

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: P730636

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730636
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-LD5-18SE-W-CLI-UNV-L750
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18670.0 lumens
Efficiency: N/A
Efficacy: 162.6 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

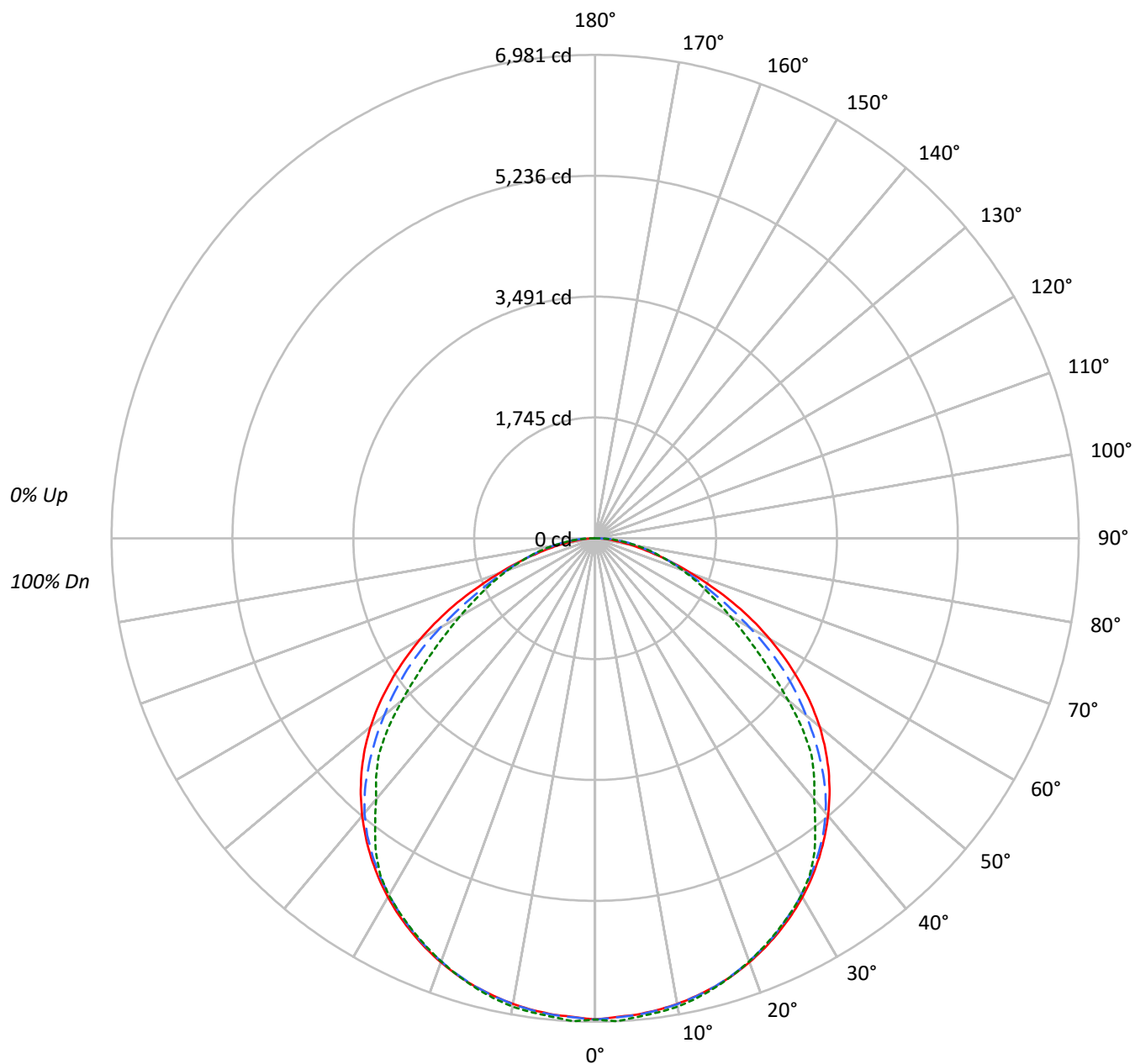
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	11220	11220	11220
5°	11190	11198	11248
10°	11196	11202	11260
15°	11198	11196	11222
20°	11195	11169	11172
25°	11177	11136	11122
30°	11159	11092	11099
35°	11107	11038	10882
40°	11028	10916	10365
45°	10888	10539	10078
50°	10626	9979	9128
55°	10142	9332	8071
60°	9412	8327	7279
65°	8366	7209	6693
70°	6943	6443	6309
75°	5615	5896	5969
80°	4460	5639	5616
85°	3492	6058	5780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.0	3.5
10°-20°	1895.6	10.2
20°-30°	2890.4	15.5
30°-40°	3497.0	18.7
40°-50°	3542.2	19.0
50°-60°	2927.7	15.7
60°-70°	1933.7	10.4
70°-80°	1008.3	5.4
80°-90°	316.1	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°	5445.1	29.2
0°-40°	8942.1	47.9
0°-60°	15411.9	82.5
0°-90°	18670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6949	6949	6949	6949	6949	
5°	6904	6946	6909	6939	6940	657
15°	6699	6733	6698	6719	6714	1892
25°	6274	6299	6251	6267	6243	2893
35°	5635	5643	5600	5593	5521	3525
45°	4768	4756	4616	4472	4414	3672
55°	3603	3550	3315	2993	2867	3211
65°	2190	2126	1887	1764	1752	2163
75°	900	916	945	958	957	981
85°	188	243	327	324	312	229
