

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: P730407

Luminaire Tested: **HBLED-LD5-15HE-W-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CL-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15063.0 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

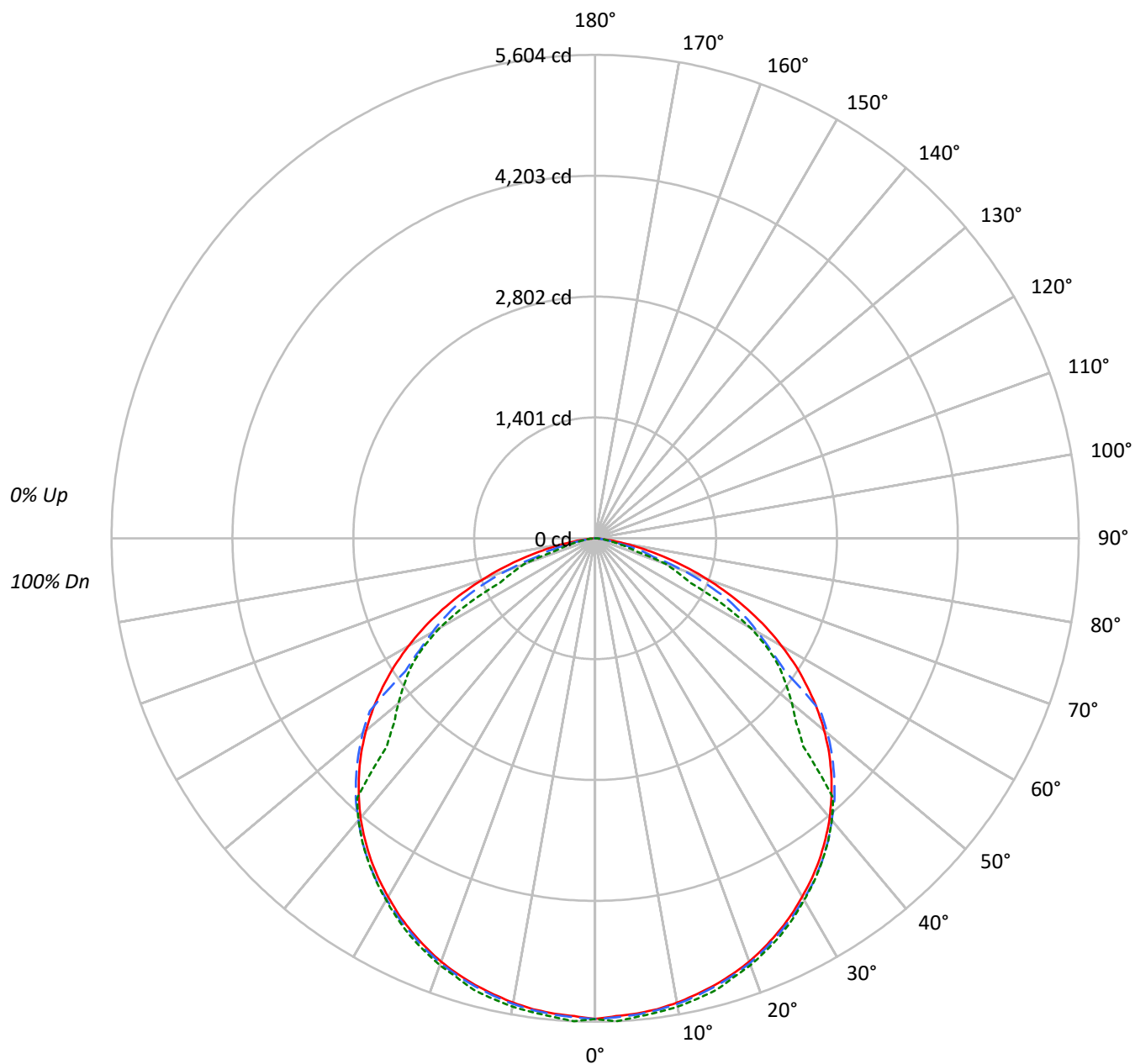
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8996	8996	8996
5°	8963	8983	9027
10°	8962	8988	9040
15°	8962	8989	9062
20°	8973	9007	9049
25°	8963	8997	9051
30°	8946	9012	9032
35°	8942	9023	9030
40°	8914	8992	8992
45°	8837	8944	7793
50°	8701	8832	7478
55°	8454	7560	7345
60°	8057	7028	6710
65°	7451	6524	4647
70°	6488	5076	4141
75°	5125	3407	2226
80°	3299	1627	1387
85°	1358	993	1093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.5	3.5
10°-20°	1523.4	10.1
20°-30°	2335.6	15.5
30°-40°	2862.7	19.0
40°-50°	2943.0	19.5
50°-60°	2511.7	16.7
60°-70°	1660.6	11.0
70°-80°	615.2	4.1
80°-90°	82.3	0.5
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°	4387.5	29.1
0°-40°	7250.2	48.1
0°-60°	12705.0	84.3
0°-90°	15063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5572	5572	5572	5572	5572	
5°	5530	5569	5543	5564	5570	526
15°	5361	5394	5378	5418	5421	1514
25°	5031	5058	5050	5096	5081	2320
35°	4536	4568	4578	4606	4581	2838
45°	3870	3909	3917	3911	3413	2983
55°	3003	3058	2686	2608	2609	2680
65°	1950	1967	1708	1404	1216	1923
75°	822	720	546	367	357	881
85°	73	52	54	58	59	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5571.7	5571.7	5571.7	5571.7	5571.7
