

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: P730504

Luminaire Tested: **HBLED-LD5-15SE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730504
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-LD5-15SE-W-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16906.0 lumens
Efficiency: N/A
Efficacy: 179.9 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

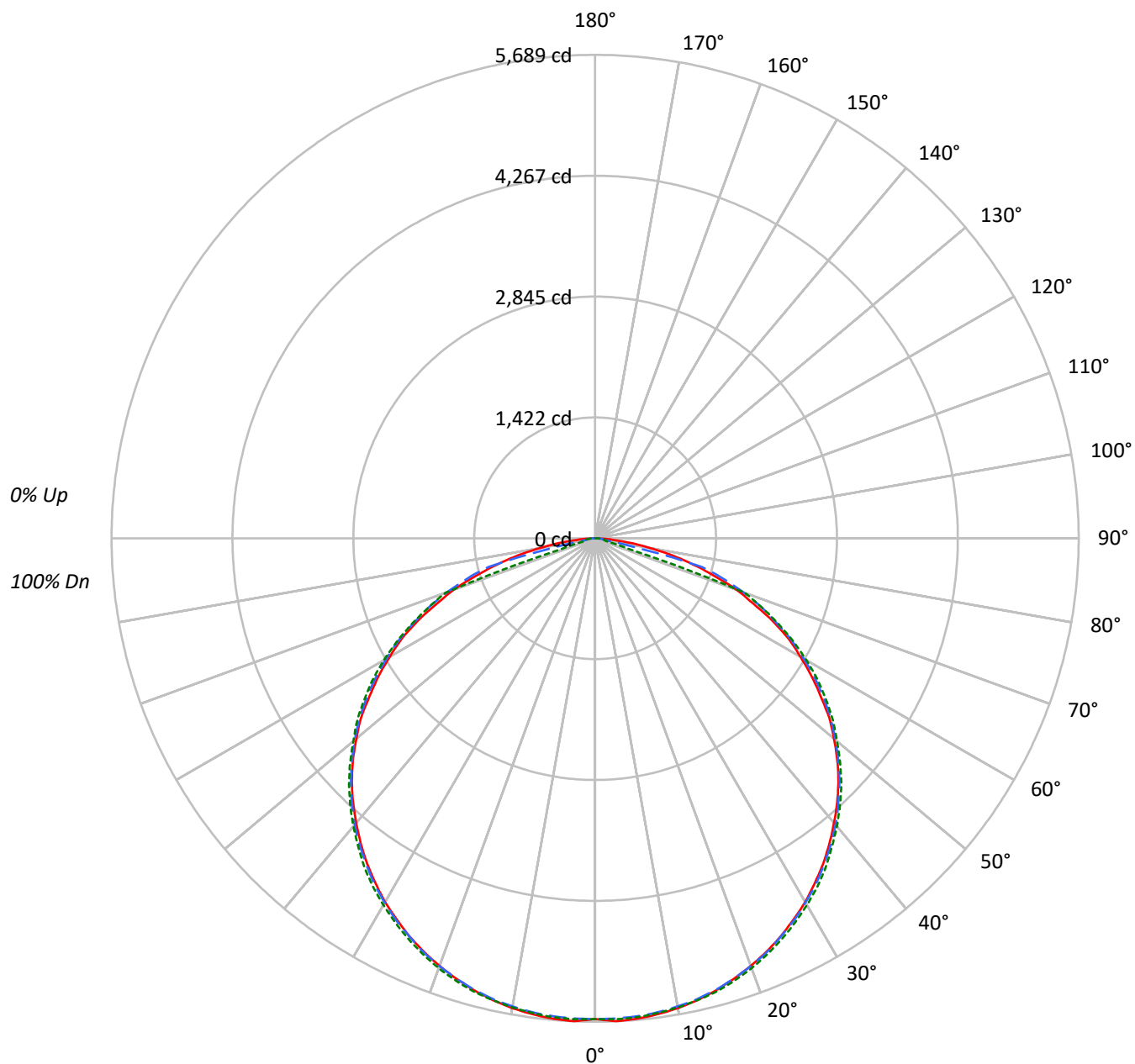
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730504

CATALOG NUMBER: HBLED-LD5-15SE-W-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730504

