

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: P730382

Luminaire Tested: **HBLED-LD5-15HE-N-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CLI-UNV-L735
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14441.0 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

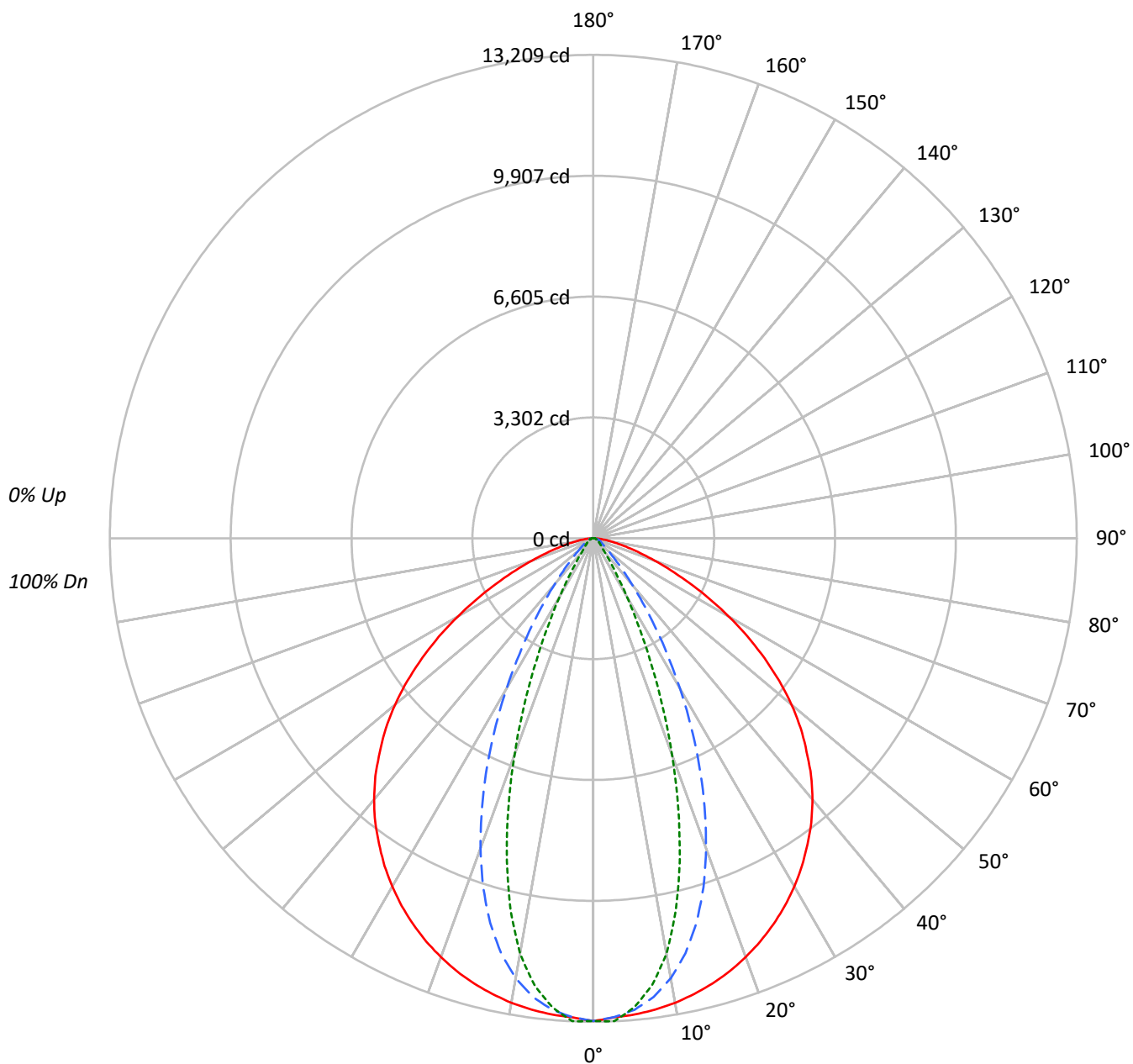
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21298	21298	21298
5°	21170	20959	20849
10°	21134	20010	18882
15°	21049	18189	15249
20°	20923	15477	10808
25°	20736	12204	6530
30°	20484	8808	3356
35°	20114	5758	1676
40°	19637	3459	978
45°	18821	2066	731
50°	17752	1351	614
55°	16066	1025	536
60°	13807	873	489
65°	11106	796	462
70°	8367	853	459
75°	6154	810	472
80°	4502	807	517
85°	3372	978	669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.8	8.4
10°-20°	3022.2	20.9
20°-30°	3347.5	23.2
30°-40°	2681.9	18.6
40°-50°	1914.6	13.3
50°-60°	1229.7	8.5
60°-70°	666.4	4.6
70°-80°	284.9	2.0
80°-90°	79.0	0.5
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°	7584.5	52.5
0°-40°	10266.4	71.1
0°-60°	13410.7	92.9
0°-90°	14441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13191	13191	13191	13191	13191	
5°	13062	13110	12932	12891	12864	###
15°	12593	12199	10881	9616	9123	3553
25°	11639	10263	6850	4463	3666	5362
35°	10205	7381	2922	1178	850	6380
45°	8243	4261	905	385	320	6353
55°	5708	1905	364	224	190	5086
65°	2907	782	208	144	121	2911
75°	986	286	130	90	76	1096
85°	182	76	53	44	36	222
