

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: P730437

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-WG-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15815.0 lumens
Efficiency: N/A
Efficacy: 173.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

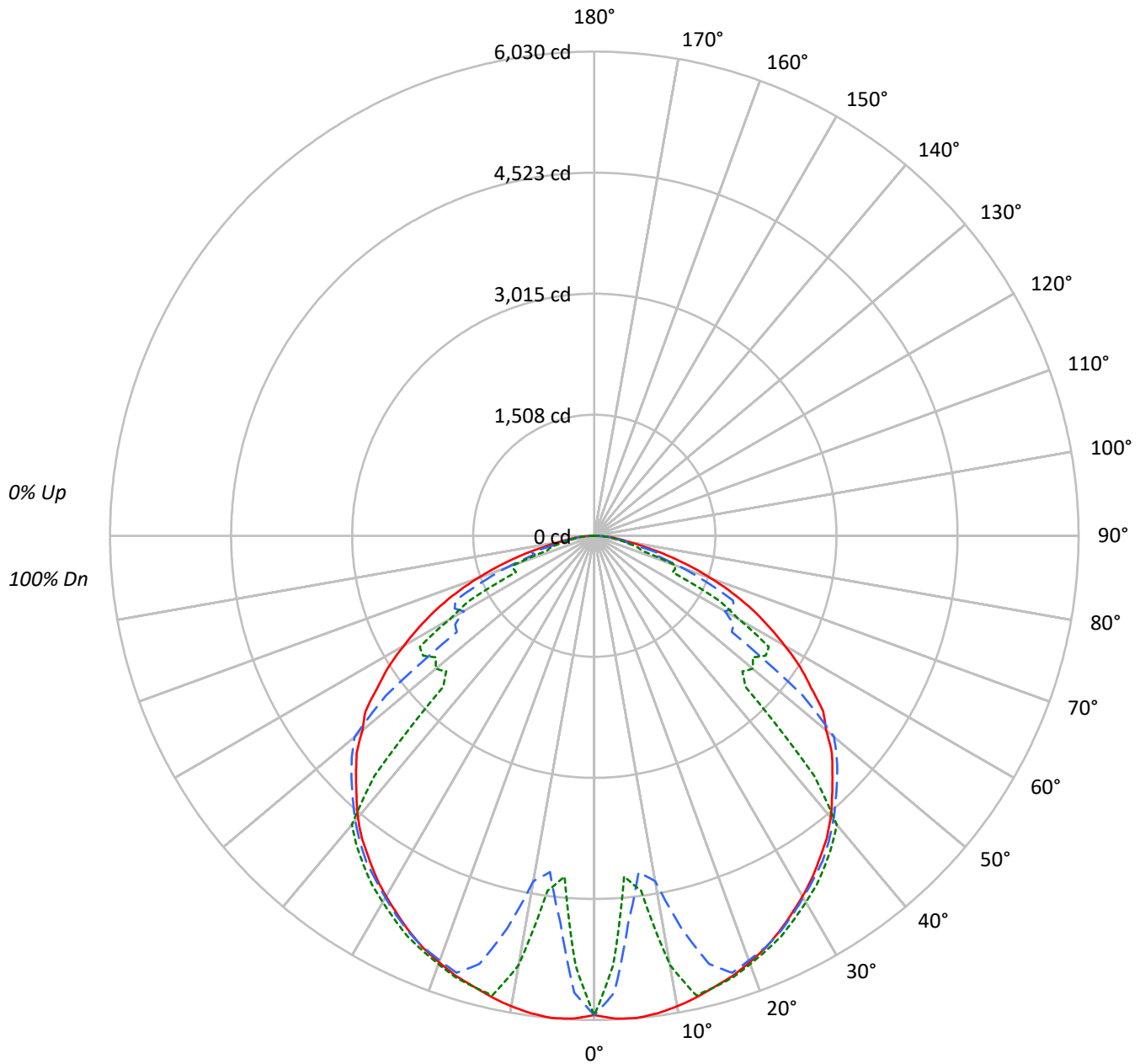
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9639	9639	9639
5°	9773	7851	6904
10°	9756	7160	8905
15°	9712	9228	9721
20°	9713	9668	9754
25°	9695	9717	9806
30°	9667	9699	9824
35°	9652	9759	9873
40°	9653	9758	9898
45°	9577	9765	6068
50°	9469	9784	6468
55°	9269	5883	7330
60°	8842	6064	6712
65°	8285	7281	4107
70°	7316	5516	5034
75°	5829	5014	3491
80°	4016	3623	3000
85°	3848	3346	3173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.4	3.0
10°-20°	1495.5	9.5
20°-30°	2460.4	15.6
30°-40°	3093.7	19.6
40°-50°	3034.1	19.2
50°-60°	2513.9	15.9
60°-70°	1773.1	11.2
70°-80°	773.6	4.9
80°-90°	193.3	1.2
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°	4433.3	28.0
0°-40°	7527.0	47.6
0°-60°	13075.0	82.7
0°-90°	15815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5970	5970	5970	5970	5970	
5°	6030	5612	4844	4392	4260	573
15°	5810	4035	5521	5833	5816	1643
25°	5442	4980	5454	5491	5504	2508
35°	4897	4894	4951	4984	5009	3068
45°	4194	4207	4276	3788	2658	3238
55°	3293	3401	2090	2376	2604	2946
65°	2169	2296	1906	1466	1075	2132
75°	934	916	804	525	560	1002
85°	208	185	181	173	171	215
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5969.7	5969.7	5969.7	5969.7	5969.7