CATALOG NUMBER: HBLED-LD5-15SE-W-UNV-L750

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°	9134	9134	9134
5°	9200	9153	9169
10°	9205	9172	9190
15°	9204	9191	9233
20°	9203	9205	9253
25°	9207	9212	9268
30°	9217	9229	9290
35°	9216	9245	9322
40°	9217	9276	9326
45°	9243	9277	9352
50°	9215	9269	9329
55°	9114	9241	9341
60°	9010	9156	9270
65°	8811	8994	9061
70°	8365	8722	8829
75°	7461	8090	975
80°	5999	1008	1066
85°	3992	1308	1330



TEST NUMBER: P730504

CATALOG NUMBER: HBLED-LD5-15SE-W-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.3	3.2
10°-20°	1552.6	9.2
20°-30°	2385.4	14.1
30°-40°	2936.5	17.4
40°-50°	3130.7	18.5
50°-60°	2926.5	17.3
60°-70°	2316.7	13.7
70°-80°	985.7	5.8
80°-90°	134.6	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°	4475.3	26.5
0°-40°	7411.8	43.8
0°-60°	13469.0	79.7
0°-90°	16906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5657	5657	5657	5657	5657	
5°	5676	5651	5647	5624	5657	540
15°	5506	5496	5498	5483	5524	1555
25°	5168	5162	5171	5168	5202	2383
35°	4676	4668	4691	4707	4730	2926
45°	4048	4025	4063	4079	4096	3119
55°	3238	3248	3283	3294	3318	2899
65°	2306	2326	2354	2372	2372	2269
75°	1196	1248	1297	212	156	1265
85°	216	64	71	73	72	281
90°	0	0	0	0	0	



TEST NUMBER: P730504

CATALOG NUMBER: HBLED-LD5-15SE-W-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5657.2	5657.2	5657.2	5657.2	5657.2
2.5°	5688.7	5662.3	5657.2	5634.5	5664.8
5°	5676.1	5650.9	5647.1	5624.5	5657.2
7.5°	5649.7	5629.5	5627.0	5603.0	5635.8
10°	5614.4	5595.5	5594.2	5572.8	5605.6
12.5°	5566.5	5550.1	5555.2	5533.7	5566.5
15°	5506.0	5495.9	5498.4	5483.3	5523.6
17.5°	5432.9	5427.9	5432.9	5421.6	5458.1
20°	5356.0	5349.7	5357.3	5351.0	5385.0
22.5°	5266.6	5259.0	5274.1	5265.3	5296.8
25°	5168.3	5162.0	5170.8	5168.3	5202.3
27.5°	5056.1	5049.8	5068.7	5070.0	5096.4
30°	4943.9	4935.1	4950.2	4956.5	4983.0
32.5°	4810.3	4807.8	4830.5	4835.6	4863.3
35°	4675.5	4667.9	4690.6	4707.0	4729.7
37.5°	4528.1	4526.8	4550.7	4564.6	4575.9
40°	4373.0	4366.7	4400.8	4414.6	4424.7
42.5°	4215.5	4201.7	4234.4	4252.1	4263.4
45°	4047.9	4025.2	4063.0	4079.4	4095.8
47.5°	3863.9	3843.7	3880.3	3897.9	3909.3
50°	3668.6	3649.7	3690.0	3705.1	3713.9
52.5°	3472.0	3453.1	3495.9	3508.5	3529.9
55°	3237.6	3247.6	3282.9	3294.3	3318.2
57.5°	3020.8	3029.6	3063.7	3077.5	3105.2
60°	2790.2	2804.0	2835.5	2849.4	2870.8
62.5°	2567.1	2568.4	2606.2	2612.5	2628.9
65°	2306.2	2326.4	2354.1	2371.8	2371.8
67.5°	2015.1	2064.3	2112.2	2108.4	2118.5
70°	1771.9	1790.8	1847.5	1856.3	1870.2
72.5°	1466.9	1516.1	1579.1	1179.6	400.8
75°	1196.0	1247.6	1296.8	211.7	156.3
77.5°	928.8	969.1	431.0	121.0	118.5
80°	645.2	709.5	108.4	110.9	114.7
82.5°	424.7	346.6	89.5	98.3	99.6
85°	215.5	64.3	70.6	73.1	71.8
87.5°	70.6	39.1	40.3	41.6	42.8
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)