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13190.8	13190.8	13190.8	13190.8	13190.8
2.5°	13104.0	13186.0	13097.7	13152.6	13208.8
5°	13061.6	13110.2	12931.6	12890.6	12863.6
7.5°	12987.9	12974.0	12638.5	12421.0	12316.1
10°	12890.6	12778.1	12204.9	11727.0	11517.1
12.5°	12751.7	12519.7	11617.8	10778.6	10422.9
15°	12592.6	12198.7	10881.4	9616.3	9123.0
17.5°	12402.2	11823.5	10001.1	8369.9	7718.8
20°	12177.1	11370.5	9007.6	7045.6	6290.4
22.5°	11925.7	10848.1	7943.9	5725.5	4915.5
25°	11639.4	10263.0	6850.4	4463.2	3665.6
27.5°	11330.3	9613.5	5763.1	3334.9	2607.4
30°	10987.0	8910.4	4724.4	2404.6	1800.2
32.5°	10612.5	8162.8	3759.4	1691.0	1231.1
35°	10204.7	7381.2	2921.5	1178.3	850.4
37.5°	9787.1	6583.6	2206.6	833.0	610.0
40°	9316.8	5788.7	1641.1	610.0	464.1
42.5°	8811.7	5009.3	1214.5	469.6	375.9
45°	8242.7	4261.0	904.6	384.9	320.3
47.5°	7691.1	3563.5	687.1	327.9	278.6
50°	7067.2	2934.0	537.7	286.3	244.5
52.5°	6405.0	2380.3	436.3	252.2	215.4
55°	5707.5	1905.0	364.0	223.7	190.4
57.5°	5000.9	1509.0	311.3	199.4	169.6
60°	4275.6	1206.8	270.3	178.5	151.4
62.5°	3567.6	965.0	236.2	160.5	135.5
65°	2906.9	782.3	208.4	143.8	120.9
67.5°	2296.2	618.3	194.5	129.2	109.1
70°	1772.3	481.5	180.7	115.3	97.3
72.5°	1343.0	369.6	159.8	102.8	86.2
75°	986.5	286.3	129.9	90.3	75.7
77.5°	705.9	220.3	105.6	78.5	65.3
80°	484.2	164.0	86.8	67.4	55.6
82.5°	314.8	116.1	70.2	55.6	45.8
85°	182.0	75.7	52.8	43.8	36.1
87.5°	78.5	41.7	36.1	32.7	27.8
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)