

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: P730564

Luminaire Tested: **HBLED-LD5-18HE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18HE-W-CLI-UNV-L750
Description: 18000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18995.0 lumens
Efficiency: N/A
Efficacy: 172.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

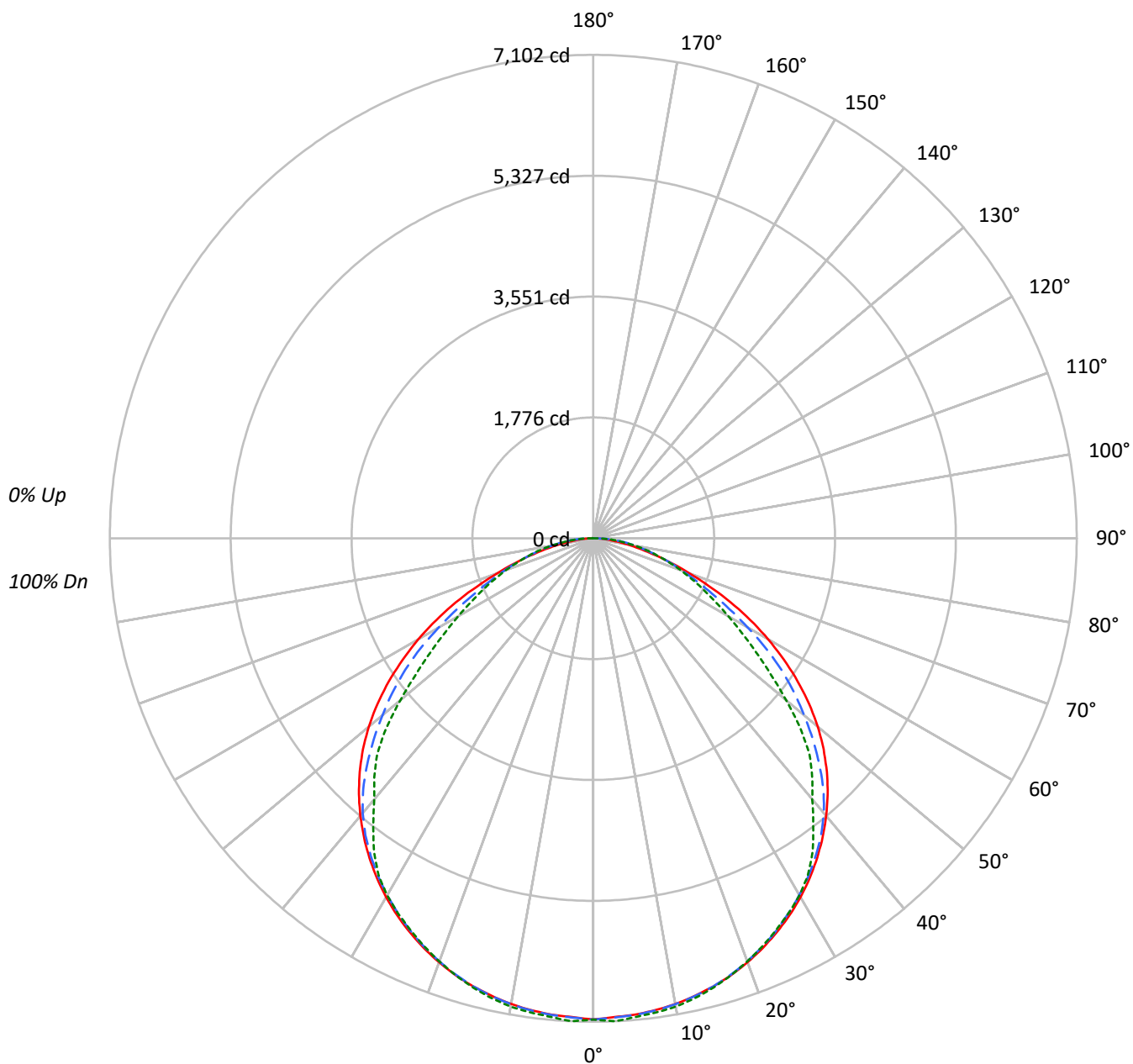
Input Watts (W): 110.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11415	11415	11415
5°	11385	11393	11444
10°	11391	11396	11456
15°	11392	11391	11418
20°	11389	11363	11366
25°	11372	11330	11316
30°	11353	11286	11292
35°	11300	11230	11071
40°	11220	11105	10545
45°	11078	10723	10254
50°	10811	10152	9287
55°	10319	9495	8212
60°	9576	8471	7405
65°	8512	7335	6810
70°	7064	6555	6419
75°	5713	5999	6074
80°	4538	5738	5714
85°	3553	6163	5880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.5	3.5
10°-20°	1928.6	10.2
20°-30°	2940.8	15.5
30°-40°	3557.9	18.7
40°-50°	3603.8	19.0
50°-60°	2978.6	15.7
60°-70°	1967.3	10.4
70°-80°	1025.9	5.4
80°-90°	321.6	1.7
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°	5539.8	29.2
0°-40°	9097.7	47.9
0°-60°	15680.2	82.5
0°-90°	18995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7070	7070	7070	7070	7070	
5°	7024	7067	7029	7060	7061	668
15°	6816	6850	6815	6836	6831	1925
25°	6383	6409	6360	6376	6352	2943
35°	5733	5741	5698	5690	5617	3586
45°	4851	4839	4696	4550	4491	3736
55°	3666	3611	3373	3045	2917	3267
65°	2228	2163	1920	1795	1782	2201
75°	916	932	962	974	974	998
85°	192	247	333	330	317	233
