

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: P730240

Luminaire Tested: **HBLED-LD5-12HE-N-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730240
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-LD5-12HE-N-CLI-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11922.0 lumens
Efficiency: N/A
Efficacy: 164.0 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

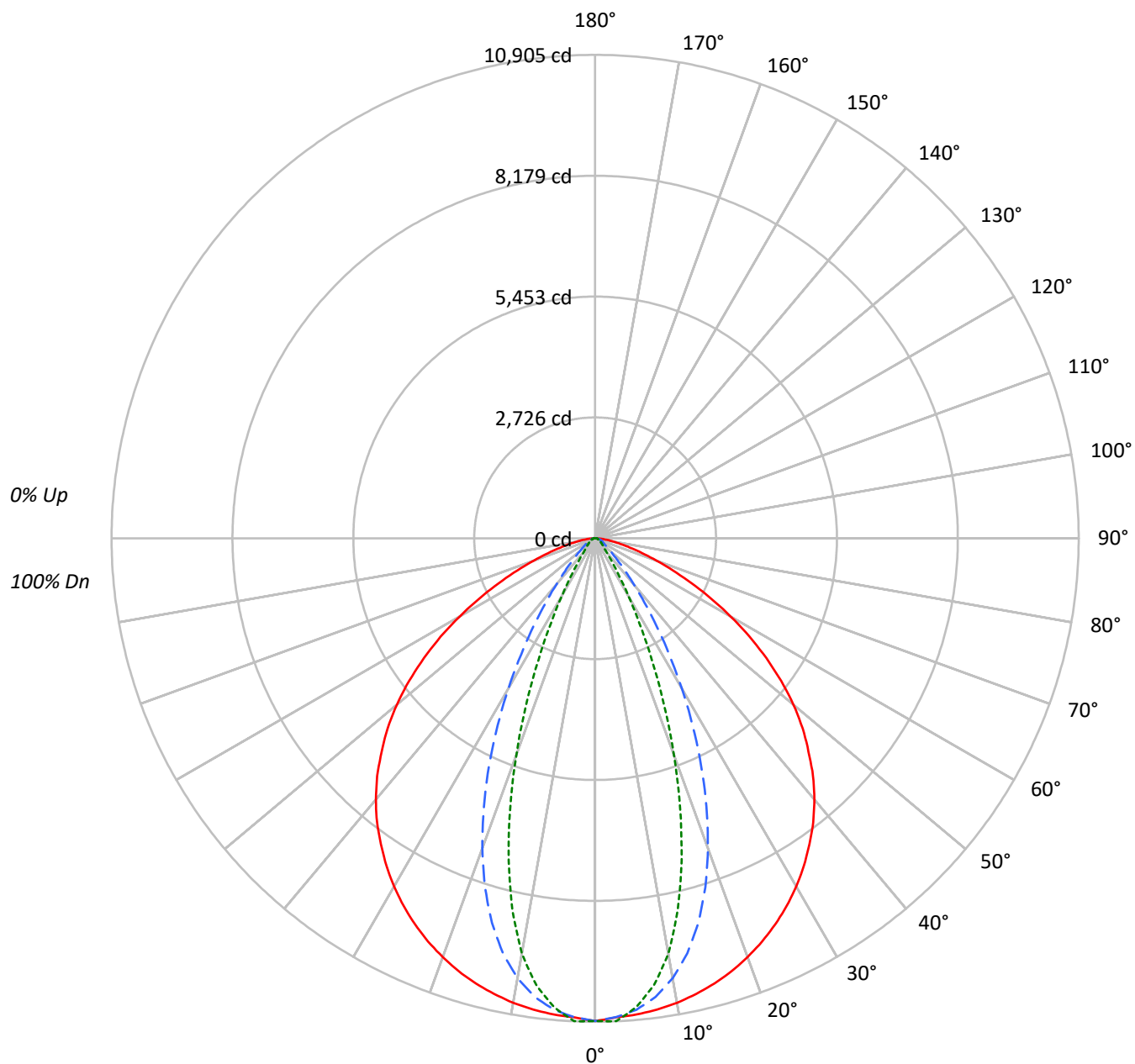
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17583	17583	17583
5°	17477	17303	17212
10°	17448	16520	15589
15°	17377	15016	12589
20°	17273	12777	8923
25°	17119	10075	5391
30°	16911	7272	2771
35°	16605	4754	1384
40°	16212	2856	807
45°	15538	1705	604
50°	14655	1115	507
55°	13264	846	443
60°	11398	720	404
65°	9168	657	381
70°	6907	704	379
75°	5080	669	390
80°	3717	667	427
85°	2784	808	552



