

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: P730413

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
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-WG-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14812.0 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

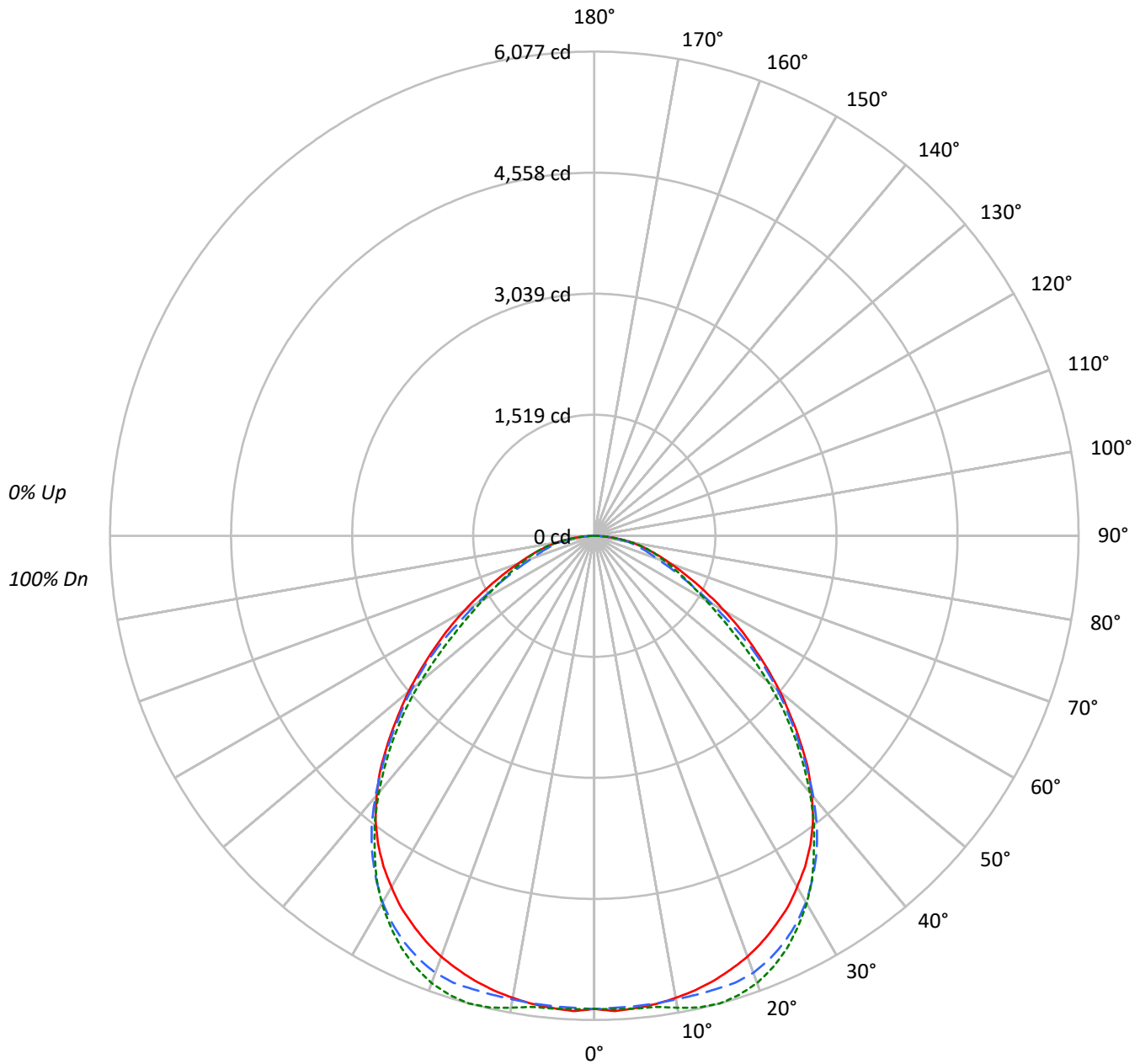
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730413

