

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: P730420

Luminaire Tested: **HBLED-LD5-15HE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CLI-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15887.0 lumens
Efficiency: N/A
Efficacy: 174.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

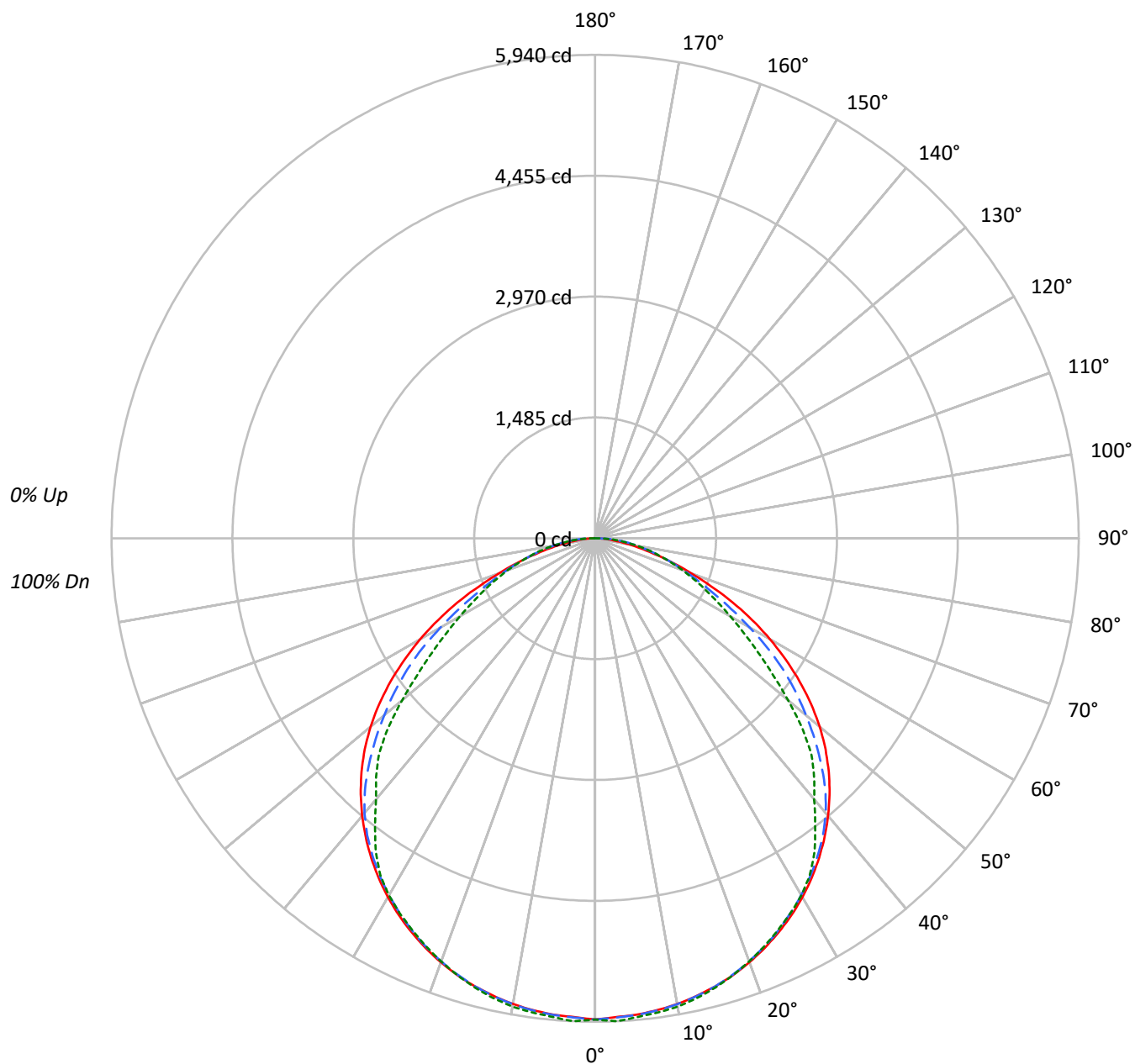
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9547	9547	9547
5°	9522	9529	9571
10°	9527	9532	9582
15°	9528	9527	9550
20°	9526	9504	9506
25°	9511	9476	9465
30°	9496	9439	9444
35°	9452	9393	9260
40°	9384	9288	8820
45°	9265	8968	8576
50°	9042	8491	7767
55°	8630	7941	6868
60°	8009	7085	6194
65°	7119	6134	5696
70°	5908	5482	5368
75°	4779	5017	5080
80°	3795	4799	4779
85°	2971	5156	4918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.8	3.5
10°-20°	1613.0	10.2
20°-30°	2459.6	15.5
30°-40°	2975.7	18.7
40°-50°	3014.2	19.0
50°-60°	2491.3	15.7
60°-70°	1645.4	10.4
70°-80°	858.0	5.4
80°-90°	269.0	1.7
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°	4633.4	29.2
0°-40°	7609.1	47.9
0°-60°	13114.6	82.5
0°-90°	15887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5913	5913	5913	5913	5913	
5°	5875	5910	5879	5905	5905	559
15°	5700	5729	5700	5717	5713	1610
25°	5339	5360	5319	5333	5313	2462
35°	4795	4802	4765	4759	4698	2999
45°	4058	4047	3928	3806	3756	3124
55°	3066	3020	2821	2547	2440	2733
65°	1863	1809	1606	1501	1491	1840
75°	766	779	804	815	814	834
85°	160	207	278	276	266	195