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1002.9	8.4
10°-20°	2495.0	20.9
20°-30°	2763.6	23.2
30°-40°	2214.1	18.6
40°-50°	1580.6	13.3
50°-60°	1015.2	8.5
60°-70°	550.2	4.6
70°-80°	235.2	2.0
80°-90°	65.2	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°	6261.5	52.5
0°-40°	8475.6	71.1
0°-60°	11071.4	92.9
0°-90°	11922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10890	10890	10890	10890	10890	
5°	10783	10823	10676	10642	10620	###
15°	10396	10071	8983	7939	7532	2933
25°	9609	8473	5656	3685	3026	4427
35°	8425	6094	2412	973	702	5267
45°	6805	3518	747	318	264	5245
55°	4712	1573	300	185	157	4199
65°	2400	646	172	119	100	2403
75°	814	236	107	75	62	905
85°	150	62	44	36	30	184
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10889.9	10889.9	10889.9	10889.9	10889.9
2.5°	10818.2	10885.9	10813.0	10858.3	10904.8
5°	10783.2	10823.4	10675.9	10642.1	10619.7
7.5°	10722.4	10710.9	10433.9	10254.4	10167.7
10°	10642.1	10549.2	10076.0	9681.4	9508.2
12.5°	10527.4	10335.8	9591.3	8898.4	8604.8
15°	10396.0	10070.8	8983.3	7938.9	7531.6
17.5°	10238.9	9761.1	8256.6	6909.9	6372.4
20°	10053.0	9387.1	7436.4	5816.6	5193.1
22.5°	9845.4	8955.8	6558.2	4726.8	4058.1
25°	9609.1	8472.8	5655.5	3684.7	3026.2
27.5°	9353.9	7936.6	4757.8	2753.2	2152.6
30°	9070.5	7356.1	3900.3	1985.2	1486.1
32.5°	8761.3	6738.9	3103.6	1396.1	1016.4
35°	8424.7	6093.7	2411.9	972.8	702.0
37.5°	8079.9	5435.2	1821.7	687.7	503.6
40°	7691.6	4779.0	1354.8	503.6	383.1
42.5°	7274.6	4135.5	1002.6	387.7	310.3
45°	6804.9	3517.7	746.8	317.8	264.4
47.5°	6349.5	2941.9	567.3	270.7	230.0
50°	5834.4	2422.2	443.9	236.3	201.9
52.5°	5287.8	1965.1	360.2	208.2	177.8
55°	4711.9	1572.7	300.5	184.7	157.2
57.5°	4128.6	1245.8	257.0	164.6	140.0
60°	3529.8	996.3	223.1	147.4	125.0
62.5°	2945.3	796.7	195.0	132.5	111.9
65°	2399.8	645.8	172.1	118.7	99.8
67.5°	1895.6	510.5	160.6	106.7	90.1
70°	1463.2	397.5	149.1	95.2	80.3
72.5°	1108.7	305.2	132.0	84.9	71.1
75°	814.4	236.3	107.3	74.6	62.5
77.5°	582.8	181.8	87.2	64.8	53.9
80°	399.8	135.4	71.7	55.6	45.9
82.5°	259.9	95.8	57.9	45.9	37.8
85°	150.3	62.5	43.6	36.1	29.8
87.5°	64.8	34.4	29.8	27.0	22.9
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)