

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: P730430

Luminaire Tested: **HBLED-LD5-15HE-W-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-UNV-L735
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16208.0 lumens
Efficiency: N/A
Efficacy: 177.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

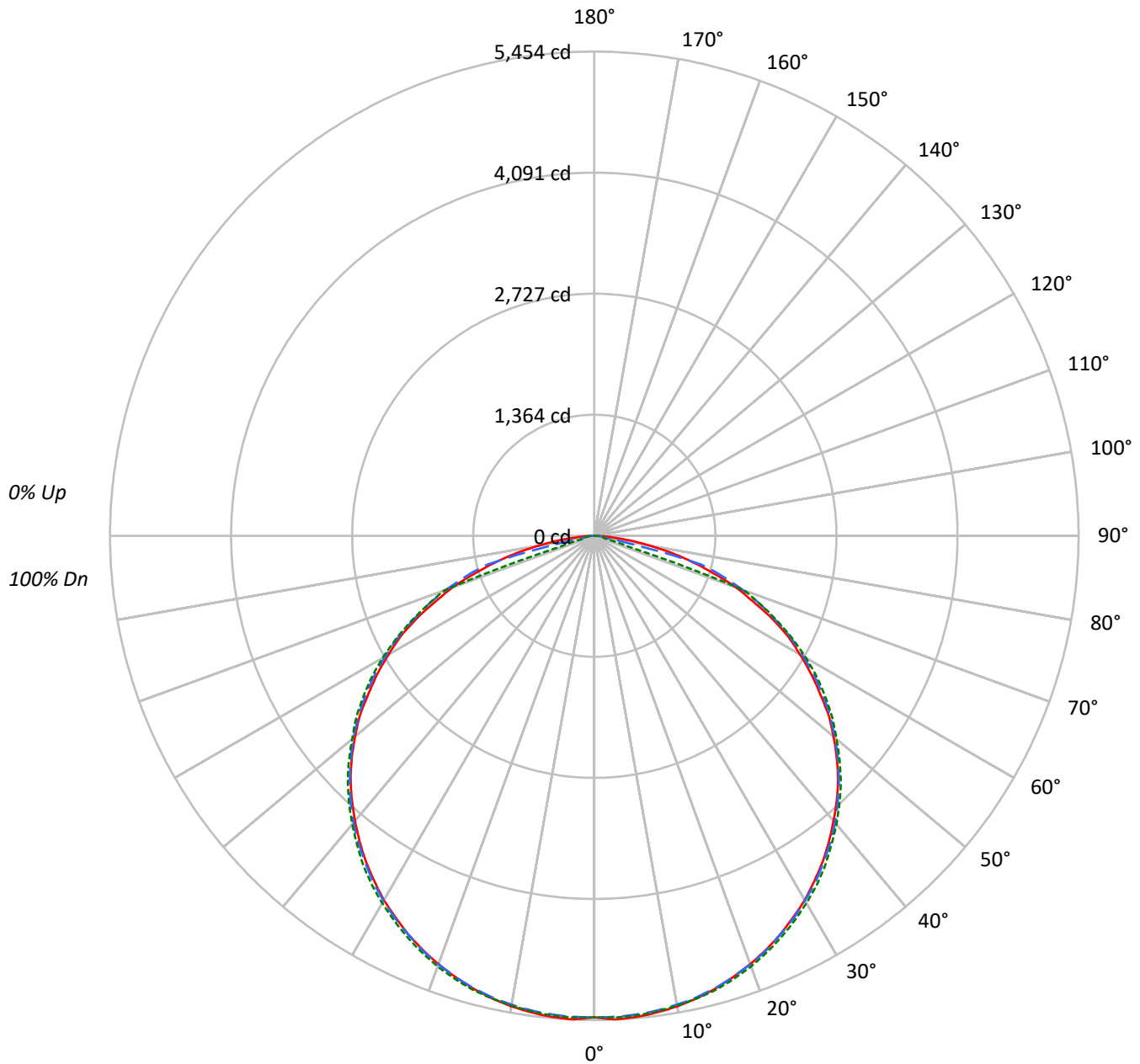
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8757	8757	8757
5°	8820	8775	8790
10°	8825	8793	8811
15°	8824	8811	8852
20°	8823	8825	8871
25°	8827	8831	8885
30°	8837	8848	8907
35°	8835	8864	8938
40°	8837	8893	8941
45°	8861	8894	8966
50°	8834	8886	8944
55°	8737	8860	8955
60°	8638	8779	8888
65°	8447	8622	8687
70°	8019	8361	8464
75°	7153	7755	934
80°	5752	966	1022
85°	3827	1254	1276



