

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: P730326

Luminaire Tested: **HBLED-LD5-12SE-W-A-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-A-UNV-L840
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10736.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

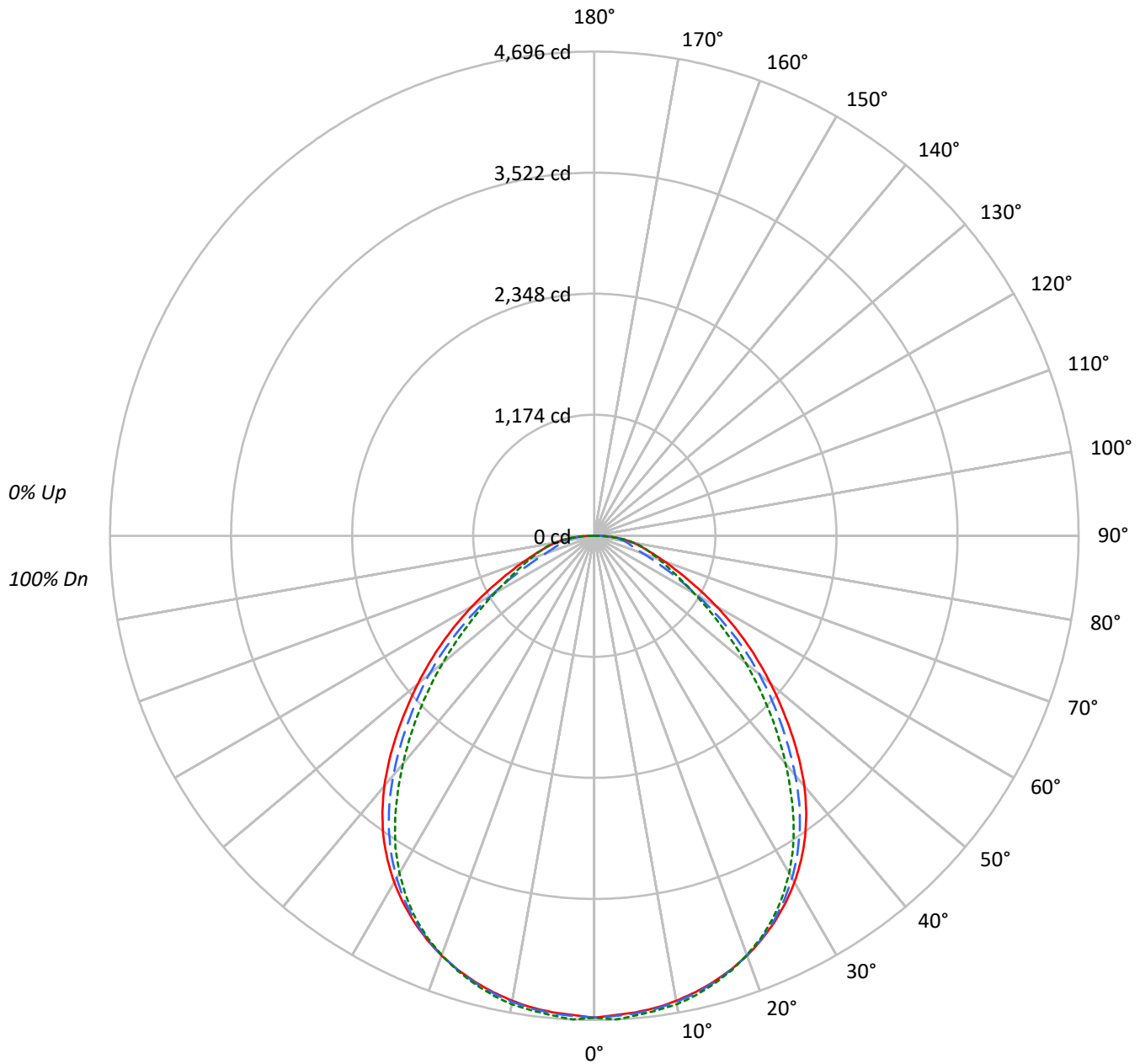
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7546	7546	7546
5°	7519	7536	7567
10°	7508	7526	7564
15°	7484	7498	7516
20°	7444	7439	7433
25°	7363	7338	7297
30°	7236	7149	7045
35°	7026	6849	6638
40°	6677	6390	6083
45°	6168	5824	5471
50°	5607	5244	4812
55°	5042	4540	4160
60°	4412	3710	3610
65°	3804	2918	3258
70°	3391	2381	3140
75°	3249	2324	3281
80°	3514	2749	3656
85°	3946	3310	3983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.9	4.1
10°-20°	1267.7	11.8
20°-30°	1896.3	17.7
30°-40°	2163.5	20.2
40°-50°	1969.4	18.3
50°-60°	1446.1	13.5
60°-70°	853.9	8.0
70°-80°	489.3	4.6
80°-90°	206.9	1.9
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°	3606.9	33.6
0°-40°	5770.4	53.7
0°-60°	9185.9	85.6
0°-90°	10736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4674	4674	4674	4674	4674	
5°	4639	4668	4650	4668	4669	441
15°	4477	4502	4486	4502	4496	1263
25°	4133	4148	4119	4118	4096	1903
35°	3565	3547	3475	3416	3368	2221
45°	2701	2685	2550	2436	2396	2082
55°	1791	1708	1613	1496	1478	1602
65°	996	869	764	817	853	1002
75°	521	446	373	486	526	561
85°	213	197	179	211	215	223