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7070.0	7070.0	7070.0	7070.0	7070.0
2.5°	7040.4	7081.9	7047.1	7077.7	7102.3
5°	7024.2	7066.7	7029.3	7059.9	7060.7
7.5°	6992.9	7035.3	6997.0	7027.6	7026.7
10°	6947.8	6987.7	6951.2	6987.7	6987.7
12.5°	6886.7	6925.7	6890.1	6924.0	6918.9
15°	6815.5	6850.2	6814.6	6835.8	6830.7
17.5°	6731.4	6762.8	6722.9	6740.7	6730.6
20°	6628.7	6657.6	6613.5	6636.4	6615.1
22.5°	6513.2	6540.4	6495.4	6512.5	6488.6
25°	6383.4	6408.9	6359.7	6375.8	6352.0
27.5°	6243.4	6266.3	6211.1	6230.7	6211.9
30°	6089.7	6100.8	6053.3	6078.7	6056.7
32.5°	5918.3	5925.1	5883.5	5906.4	5869.1
35°	5733.2	5740.9	5697.6	5690.0	5617.0
37.5°	5535.5	5538.9	5498.2	5429.4	5308.9
40°	5323.4	5321.7	5269.0	5110.3	5003.3
42.5°	5096.7	5095.9	5003.3	4822.5	4761.5
45°	4851.4	4838.7	4696.1	4550.1	4490.7
47.5°	4588.4	4574.7	4375.3	4259.0	4124.1
50°	4304.0	4280.2	4041.7	3883.0	3697.1
52.5°	3997.6	3961.1	3718.4	3462.0	3286.3
55°	3665.7	3611.4	3372.9	3045.3	2917.2
57.5°	3320.3	3239.7	3007.9	2688.9	2584.4
60°	2965.5	2875.5	2623.4	2361.2	2293.3
62.5°	2600.5	2511.5	2254.3	2056.5	2019.2
65°	2228.0	2163.4	1919.9	1795.1	1782.4
67.5°	1846.0	1823.1	1637.2	1573.6	1568.5
70°	1496.4	1492.1	1388.5	1356.3	1359.7
72.5°	1195.9	1190.8	1175.6	1159.4	1160.2
75°	915.8	931.9	961.6	974.3	973.6
77.5°	683.2	716.4	779.1	804.6	800.3
80°	488.1	537.3	617.1	640.8	614.5
82.5°	325.1	376.8	471.0	474.4	453.2
85°	191.8	247.0	332.7	330.2	317.4
87.5°	95.0	148.5	199.4	190.9	182.5
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)