

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: P730613

Luminaire Tested: **HBLED-LD5-18SE-W-A-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18SE-W-A-UNV-L835
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16005.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

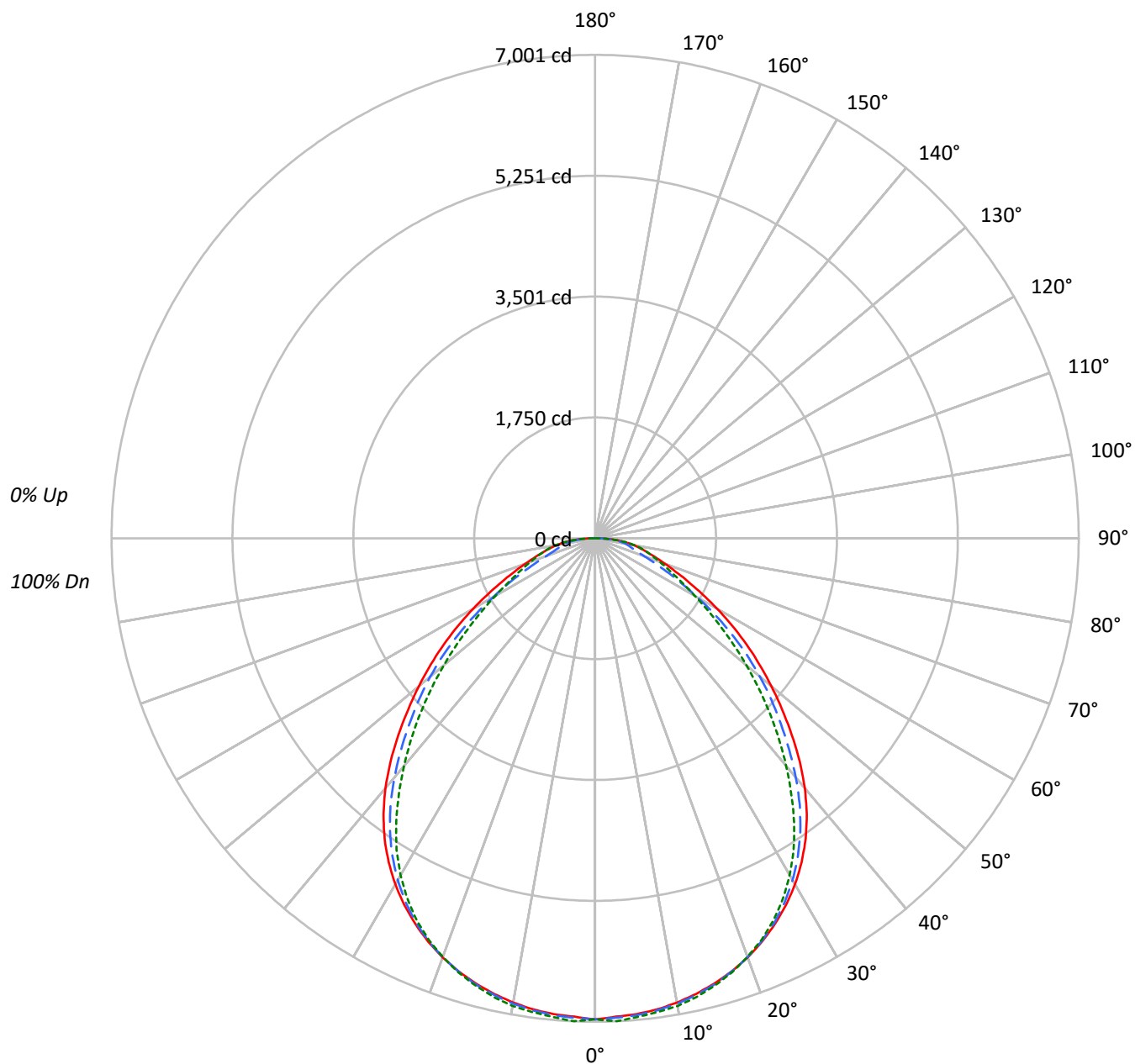
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11249	11249	11249
5°	11209	11235	11281
10°	11193	11219	11276
15°	11156	11178	11205
20°	11098	11090	11082
25°	10977	10939	10878
30°	10788	10657	10502
35°	10474	10211	9897
40°	9953	9526	9069
45°	9195	8682	8156
50°	8359	7818	7174
55°	7516	6768	6202
60°	6577	5531	5382
65°	5671	4350	4857
70°	5056	3550	4681
75°	4843	3465	4891
80°	5239	4099	5450
85°	5882	4935	5939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.3	4.1
10°-20°	1889.8	11.8
20°-30°	2826.9	17.7
30°-40°	3225.3	20.2
40°-50°	2935.9	18.3
50°-60°	2155.8	13.5
60°-70°	1272.9	8.0
70°-80°	729.5	4.6
80°-90°	308.4	1.9
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°	5377.1	33.6
0°-40°	8602.4	53.7
0°-60°	13694.1	85.6
0°-90°	16005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6967	6967	6967	6967	6967	
5°	6916	6959	6932	6959	6960	657
15°	6674	6711	6688	6711	6703	1883
25°	6162	6184	6141	6138	6106	2836
35°	5314	5288	5180	5092	5021	3311
45°	4027	4003	3802	3632	3572	3103
55°	2670	2547	2404	2230	2203	2388
65°	1484	1296	1138	1218	1271	1494
75°	776	666	556	724	784	837
85°	318	293	266	314	321	332
