

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: P730227

Luminaire Tested: **HBLED-LD5-12HE-N-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-N-CL-UNV-L740
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11785.0 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

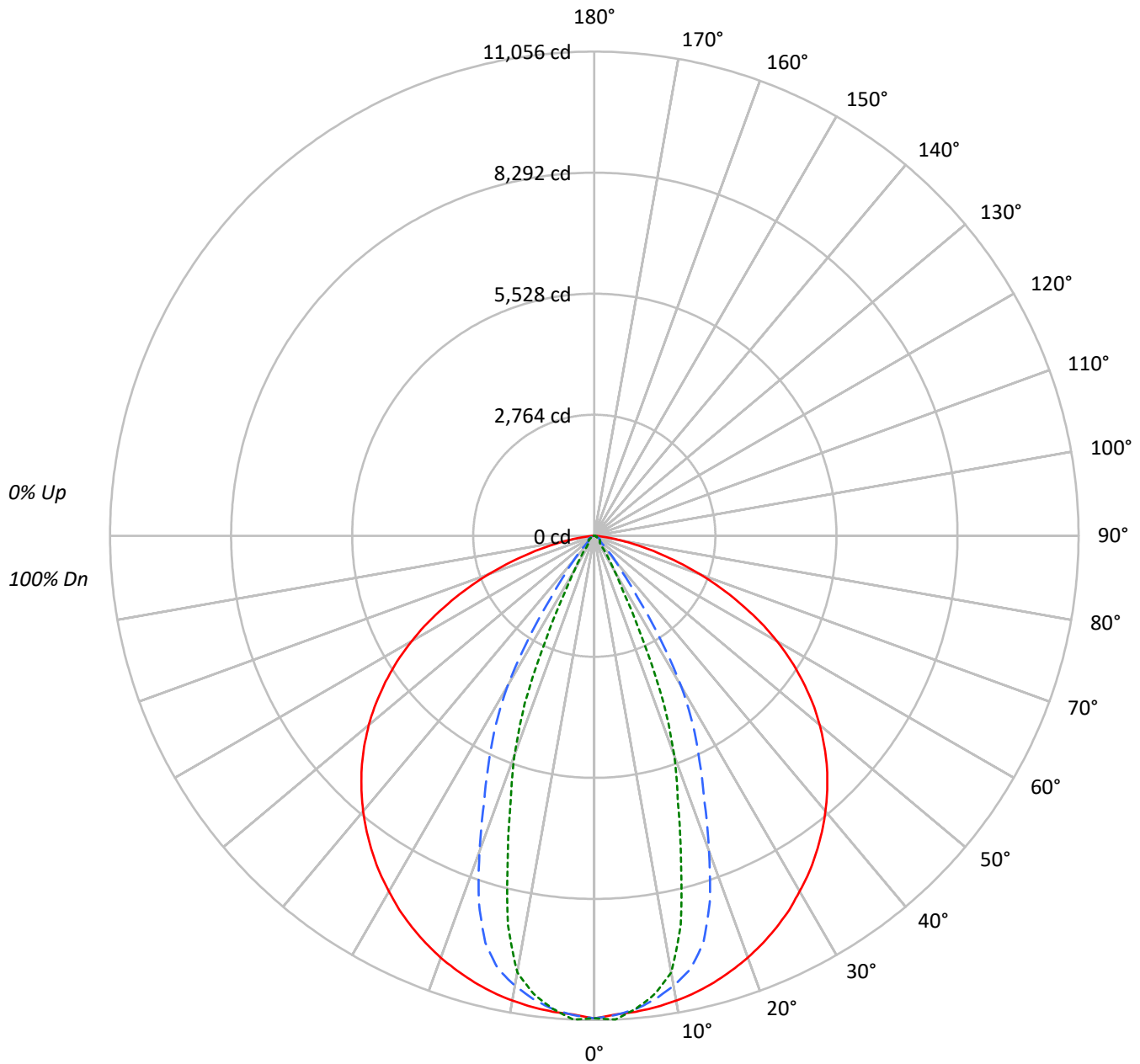
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17792	17792	17792
5°	17682	17590	17577
10°	17670	17104	16599
15°	17650	16084	12763
20°	17616	13162	9155
25°	17560	10141	4652
30°	17477	7401	1692
35°	17415	3399	589
40°	17308	1543	407
45°	17154	576	412
50°	16880	418	434
55°	16381	440	330
60°	15567	470	291
65°	14117	358	237
70°	12104	258	218
75°	9251	229	208
80°	5788	215	226
85°	1828	250	304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.9	8.7
10°-20°	2584.3	21.9
20°-30°	2814.4	23.9
30°-40°	2105.3	17.9
40°-50°	1513.8	12.8
50°-60°	929.7	7.9
60°-70°	535.0	4.5
70°-80°	238.8	2.0
80°-90°	37.9	0.3
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°	6424.6	54.5
0°-40°	8529.9	72.4
0°-60°	10973.4	93.1
0°-90°	11785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11019	11019	11019	11019	11019	
5°	10910	10961	10853	10863	10845	###
15°	10559	10357	9622	8264	7635	2981
25°	9857	9150	5692	3652	2611	4544
35°	8835	6337	1724	507	299	5527
45°	7512	3560	252	187	180	5787
55°	5819	740	156	151	117	5188
65°	3695	81	94	78	62	3658
75°	1483	49	37	38	33	1609
