

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: P730403

Luminaire Tested: **HBLED-LD5-15HE-W-AI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-AI-UNV-L835
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13665.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

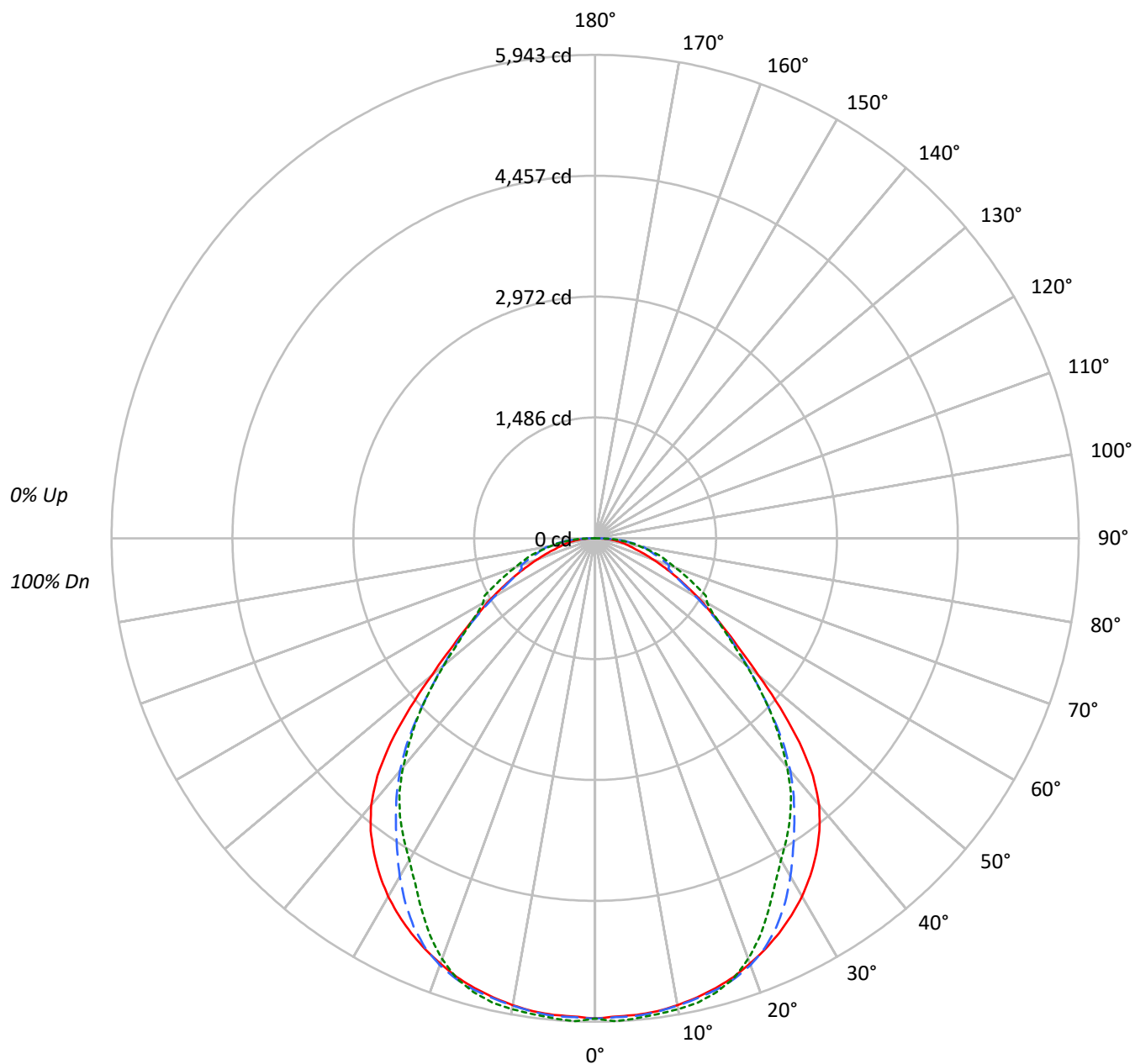
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9532	9532	9532
5°	9532	9552	9599
10°	9555	9567	9637
15°	9570	9606	9653
20°	9560	9596	9453
25°	9536	9393	8985
30°	9480	8950	8514
35°	9337	8412	8237
40°	9025	7865	7736
45°	8112	7023	6997
50°	6579	6117	6075
55°	5463	5361	5359
60°	4730	4592	5133
65°	4099	4074	5174
70°	3534	4570	4933
75°	3170	4684	5142
80°	3294	5514	5159
85°	3740	6354	5895



