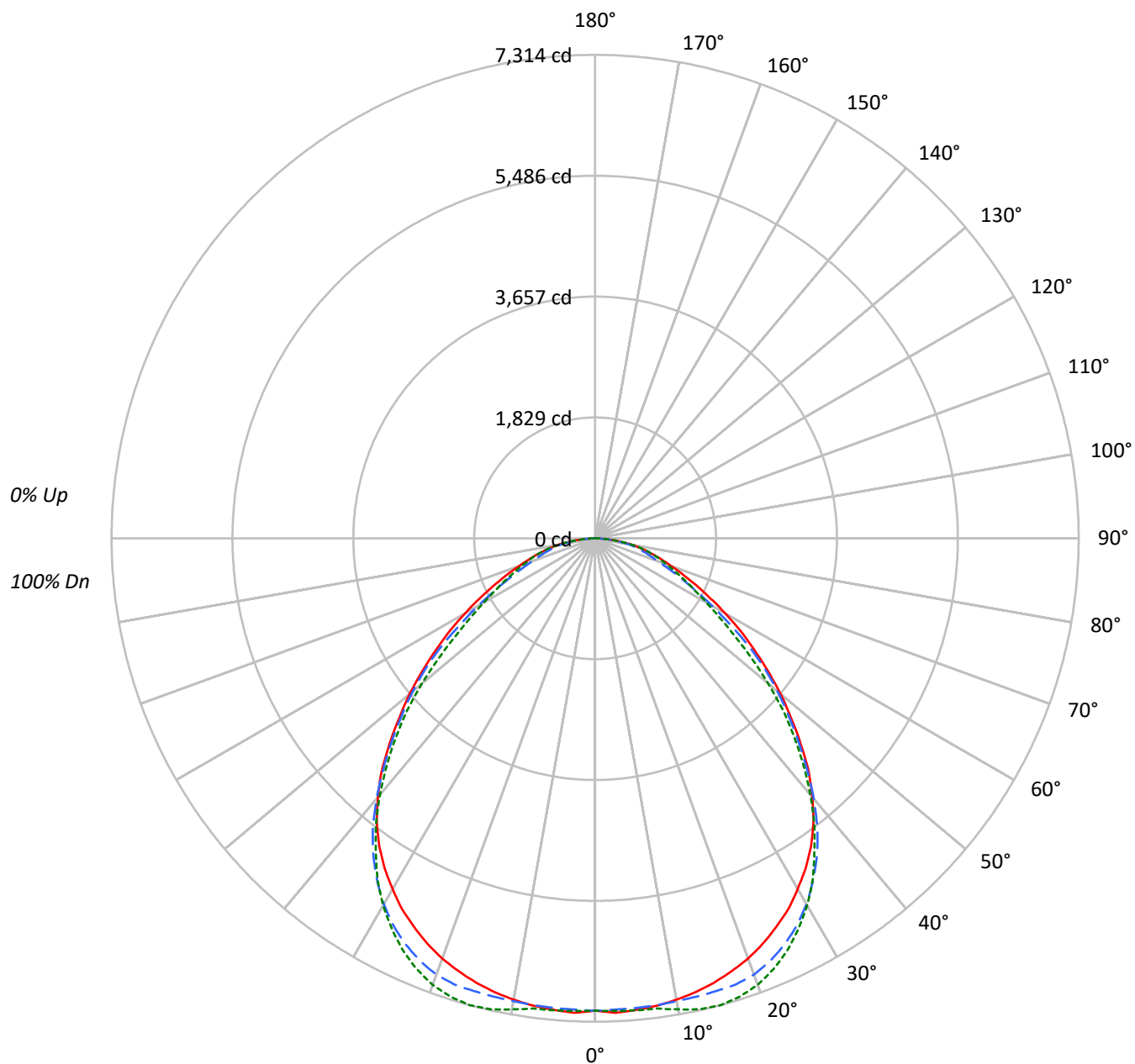
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11541	11541	11541
5°	11609	11561	11618
10°	11619	11658	11867
15°	11633	11852	12225
20°	11626	12069	12351
25°	11554	12080	12257
30°	11422	11920	11958
35°	11218	11534	11396
40°	10775	10841	10670
45°	10040	9935	9733
50°	9192	9044	8581
55°	8257	7951	7255
60°	7323	6578	6263
65°	6452	5466	5684
70°	5770	4743	5414
75°	5405	4612	5475
80°	5263	4663	5211
85°	4200	3688	3825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.9	3.8
10°-20°	2005.6	11.3
20°-30°	3085.4	17.3
30°-40°	3600.8	20.2
40°-50°	3346.1	18.8
50°-60°	2480.3	13.9
60°-70°	1516.2	8.5
70°-80°	863.7	4.8
80°-90°	247.0	1.4
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°	5771.9	32.4
0°-40°	9372.7	52.6
0°-60°	15199.1	85.3
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°	7148	7148	7148	7148	7148	
5°	7162	7129	7133	7128	7168	681
15°	6960	6956	7091	7231	7314	1964
25°	6486	6536	6781	6838	6880	2988
35°	5691	5736	5852	5804	5782	3546
45°	4397	4423	4351	4283	4262	3388
55°	2933	2860	2824	2623	2577	2632
65°	1689	1534	1431	1469	1488	1690
75°	866	813	739	843	878	927
85°	227	221	199	206	206	261
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7147.7	7147.7	7147.7	7147.7	7147.7
2.5°	7186.4	7145.9	7138.5	7121.9	7158.7
5°	7162.5	7129.3	7132.9	7127.5	7168.0
