

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: P730440

Luminaire Tested: **HBLED-LD5-15HE-W-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730440
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-L840
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15096.0 lumens
Efficiency: N/A
Efficacy: 165.5 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

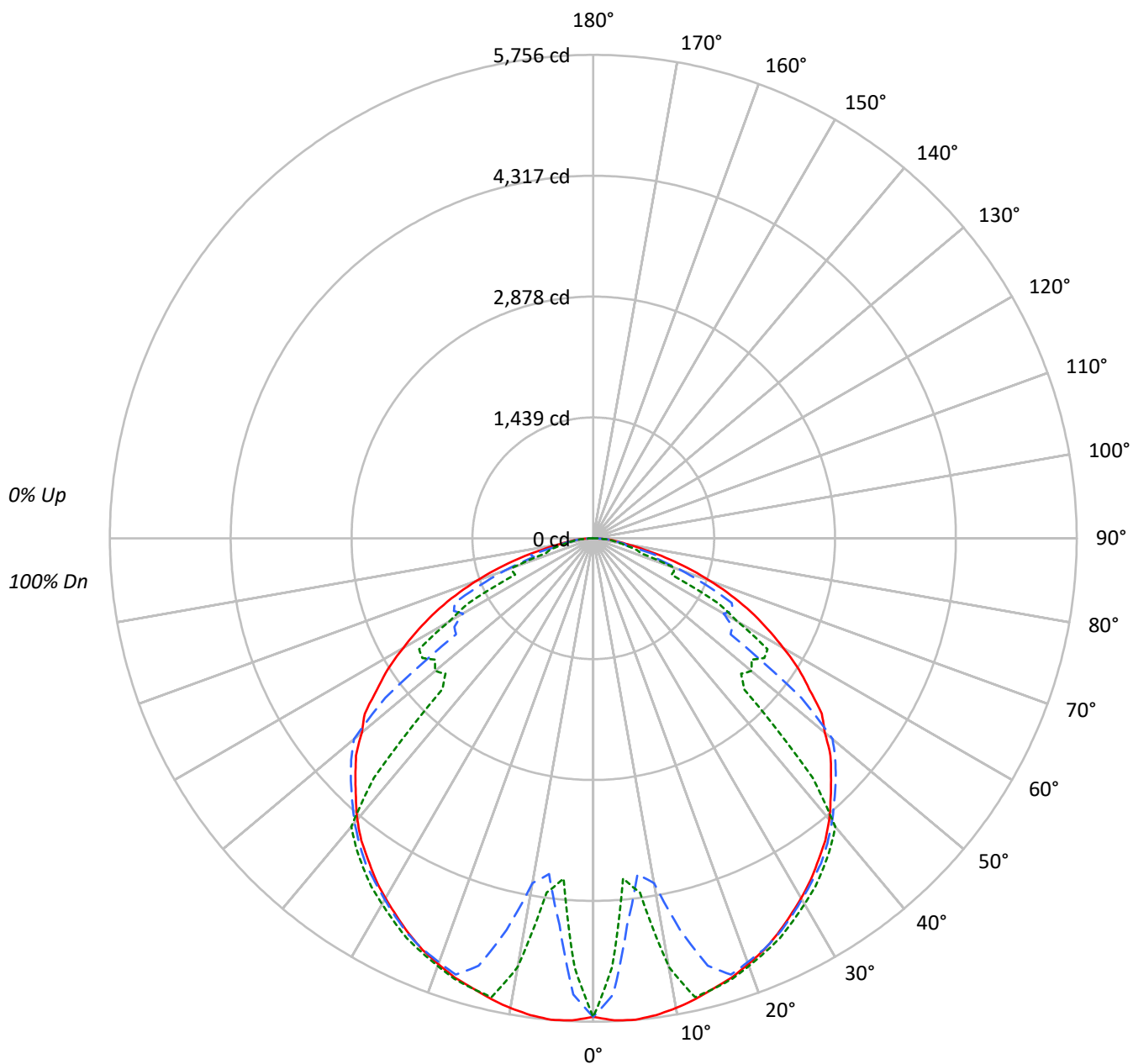
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9200	9200	9200
5°	9328	7494	6591
10°	9312	6834	8500
15°	9271	8809	9279
20°	9271	9229	9311
25°	9254	9275	9360
30°	9227	9258	9377
35°	9213	9315	9424
40°	9214	9315	9448
45°	9142	9321	5792
50°	9038	9340	6173
55°	8848	5616	6997
60°	8440	5789	6407
65°	7908	6951	3920
70°	6983	5266	4806
75°	5564	4786	3332
80°	3833	3459	2864
85°	3674	3194	3029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.7	3.0
10°-20°	1427.5	9.5
20°-30°	2348.6	15.6
30°-40°	2953.0	19.6
40°-50°	2896.2	19.2
50°-60°	2399.6	15.9
60°-70°	1692.5	11.2
70°-80°	738.4	4.9
80°-90°	184.5	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°	4231.7	28.0
0°-40°	7184.8	47.6
0°-60°	12480.6	82.7
0°-90°	15096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5698	5698	5698	5698	5698	
5°	5756	5357	4624	4192	4066	546
15°	5546	3852	5270	5568	5551	1568
25°	5195	4753	5206	5241	5254	2394
35°	4674	4671	4726	4757	4781	2929
45°	4004	4016	4082	3615	2537	3090
55°	3143	3246	1995	2268	2486	2812
65°	2070	2192	1819	1400	1026	2035
75°	892	874	767	502	534	956