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.1	4.1
10°-20°	1623.4	11.9
20°-30°	2411.1	17.6
30°-40°	2737.3	20.0
40°-50°	2447.0	17.9
50°-60°	1691.9	12.4
60°-70°	1116.4	8.2
70°-80°	753.2	5.5
80°-90°	322.6	2.4
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°	4596.6	33.6
0°-40°	7333.9	53.7
0°-60°	11472.8	84.0
0°-90°	13665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5904	5904	5904	5904	5904	
5°	5881	5917	5894	5918	5922	560
15°	5725	5753	5747	5779	5775	1616
25°	5353	5404	5273	5116	5043	2466
35°	4737	4638	4268	4206	4179	2954
45°	3552	3252	3076	3099	3064	2702
55°	1941	1772	1905	1878	1904	1763
65°	1073	953	1066	1247	1354	1071
75°	508	639	751	802	824	555
85°	202	281	343	345	318	211
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5903.7	5903.7	5903.7	5903.7	5903.7
2.5°	5883.7	5920.4	5893.0	5918.4	5943.1
5°	5881.0	5917.1	5893.7	5917.7	5922.4
7.5°	5864.2	5897.7	5870.2	5893.7	5899.0
10°	5828.1	5867.6	5835.5	5871.6	5878.3
12.5°	5781.4	5821.5	5793.4	5842.8	5845.5
15°	5725.2	5752.6	5746.6	5778.7	5774.7
17.5°	5654.3	5685.8	5681.1	5689.1	5670.4
20°	5564.1	5599.5	5584.8	5548.0	5501.9
22.5°	5467.2	5509.9	5451.8	5358.9	5294.0
25°	5352.8	5403.6	5272.6	5115.5	5043.3
27.5°	5226.5	5271.9	5054.0	4861.5	4786.6
30°	5084.8	5104.1	4800.6	4617.4	4566.6
32.5°	4921.0	4892.9	4529.9	4408.9	4379.5
35°	4737.2	4637.5	4267.8	4205.7	4178.9
37.5°	4529.9	4347.4	4009.1	3980.4	3952.3
40°	4281.9	4012.4	3731.7	3713.0	3670.2
42.5°	3961.7	3648.1	3423.5	3401.4	3363.3
45°	3552.5	3251.7	3075.8	3099.3	3064.5
47.5°	3081.8	2853.9	2742.3	2806.5	2742.3
50°	2619.2	2466.2	2435.4	2493.6	2418.7
52.5°	2240.2	2102.5	2166.0	2176.0	2131.3
55°	1940.7	1771.6	1904.6	1877.9	1903.9
57.5°	1680.0	1490.8	1654.6	1623.8	1713.4
60°	1464.7	1252.2	1422.0	1415.3	1589.7
62.5°	1253.5	1083.7	1220.0	1318.3	1532.9
65°	1073.0	952.6	1066.3	1246.8	1354.4
67.5°	899.8	854.4	975.3	1075.6	1193.3
70°	748.7	772.1	968.0	949.3	1044.9
72.5°	621.7	701.3	854.4	857.7	925.2
75°	508.1	639.1	750.8	802.2	824.3
77.5°	422.5	579.6	677.9	696.0	674.5
80°	354.3	510.7	593.0	585.0	554.8
82.5°	286.1	387.1	467.3	474.7	439.2
85°	201.9	280.8	343.0	345.0	318.2
87.5°	108.3	173.2	207.9	213.9	197.9
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)