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4673.5	4673.5	4673.5	4673.5	4673.5
2.5°	4651.9	4678.8	4661.9	4680.4	4696.2
5°	4639.3	4668.3	4649.8	4668.3	4668.8
7.5°	4616.1	4643.0	4625.1	4645.1	4643.0
10°	4579.7	4606.6	4590.3	4611.9	4613.5
12.5°	4533.3	4559.2	4542.3	4567.1	4562.9
15°	4477.0	4501.7	4485.9	4501.7	4496.5
17.5°	4410.5	4433.2	4412.7	4430.1	4421.1
20°	4332.5	4351.5	4329.4	4345.7	4326.2
22.5°	4239.3	4256.1	4232.9	4241.9	4221.8
25°	4133.3	4148.1	4119.1	4117.5	4095.9
27.5°	4015.2	4023.2	3986.2	3973.6	3948.8
30°	3881.4	3883.5	3834.5	3810.8	3778.6
32.5°	3731.1	3725.9	3663.1	3627.9	3588.3
35°	3564.6	3547.2	3475.0	3415.5	3368.0
37.5°	3376.5	3349.0	3262.6	3174.6	3129.2
40°	3167.7	3135.6	3031.7	2922.6	2886.3
42.5°	2940.6	2913.2	2790.9	2677.0	2641.2
45°	2701.3	2685.4	2550.5	2436.1	2396.1
47.5°	2462.0	2450.4	2318.6	2202.1	2153.6
50°	2232.2	2206.8	2087.8	1960.2	1915.9
52.5°	2009.2	1957.5	1852.7	1721.9	1689.3
55°	1791.0	1708.3	1612.9	1495.9	1477.9
57.5°	1574.9	1467.9	1375.1	1287.6	1287.1
60°	1366.2	1243.9	1149.0	1103.1	1117.9
62.5°	1170.6	1045.2	942.4	945.6	972.5
65°	995.6	869.1	763.7	817.0	852.8
67.5°	845.4	724.7	617.7	716.8	751.1
70°	718.4	609.3	504.4	628.3	665.2
72.5°	611.4	519.7	425.4	554.5	591.9
75°	520.8	446.4	372.6	486.0	526.0
77.5°	447.0	381.1	334.2	420.6	462.2
80°	377.9	319.9	295.7	357.4	393.2
82.5°	299.4	259.3	245.1	290.4	308.9
85°	213.0	196.6	178.7	210.8	215.0
87.5°	117.0	121.2	100.1	121.2	121.7
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)