85°	198	176	172	165	164	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5698.3	5698.3	5698.3	5698.3	5698.3
2.5°	5745.3	5626.0	5436.6	5198.1	5113.7
5°	5755.5	5356.9	4623.7	4192.4	4066.4
7.5°	5726.2	4868.3	4031.0	4121.5	4255.1
10°	5679.9	4439.1	4168.6	4904.5	5184.5
12.5°	5620.6	4057.5	4775.6	5540.2	5596.0
15°	5546.3	3851.8	5269.7	5568.1	5551.1
17.5°	5483.6	3972.3	5446.8	5512.2	5499.9
20°	5395.7	4212.9	5371.2	5423.7	5418.9
22.5°	5307.1	4497.7	5299.6	5337.1	5337.1
25°	5194.7	4753.2	5206.3	5241.1	5254.0
27.5°	5071.4	4900.3	5089.8	5118.4	5141.5
30°	4949.4	4921.5	4965.8	5002.6	5029.8
32.5°	4820.7	4809.8	4844.5	4883.3	4918.1
35°	4674.1	4671.4	4725.9	4757.3	4781.2
37.5°	4536.5	4527.0	4577.4	4621.0	4639.4
40°	4371.6	4371.6	4419.3	4463.6	4482.7
42.5°	4183.5	4210.2	4247.0	4292.6	3866.1
45°	4003.7	4016.0	4082.0	3615.3	2536.7
47.5°	3830.6	3846.3	3909.0	2324.1	2387.5
50°	3598.3	3669.1	3718.2	2317.3	2457.7
52.5°	3428.6	3459.3	3121.3	2294.2	2373.2
55°	3143.2	3246.0	1995.0	2268.3	2485.6
57.5°	2899.2	2974.2	1961.7	2324.1	2459.0
60°	2613.7	2728.2	1792.6	2242.4	1984.1
62.5°	2339.8	2448.8	1871.7	1764.8	1680.2
65°	2070.0	2191.9	1819.3	1399.5	1026.1
67.5°	1774.2	1660.5	1451.3	985.9	1037.7
70°	1479.3	1159.7	1115.4	1102.5	1018.0
72.5°	1176.0	846.3	740.6	827.2	592.1
75°	891.9	874.2	767.2	501.5	534.2
77.5°	618.7	630.9	410.8	489.2	406.1
80°	412.2	357.1	372.0	312.1	308.0
82.5°	285.5	291.6	244.6	237.1	240.5
85°	198.3	176.5	172.4	164.9	163.5
87.5°	66.1	77.0	71.6	64.7	68.9
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)