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6967.2	6967.2	6967.2	6967.2	6967.2
2.5°	6935.0	6975.1	6949.9	6977.4	7001.0
5°	6916.2	6959.4	6931.9	6959.4	6960.2
7.5°	6881.6	6921.7	6895.0	6924.8	6921.7
10°	6827.3	6867.5	6843.1	6875.3	6877.7
12.5°	6758.2	6796.7	6771.6	6808.5	6802.3
15°	6674.1	6711.1	6687.5	6711.1	6703.3
17.5°	6575.1	6609.0	6578.3	6604.3	6590.9
20°	6458.9	6487.1	6454.2	6478.5	6449.5
22.5°	6319.8	6344.9	6310.4	6323.7	6293.8
25°	6161.8	6183.8	6140.6	6138.3	6106.1
27.5°	5985.8	5997.6	5942.6	5923.7	5886.8
30°	5786.3	5789.4	5716.3	5681.0	5633.0
32.5°	5562.3	5554.5	5460.9	5408.3	5349.4
35°	5314.0	5288.1	5180.5	5091.7	5021.0
37.5°	5033.5	4992.7	4863.8	4732.6	4665.0
40°	4722.4	4674.4	4519.7	4357.0	4302.8
42.5°	4383.7	4342.9	4160.6	3990.8	3937.4
45°	4027.0	4003.4	3802.2	3631.7	3572.0
47.5°	3670.2	3653.0	3456.5	3282.9	3210.6
50°	3327.7	3289.9	3112.4	2922.2	2856.2
52.5°	2995.3	2918.2	2761.9	2567.0	2518.4
55°	2670.0	2546.6	2404.4	2230.0	2203.2
57.5°	2347.8	2188.3	2050.0	1919.6	1918.8
60°	2036.7	1854.4	1712.9	1644.5	1666.6
62.5°	1745.1	1558.1	1404.9	1409.6	1449.7
65°	1484.3	1295.7	1138.5	1217.9	1271.3
67.5°	1260.4	1080.4	920.9	1068.6	1119.7
70°	1071.0	908.3	752.0	936.6	991.6
72.5°	911.5	774.7	634.1	826.6	882.4
75°	776.3	665.5	555.5	724.5	784.1
77.5°	666.3	568.1	498.2	627.0	689.1
80°	563.4	477.0	440.8	532.8	586.1
82.5°	446.3	386.6	365.4	432.9	460.4
85°	317.5	293.1	266.4	314.3	320.6
87.5°	174.4	180.7	149.3	180.7	181.5
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)