

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: P730556

Luminaire Tested: **HBLED-LD5-18HE-W-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730556
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-LD5-18HE-W-CL-WG-UNV-L735
Description: 18000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17189.0 lumens
Efficiency: N/A
Efficacy: 156.0 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

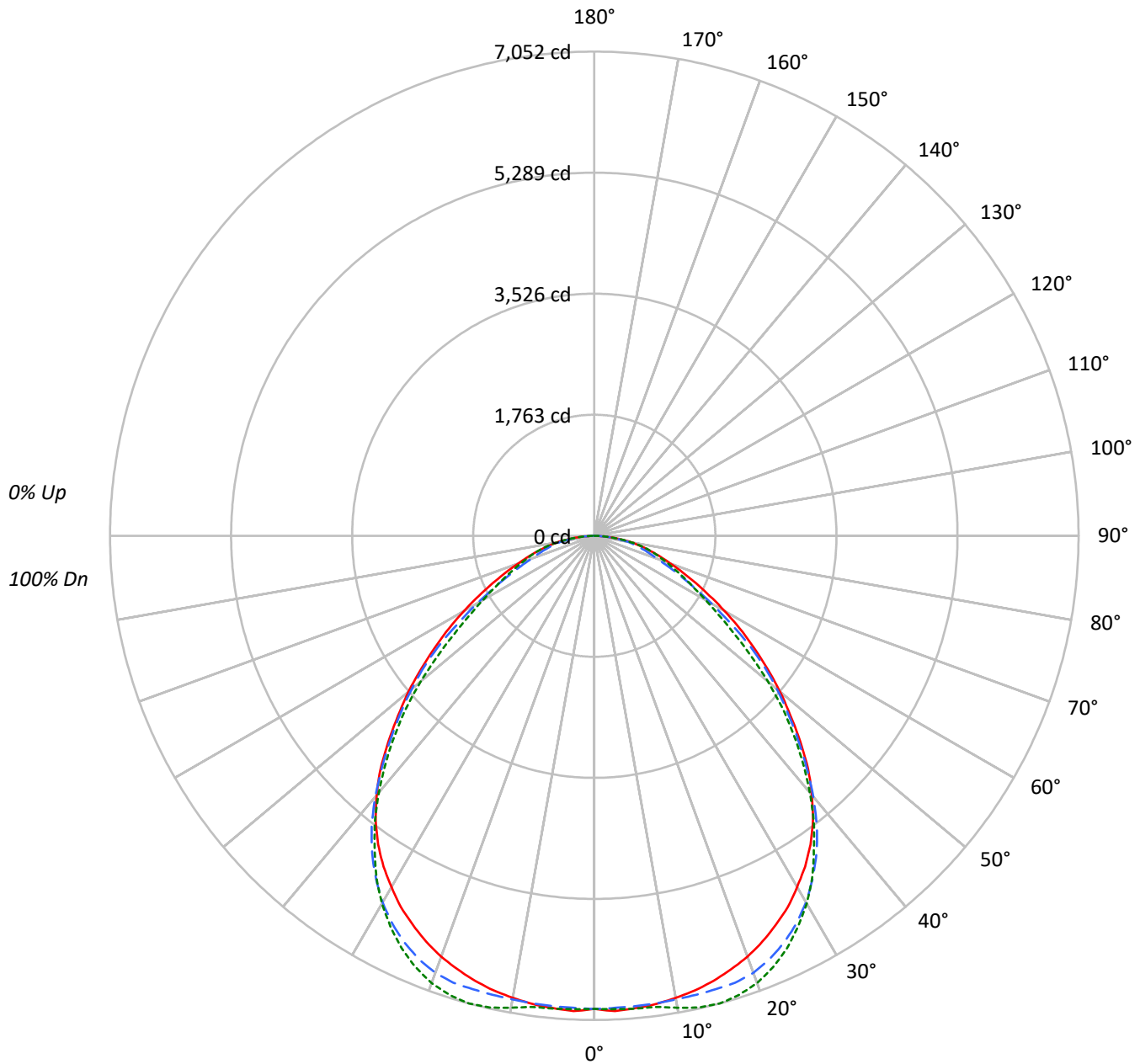
Input Watts (W): 110.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	11128	11128	11128
5°	11194	11148	11202
10°	11204	11242	11443
15°	11218	11429	11788
20°	11210	11638	11910
25°	11142	11648	11819
30°	11014	11494	11531
35°	10817	11122	10989
40°	10390	10454	10289
45°	9681	9580	9385
50°	8864	8721	8275
55°	7962	7667	6996
60°	7061	6343	6039
65°	6221	5270	5481
70°	5564	4574	5220
75°	5212	4447	5279
80°	5074	4496	5025
85°	4050	3557	3688