7.5°	7134.8	7110.8	7125.6	7123.7	7177.2
10°	7086.9	7074.0	7110.8	7151.4	7238.1
12.5°	7033.4	7020.5	7101.6	7204.8	7298.9
15°	6959.7	6955.9	7090.6	7230.7	7313.6
17.5°	6867.5	6873.0	7077.6	7197.5	7271.2
20°	6766.1	6775.3	7024.2	7121.9	7188.3
22.5°	6635.2	6666.6	6920.9	7002.0	7053.7
25°	6485.8	6535.6	6780.8	6838.0	6880.4
27.5°	6325.5	6375.2	6607.5	6637.0	6661.0
30°	6126.3	6196.4	6393.6	6397.4	6413.9
32.5°	5923.5	5986.2	6137.4	6120.8	6124.5
35°	5691.3	5735.5	5851.6	5803.7	5781.6
37.5°	5423.9	5447.9	5521.6	5449.8	5446.0
40°	5112.3	5143.7	5143.7	5044.2	5062.6
42.5°	4780.5	4791.5	4745.5	4651.4	4666.2
45°	4397.0	4422.8	4350.9	4282.7	4262.5
47.5°	4017.2	4043.0	3967.5	3888.2	3853.2
50°	3659.6	3646.6	3600.6	3466.0	3416.2
52.5°	3289.0	3248.5	3230.0	3032.8	2975.6
55°	2933.2	2859.5	2824.5	2623.4	2577.3
57.5°	2603.2	2470.5	2404.1	2247.4	2228.9
60°	2267.7	2118.3	2037.2	1935.8	1939.5
62.5°	1963.5	1806.7	1709.1	1679.6	1692.4
65°	1688.8	1533.9	1430.7	1469.4	1487.8
67.5°	1439.9	1312.7	1196.5	1286.8	1305.2
70°	1222.3	1120.9	1004.8	1137.5	1146.8
72.5°	1041.6	958.7	861.0	986.3	1006.6
75°	866.5	813.1	739.3	842.6	877.6
77.5°	713.5	671.1	628.7	691.4	730.1
80°	566.0	523.6	501.5	534.6	560.4
82.5°	400.1	372.5	350.3	374.2	387.2
85°	226.7	221.2	199.1	206.5	206.5
87.5°	51.6	59.0	66.4	60.8	51.6
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)