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.1	3.2
10°-20°	1488.5	9.2
20°-30°	2286.9	14.1
30°-40°	2815.3	17.4
40°-50°	3001.4	18.5
50°-60°	2805.7	17.3
60°-70°	2221.1	13.7
70°-80°	945.0	5.8
80°-90°	129.0	0.8
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°	4290.5	26.5
0°-40°	7105.8	43.8
0°-60°	12913.0	79.7
0°-90°	16208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5424	5424	5424	5424	5424	
5°	5442	5418	5414	5392	5424	517
15°	5279	5269	5271	5257	5296	1490
25°	4955	4949	4957	4955	4988	2284
35°	4482	4475	4497	4513	4534	2805
45°	3881	3859	3895	3911	3927	2990
55°	3104	3114	3147	3158	3181	2779
65°	2211	2230	2257	2274	2274	2175
75°	1147	1196	1243	203	150	1213
85°	207	62	68	70	69	269
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5423.7	5423.7	5423.7	5423.7	5423.7
2.5°	5453.9	5428.5	5423.7	5401.9	5430.9
5°	5441.8	5417.6	5414.0	5392.2	5423.7
7.5°	5416.4	5397.1	5394.7	5371.7	5403.1
10°	5382.6	5364.5	5363.2	5342.7	5374.1
12.5°	5336.7	5321.0	5325.8	5305.3	5336.7
15°	5278.7	5269.0	5271.4	5256.9	5295.6
17.5°	5208.6	5203.8	5208.6	5197.7	5232.8
20°	5134.9	5128.9	5136.1	5130.1	5162.7
22.5°	5049.1	5041.9	5056.4	5047.9	5078.1
25°	4954.9	4948.8	4957.3	4954.9	4987.5
27.5°	4847.3	4841.3	4859.4	4860.6	4886.0
30°	4739.8	4731.4	4745.9	4751.9	4777.3
32.5°	4611.7	4609.3	4631.1	4635.9	4662.5
35°	4482.5	4475.2	4497.0	4512.7	4534.4
37.5°	4341.1	4339.9	4362.9	4376.1	4387.0
40°	4192.5	4186.5	4219.1	4232.4	4242.0
42.5°	4041.5	4028.2	4059.6	4076.5	4087.4
45°	3880.8	3859.0	3895.3	3911.0	3926.7
47.5°	3704.4	3685.0	3720.1	3737.0	3747.9
50°	3517.1	3499.0	3537.6	3552.1	3560.6
52.5°	3328.6	3310.5	3351.6	3363.7	3384.2
55°	3103.9	3113.6	3147.4	3158.3	3181.2
57.5°	2896.1	2904.5	2937.2	2950.5	2977.0
60°	2675.0	2688.3	2718.5	2731.8	2752.3
62.5°	2461.1	2462.3	2498.6	2504.6	2520.3
65°	2211.0	2230.4	2256.9	2273.9	2273.9
67.5°	1931.9	1979.1	2025.0	2021.3	2031.0
70°	1698.7	1716.9	1771.2	1779.7	1793.0
72.5°	1406.4	1453.5	1513.9	1130.9	384.2
75°	1146.6	1196.1	1243.2	203.0	149.8
77.5°	890.5	929.1	413.2	116.0	113.6
80°	618.6	680.2	103.9	106.3	109.9
82.5°	407.2	332.3	85.8	94.2	95.4
85°	206.6	61.6	67.7	70.1	68.9
87.5°	67.7	37.5	38.7	39.9	41.1
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)