85°	99	10	14	18	16	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11019.3	11019.3	11019.3	11019.3	11019.3
2.5°	10942.6	11014.2	10953.9	11008.0	11055.9
5°	10909.9	10961.2	10852.9	10863.1	10845.1
7.5°	10853.5	10865.9	10670.3	10594.7	10558.0
10°	10777.9	10744.7	10432.3	10252.4	10124.4
12.5°	10682.7	10572.7	10136.2	9494.0	9111.1
15°	10559.2	10356.7	9622.0	8263.6	7635.4
17.5°	10412.0	10131.2	8770.5	6887.2	6343.6
20°	10252.4	9881.9	7660.2	5855.9	5328.1
22.5°	10064.1	9563.4	6565.2	4870.2	4145.6
25°	9857.1	9150.0	5692.3	3652.2	2611.3
27.5°	9633.9	8604.8	4884.3	2239.7	1411.9
30°	9374.5	7941.1	3969.7	1256.9	907.8
32.5°	9121.3	7167.5	2835.8	837.3	580.2
35°	8835.4	6336.9	1724.3	506.9	298.8
37.5°	8532.6	5581.8	1079.3	275.7	206.4
40°	8211.7	4865.7	731.9	195.7	192.9
42.5°	7868.9	4217.8	458.4	186.1	192.3
45°	7512.5	3560.3	252.1	186.7	180.5
47.5°	7125.7	2846.5	175.9	176.5	175.9
50°	6720.3	2041.8	166.4	174.3	172.6
52.5°	6283.3	1267.6	166.9	170.3	152.8
55°	5819.2	739.8	156.2	151.1	117.3
57.5°	5331.4	461.2	152.8	124.6	105.4
60°	4820.6	243.6	145.5	112.2	90.2
62.5°	4276.4	120.1	116.7	95.9	73.9
65°	3695.1	81.2	93.6	77.8	62.0
67.5°	3133.5	73.3	70.5	63.7	54.1
70°	2564.0	67.1	54.7	55.8	46.2
72.5°	2005.2	60.9	44.0	47.9	38.9
75°	1483.0	49.1	36.7	37.8	33.3
77.5°	1031.9	38.4	28.8	32.2	31.0
80°	622.5	24.3	23.1	26.5	24.3
82.5°	301.7	15.8	18.1	20.8	19.2
85°	98.7	9.6	13.5	17.5	16.4
87.5°	12.4	5.7	11.3	15.2	14.1
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)