

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: P730398

Luminaire Tested: **HBLED-LD5-15HE-W-A-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730398
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-LD5-15HE-W-A-UNV-L840
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14011.0 lumens
Efficiency: N/A
Efficacy: 153.6 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

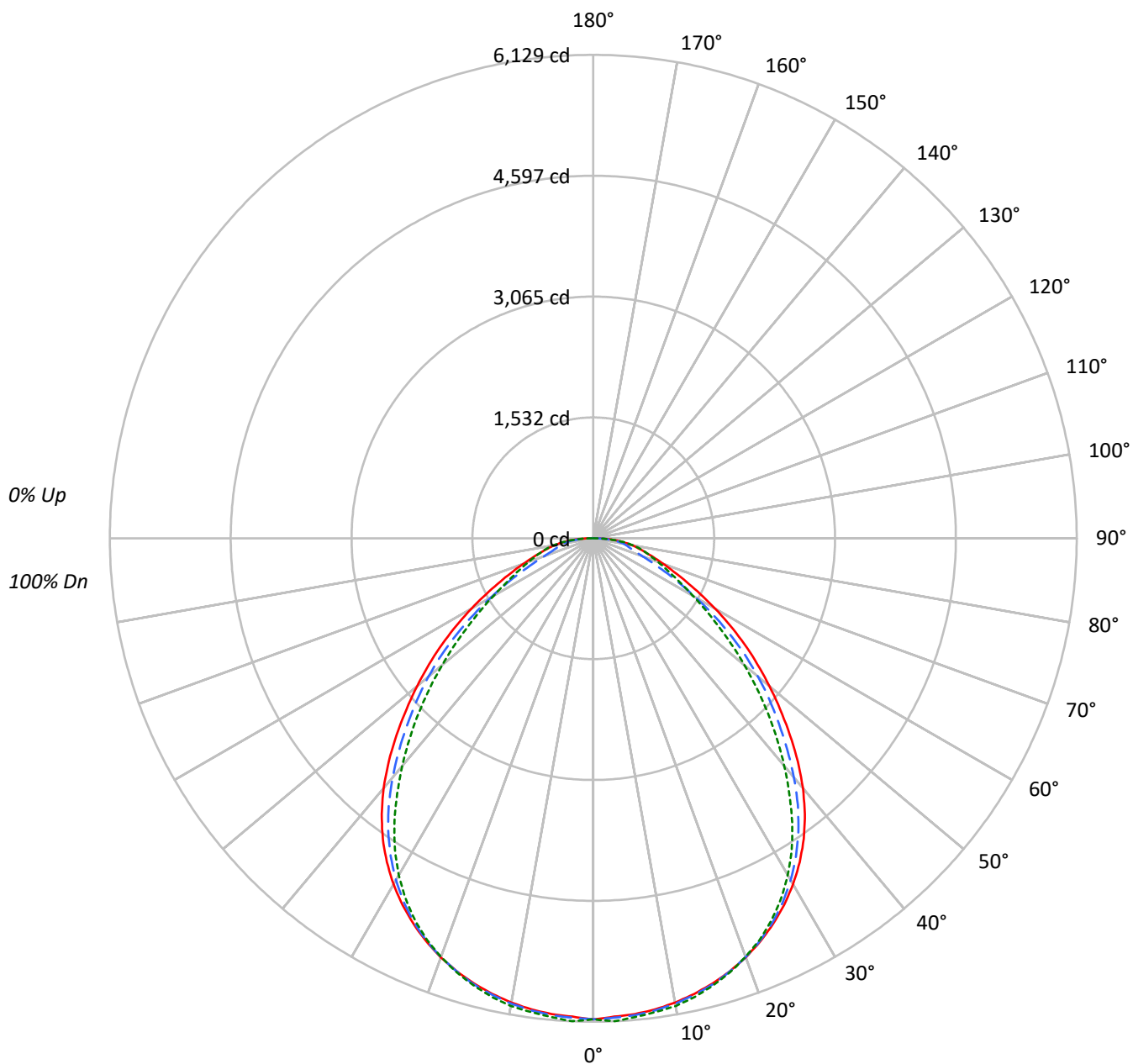
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	9848	9848	9848
5°	9813	9835	9875
10°	9799	9822	9871
15°	9766	9786	9809
20°	9715	9708	9701
25°	9610	9577	9523
30°	9444	9330	9194
35°	9169	8939	8664
40°	8713	8339	7939
45°	8050	7600	7140
50°	7317	6844	6281
55°	6579	5925	5429
60°	5757	4842	4711
65°	4964	3808	4252
70°	4426	3108	4098
75°	4240	3034	4282
80°	4586	3588	4771
85°	5148	4320	5198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.1	4.1
10°-20°	1654.4	11.8
20°-30°	2474.7	17.7
30°-40°	2823.5	20.2
40°-50°	2570.2	18.3
50°-60°	1887.2	13.5
60°-70°	1114.3	8.0
70°-80°	638.6	4.6
80°-90°	270.0	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°	4707.2	33.6
0°-40°	7530.7	53.7
0°-60°	11988.1	85.6
0°-90°	14011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6099	6099	6099	6099	6099	
5°	6054	6092	6068	6092	6093	576
15°	5843	5875	5854	5875	5868	1649
25°	5394	5413	5376	5374	5345	2483
35°	4652	4629	4535	4457	4395	2898
45°	3525	3505	3328	3179	3127	2717
55°	2337	2229	2105	1952	1929	2090
65°	1299	1134	997	1066	1113	1308
75°	680	583	486	634	686	733