2.5°	5544.6	5579.2	5558.8	5584.6	5604.3
5°	5530.4	5569.0	5542.6	5564.3	5569.7
7.5°	5505.9	5541.9	5517.4	5546.0	5541.9
10°	5466.6	5499.1	5482.2	5512.1	5514.0
12.5°	5416.4	5448.9	5433.3	5470.0	5469.3
15°	5361.4	5394.0	5377.7	5418.4	5421.2
17.5°	5297.0	5326.9	5314.6	5352.0	5337.0
20°	5222.3	5248.1	5242.0	5277.3	5266.4
22.5°	5130.8	5157.2	5151.2	5191.9	5175.5
25°	5031.1	5057.5	5050.0	5095.5	5080.6
27.5°	4923.2	4948.3	4947.6	4990.4	4967.3
30°	4798.4	4831.6	4833.7	4871.6	4844.5
32.5°	4674.9	4706.1	4714.9	4742.8	4719.7
35°	4536.5	4567.7	4577.9	4606.4	4581.3
37.5°	4387.2	4413.7	4432.0	4453.0	4433.4
40°	4229.2	4252.9	4266.5	4292.2	4266.5
42.5°	4052.8	4086.7	4105.7	4124.0	4082.0
45°	3870.3	3908.9	3917.1	3911.0	3413.0
47.5°	3677.0	3719.0	3723.8	3247.6	3156.0
50°	3463.9	3516.9	3516.2	3001.2	2976.9
52.5°	3242.1	3293.0	3291.0	2808.6	2792.3
55°	3003.3	3058.3	2685.8	2607.8	2609.2
57.5°	2759.7	2799.1	2409.7	2413.1	2368.3
60°	2495.2	2532.5	2176.3	2155.3	2077.9
62.5°	2230.0	2245.5	1950.4	1847.9	1700.8
65°	1950.4	1966.7	1707.6	1404.3	1216.4
67.5°	1663.5	1679.7	1417.2	1044.8	1030.5
70°	1374.4	1241.5	1075.3	870.4	877.2
72.5°	1089.5	953.8	702.8	674.3	487.1
75°	821.6	719.8	546.1	367.0	356.8
77.5°	571.9	495.9	292.4	250.3	234.1
80°	354.8	249.0	175.0	155.3	149.2
82.5°	179.8	143.2	95.0	95.0	95.0
85°	73.3	52.3	53.6	58.3	59.0
87.5°	15.6	21.0	25.8	26.5	25.8
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)