2.5°	6018.9	5894.0	5695.5	5445.7	5357.2
5°	6029.6	5612.0	4844.0	4392.1	4260.0
7.5°	5998.9	5100.2	4223.0	4317.8	4457.8
10°	5950.4	4650.5	4367.2	5138.0	5431.4
12.5°	5888.3	4250.8	5003.1	5804.0	5862.5
15°	5810.4	4035.2	5520.7	5833.3	5815.5
17.5°	5744.8	4161.5	5706.2	5774.8	5761.9
20°	5652.7	4413.5	5627.0	5682.0	5677.0
22.5°	5559.9	4711.9	5552.0	5591.3	5591.3
25°	5442.1	4979.6	5454.2	5490.7	5504.3
27.5°	5312.9	5133.7	5332.2	5362.2	5386.4
30°	5185.1	5155.9	5202.3	5240.8	5269.4
32.5°	5050.3	5038.9	5075.2	5115.9	5152.3
35°	4896.8	4893.9	4951.0	4983.8	5008.9
37.5°	4752.6	4742.6	4795.4	4841.1	4860.4
40°	4579.9	4579.9	4629.8	4676.2	4696.2
42.5°	4382.8	4410.7	4449.2	4497.0	4050.2
45°	4194.4	4207.2	4276.5	3787.5	2657.5
47.5°	4013.0	4029.5	4095.2	2434.8	2501.2
50°	3769.7	3843.9	3895.3	2427.7	2574.8
52.5°	3592.0	3624.0	3270.0	2403.4	2486.2
55°	3292.9	3400.6	2090.0	2376.3	2604.0
57.5°	3037.3	3115.8	2055.1	2434.8	2576.2
60°	2738.2	2858.1	1878.0	2349.2	2078.6
62.5°	2451.2	2565.4	1960.9	1848.8	1760.3
65°	2168.6	2296.3	1905.9	1466.2	1075.0
67.5°	1858.7	1739.6	1520.4	1032.9	1087.2
70°	1549.7	1214.9	1168.5	1155.0	1066.4
72.5°	1232.0	886.6	775.9	866.6	620.3
75°	934.4	915.8	803.8	525.4	559.6
77.5°	648.1	661.0	430.4	512.5	425.4
80°	431.9	374.1	389.7	326.9	322.7
82.5°	299.1	305.5	256.2	248.4	252.0
85°	207.7	184.9	180.6	172.8	171.3
87.5°	69.2	80.7	75.0	67.8	72.1
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)