85°	278	257	233	275	281	291
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6099.2	6099.2	6099.2	6099.2	6099.2
2.5°	6071.0	6106.1	6084.1	6108.2	6128.8
5°	6054.5	6092.4	6068.3	6092.4	6093.0
7.5°	6024.3	6059.3	6036.0	6062.1	6059.3
10°	5976.8	6011.9	5990.6	6018.8	6020.8
12.5°	5916.2	5949.9	5928.0	5960.3	5954.8
15°	5842.6	5875.0	5854.3	5875.0	5868.1
17.5°	5756.0	5785.6	5758.8	5781.5	5769.8
20°	5654.2	5678.9	5650.1	5671.4	5645.9
22.5°	5532.5	5554.4	5524.2	5535.8	5509.7
25°	5394.2	5413.4	5375.6	5373.5	5345.3
27.5°	5240.1	5250.4	5202.2	5185.7	5153.4
30°	5065.4	5068.1	5004.2	4973.2	4931.2
32.5°	4869.3	4862.5	4780.6	4734.5	4682.9
35°	4652.0	4629.3	4535.0	4457.3	4395.4
37.5°	4406.4	4370.7	4257.8	4143.0	4083.8
40°	4134.0	4092.1	3956.6	3814.2	3766.7
42.5°	3837.6	3801.8	3642.2	3493.6	3446.8
45°	3525.3	3504.6	3328.5	3179.3	3127.0
47.5°	3213.0	3197.9	3025.9	2873.9	2810.6
50°	2913.1	2880.0	2724.6	2558.1	2500.4
52.5°	2622.1	2554.7	2417.8	2247.2	2204.6
55°	2337.3	2229.4	2104.9	1952.2	1928.7
57.5°	2055.3	1915.7	1794.6	1680.4	1679.8
60°	1782.9	1623.3	1499.5	1439.7	1459.0
62.5°	1527.7	1364.0	1229.9	1234.0	1269.1
65°	1299.4	1134.3	996.7	1066.2	1113.0
67.5°	1103.3	945.8	806.2	935.5	980.2
70°	937.6	795.1	658.3	819.9	868.1
72.5°	797.9	678.2	555.1	723.6	772.5
75°	679.6	582.6	486.3	634.2	686.4
77.5°	583.3	497.3	436.1	548.9	603.2
80°	493.2	417.5	385.9	466.4	513.1
82.5°	390.7	338.4	319.9	379.0	403.1
85°	277.9	256.6	233.2	275.1	280.6
87.5°	152.7	158.2	130.7	158.2	158.9
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)