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5913.2	5913.2	5913.2	5913.2	5913.2
2.5°	5888.4	5923.2	5894.0	5919.6	5940.2
5°	5874.9	5910.4	5879.2	5904.7	5905.4
7.5°	5848.7	5884.1	5852.2	5877.7	5877.0
10°	5811.0	5844.4	5813.8	5844.4	5844.4
12.5°	5759.9	5792.5	5762.8	5791.1	5786.8
15°	5700.3	5729.4	5699.6	5717.3	5713.1
17.5°	5630.0	5656.3	5622.9	5637.8	5629.3
20°	5544.1	5568.2	5531.4	5550.5	5532.7
22.5°	5447.5	5470.2	5432.6	5446.9	5426.9
25°	5339.0	5360.3	5319.1	5332.6	5312.7
27.5°	5221.8	5241.0	5194.8	5211.2	5195.5
30°	5093.3	5102.6	5062.8	5084.1	5065.7
32.5°	4949.9	4955.6	4920.8	4940.0	4908.8
35°	4795.2	4801.6	4765.4	4759.0	4697.9
37.5°	4629.8	4632.6	4598.6	4541.0	4440.2
40°	4452.3	4450.9	4406.9	4274.1	4184.7
42.5°	4262.7	4262.1	4184.7	4033.5	3982.4
45°	4057.6	4047.0	3927.7	3805.6	3755.9
47.5°	3837.6	3826.2	3659.4	3562.2	3449.3
50°	3599.8	3579.9	3380.4	3247.6	3092.2
52.5°	3343.5	3312.9	3109.9	2895.6	2748.6
55°	3065.9	3020.5	2821.1	2547.0	2439.9
57.5°	2777.0	2709.6	2515.8	2248.9	2161.6
60°	2480.3	2405.0	2194.2	1974.9	1918.0
62.5°	2175.0	2100.5	1885.4	1720.0	1688.8
65°	1863.4	1809.4	1605.7	1501.4	1490.8
67.5°	1544.0	1524.8	1369.3	1316.1	1311.8
70°	1251.5	1248.0	1161.3	1134.3	1137.2
72.5°	1000.2	996.0	983.2	969.7	970.4
75°	766.0	779.4	804.3	814.9	814.3
77.5°	571.4	599.2	651.6	672.9	669.4
80°	408.2	449.4	516.1	536.0	514.0
82.5°	271.9	315.2	394.0	396.8	379.1
85°	160.4	206.6	278.3	276.1	265.5
87.5°	79.5	124.2	166.8	159.7	152.6
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)