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730413

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L740

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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9589	9589	9589
5°	9646	9606	9653
10°	9654	9687	9860
15°	9666	9848	10158
20°	9660	10028	10263
25°	9601	10038	10185
30°	9491	9905	9936
35°	9321	9584	9469
40°	8953	9008	8866
45°	8343	8255	8087
50°	7638	7515	7130
55°	6861	6606	6028
60°	6085	5466	5204
65°	5361	4542	4723
70°	4795	3941	4498
75°	4492	3832	4549
80°	4373	3874	4330
85°	3490	3066	3179



TEST NUMBER: P730413

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.8	3.8
10°-20°	1666.5	11.3
20°-30°	2563.7	17.3
30°-40°	2992.0	20.2
40°-50°	2780.4	18.8
50°-60°	2060.9	13.9
60°-70°	1259.9	8.5
70°-80°	717.6	4.8
80°-90°	205.3	1.4
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°	4796.0	32.4
0°-40°	7788.0	52.6
0°-60°	12629.3	85.3
0°-90°	14812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5939	5939	5939	5939	5939	
5°	5952	5924	5927	5922	5956	566
15°	5783	5780	5892	6008	6077	1632
25°	5389	5431	5634	5682	5717	2483
35°	4729	4766	4862	4822	4804	2947
45°	3654	3675	3615	3559	3542	2815
55°	2437	2376	2347	2180	2142	2187
65°	1403	1274	1189	1221	1236	1404
75°	720	676	614	700	729	771
85°	188	184	166	172	172	217
90°	0	0	0	0	0	



TEST NUMBER: P730413

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5939.2	5939.2	5939.2	5939.2	5939.2
2.5°	5971.4	5937.7	5931.5	5917.8	5948.3
5°	5951.5	5923.8	5926.9	5922.4	5956.1
7.5°	5928.4	5908.6	5920.8	5919.2	5963.7
10°	5888.7	5877.9	5908.6	5942.3	6014.3
12.5°	5844.2	5833.5	5900.9	5986.7	6064.8
15°	5782.9	5779.8	5891.7	6008.1	6077.1
17.5°	5706.3	5710.9	5880.9	5980.6	6041.8
20°	5622.1	5629.7	5836.5	5917.8	5972.9
22.5°	5513.3	5539.4	5750.7	5818.1	5861.0
25°	5389.2	5430.6	5634.3	5681.8	5717.0
27.5°	5256.0	5297.3	5490.3	5514.8	5534.8
30°	5090.5	5148.7	5312.6	5315.7	5329.5
32.5°	4922.0	4974.1	5099.7	5085.9	5088.9
35°	4729.0	4765.7	4862.2	4822.4	4804.0
37.5°	4506.9	4526.8	4588.0	4528.3	4525.2
40°	4247.9	4274.0	4274.0	4191.3	4206.6
42.5°	3972.2	3981.4	3943.1	3865.0	3877.2
45°	3653.6	3675.0	3615.3	3558.6	3541.8
47.5°	3338.0	3359.4	3296.6	3230.8	3201.7
50°	3040.8	3030.1	2991.8	2880.0	2838.6
52.5°	2732.9	2699.2	2683.9	2520.0	2472.5
55°	2437.2	2376.0	2346.9	2179.9	2141.6
57.5°	2163.0	2052.8	1997.6	1867.4	1852.1
60°	1884.3	1760.2	1692.8	1608.5	1611.5
62.5°	1631.5	1501.2	1420.1	1395.6	1406.3
65°	1403.2	1274.5	1188.8	1220.9	1236.2
67.5°	1196.4	1090.7	994.2	1069.3	1084.6
70°	1015.7	931.4	834.9	945.2	952.9
72.5°	865.5	796.6	715.4	819.5	836.4
75°	720.0	675.6	614.3	700.1	729.2
77.5°	592.8	557.6	522.4	574.5	606.6
80°	470.3	435.1	416.7	444.2	465.7
82.5°	332.4	309.5	291.1	311.0	321.7
85°	188.4	183.8	165.5	171.6	171.6
87.5°	42.9	49.0	55.2	50.6	42.9
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)