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.6	3.8
10°-20°	1934.0	11.3
20°-30°	2975.1	17.3
30°-40°	3472.2	20.2
40°-50°	3226.6	18.8
50°-60°	2391.6	13.9
60°-70°	1462.1	8.5
70°-80°	832.8	4.8
80°-90°	238.2	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°	5565.6	32.4
0°-40°	9037.8	52.6
0°-60°	14656.0	85.3
0°-90°	17189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6892	6892	6892	6892	6892	
5°	6906	6874	6878	6873	6912	657
15°	6711	6707	6837	6972	7052	1894
25°	6254	6302	6538	6594	6634	2881
35°	5488	5530	5642	5596	5575	3419
45°	4240	4265	4195	4130	4110	3267
55°	2828	2757	2724	2530	2485	2538
65°	1628	1479	1380	1417	1435	1630
75°	836	784	713	812	846	894
85°	219	213	192	199	199	252
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6892.3	6892.3	6892.3	6892.3	6892.3
2.5°	6929.6	6890.5	6883.4	6867.4	6902.9
5°	6906.5	6874.5	6878.0	6872.8	6911.9
7.5°	6879.8	6856.7	6871.0	6869.2	6920.8
10°	6833.7	6821.2	6856.7	6895.9	6979.4
12.5°	6782.1	6769.7	6847.9	6947.4	7038.1
15°	6711.0	6707.4	6837.2	6972.3	7052.3
17.5°	6622.1	6627.4	6824.7	6940.3	7011.4
20°	6524.3	6533.2	6773.2	6867.4	6931.4
22.5°	6398.1	6428.3	6673.6	6751.8	6801.6
25°	6254.1	6302.1	6538.5	6593.7	6634.5
27.5°	6099.4	6147.4	6371.4	6399.8	6423.0
30°	5907.4	5975.0	6165.2	6168.8	6184.7
32.5°	5711.9	5772.3	5918.1	5902.1	5905.6
35°	5487.9	5530.5	5642.5	5596.3	5575.0
37.5°	5230.1	5253.2	5324.3	5255.0	5251.4
40°	4929.7	4959.9	4959.9	4863.9	4881.7
42.5°	4609.7	4620.3	4575.9	4485.2	4499.4
45°	4239.9	4264.8	4195.4	4129.7	4110.1
47.5°	3873.7	3898.6	3825.7	3749.3	3715.5
50°	3528.8	3516.3	3472.0	3342.1	3294.2
52.5°	3171.5	3132.4	3114.6	2924.4	2869.3
55°	2828.4	2757.3	2723.5	2529.7	2485.2
57.5°	2510.1	2382.2	2318.2	2167.1	2149.3
60°	2186.7	2042.6	1964.4	1866.6	1870.2
62.5°	1893.3	1742.1	1648.0	1619.6	1632.0
65°	1628.4	1479.1	1379.5	1416.9	1434.6
67.5°	1388.4	1265.8	1153.8	1240.9	1258.6
70°	1178.7	1080.9	968.9	1096.9	1105.8
72.5°	1004.4	924.4	830.2	951.1	970.6
75°	835.5	784.0	712.9	812.4	846.2
77.5°	688.0	647.1	606.2	666.7	704.0
80°	545.7	504.9	483.5	515.5	540.4
82.5°	385.8	359.1	337.8	360.9	373.4
85°	218.6	213.3	192.0	199.1	199.1
87.5°	49.8	56.9	64.0	58.7	49.8
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)