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6949.0	6949.0	6949.0	6949.0	6949.0
2.5°	6919.9	6960.8	6926.5	6956.6	6980.8
5°	6904.0	6945.8	6909.0	6939.1	6939.9
7.5°	6873.2	6914.9	6877.3	6907.4	6906.5
10°	6828.9	6868.2	6832.3	6868.2	6868.2
12.5°	6768.9	6807.2	6772.3	6805.6	6800.6
15°	6698.9	6733.0	6698.0	6718.9	6713.8
17.5°	6616.2	6647.1	6607.9	6625.4	6615.4
20°	6515.3	6543.7	6500.3	6522.8	6501.9
22.5°	6401.8	6428.5	6384.3	6401.0	6377.6
25°	6274.2	6299.3	6250.9	6266.7	6243.3
27.5°	6136.5	6159.0	6104.8	6124.1	6105.6
30°	5985.5	5996.4	5949.7	5974.7	5953.1
32.5°	5817.0	5823.7	5782.8	5805.3	5768.7
35°	5635.2	5642.7	5600.2	5592.6	5520.9
37.5°	5440.8	5444.1	5404.1	5336.5	5218.1
40°	5232.3	5230.6	5178.9	5022.9	4917.7
42.5°	5009.5	5008.7	4917.7	4740.0	4680.0
45°	4768.4	4755.9	4615.7	4472.3	4413.8
47.5°	4509.8	4496.5	4300.4	4186.2	4053.5
50°	4230.4	4207.0	3972.6	3816.5	3633.9
52.5°	3929.2	3893.3	3654.7	3402.8	3230.1
55°	3603.0	3549.6	3315.2	2993.2	2867.3
57.5°	3263.5	3184.2	2956.5	2642.8	2540.2
60°	2914.8	2826.3	2578.6	2320.8	2254.0
62.5°	2556.0	2468.5	2215.7	2021.3	1984.6
65°	2189.8	2126.4	1887.0	1764.4	1751.9
67.5°	1814.4	1791.9	1609.2	1546.7	1541.6
70°	1470.7	1466.6	1364.8	1333.1	1336.4
72.5°	1175.4	1170.4	1155.4	1139.5	1140.4
75°	900.1	916.0	945.2	957.6	956.9
77.5°	671.6	704.1	765.8	790.8	786.6
80°	479.7	528.1	606.5	629.9	604.0
82.5°	319.5	370.4	463.0	466.3	445.5
85°	188.5	242.7	327.0	324.5	312.0
87.5°	93.4	146.0	196.0	187.7	179.4
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)