

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: P730329

Luminaire Tested: **HBLED-LD5-12SE-W-AI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-AI-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11286.0 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

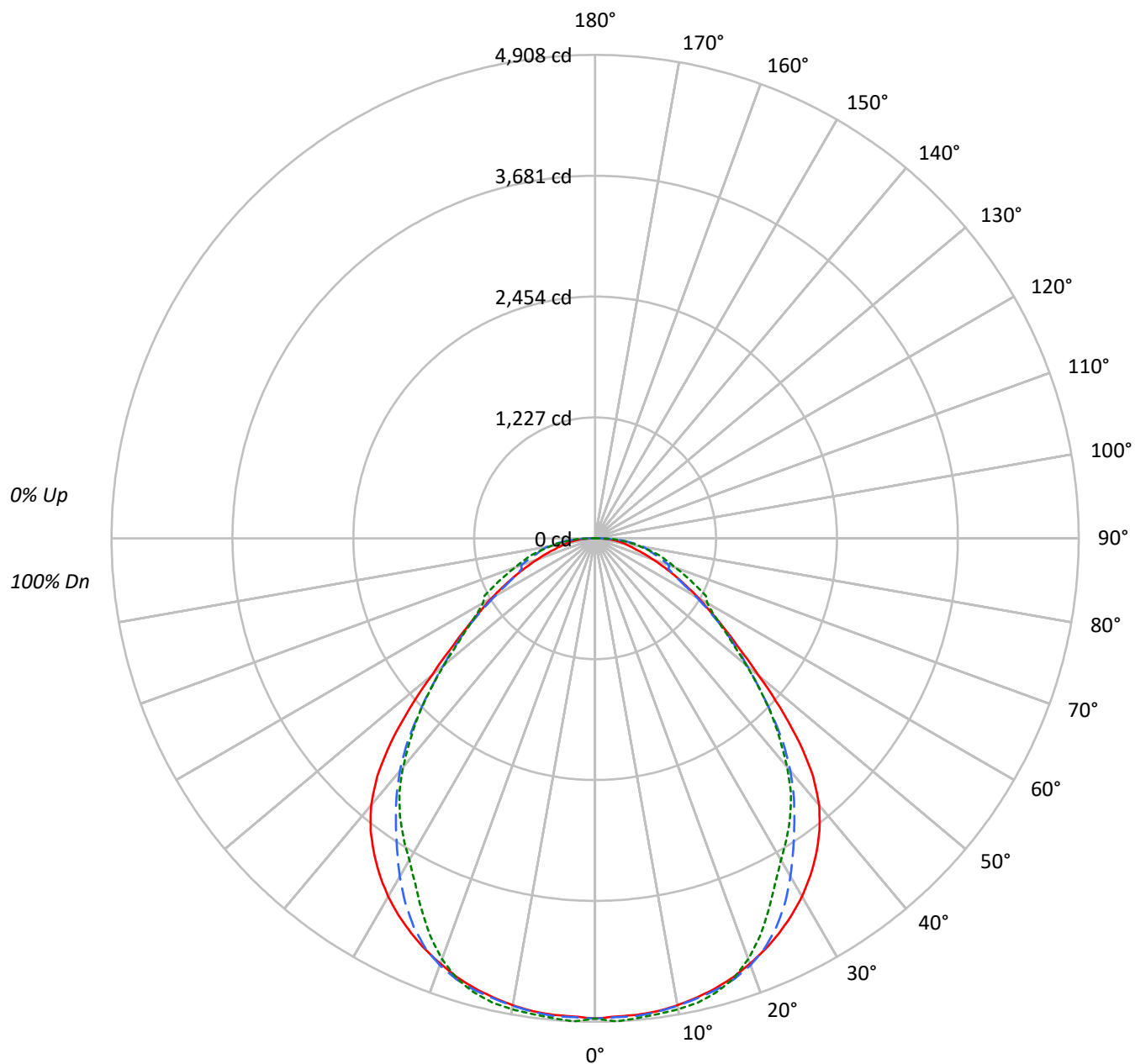
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7873	7873	7873
5°	7872	7889	7928
10°	7892	7902	7960
15°	7904	7933	7972
20°	7896	7925	7808
25°	7876	7758	7420
30°	7829	7392	7032
35°	7712	6948	6803
40°	7454	6496	6389
45°	6699	5801	5779
50°	5434	5052	5018
55°	4512	4428	4427
60°	3906	3792	4240
65°	3386	3364	4274
70°	2919	3774	4074
75°	2618	3868	4247
80°	2721	4553	4260
85°	3088	5248	4868



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.2	4.1
10°-20°	1340.8	11.9
20°-30°	1991.4	17.6
30°-40°	2260.7	20.0
40°-50°	2021.0	17.9
50°-60°	1397.3	12.4
60°-70°	922.0	8.2
70°-80°	622.1	5.5
80°-90°	266.4	2.4
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°	3796.4	33.6
0°-40°	6057.1	53.7
0°-60°	9475.5	84.0
0°-90°	11286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4876	4876	4876	4876	4876	
5°	4857	4887	4868	4888	4891	462
15°	4728	4751	4746	4773	4769	1335
25°	4421	4463	4355	4225	4165	2037
35°	3912	3830	3525	3474	3451	2440
45°	2934	2686	2540	2560	2531	2231
55°	1603	1463	1573	1551	1572	1456
65°	886	787	881	1030	1119	884
75°	420	528	620	663	681	458
85°	167	232	283	285	263	174
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4875.9	4875.9	4875.9	4875.9	4875.9
2.5°	4859.3	4889.7	4867.1	4888.1	4908.5
5°	4857.1	4886.9	4867.6	4887.5	4891.4
7.5°	4843.3	4870.9	4848.3	4867.6	4872.0
10°	4813.5	4846.1	4819.6	4849.4	4854.9
12.5°	4774.9	4808.0	4784.8	4825.6	4827.9
15°	4728.5	4751.1	4746.2	4772.6	4769.3
17.5°	4669.9	4695.9	4692.0	4698.6	4683.2
20°	4595.4	4624.7	4612.5	4582.2	4544.1
22.5°	4515.4	4550.7	4502.7	4425.9	4372.3
25°	4420.9	4462.9	4354.7	4225.0	4165.3
27.5°	4316.6	4354.1	4174.1	4015.1	3953.3
30°	4199.5	4215.5	3964.9	3813.6	3771.6
32.5°	4064.2	4041.1	3741.2	3641.3	3617.0
35°	3912.4	3830.1	3524.8	3473.5	3451.4
37.5°	3741.2	3590.6	3311.2	3287.4	3264.2
40°	3536.4	3313.9	3082.0	3066.6	3031.2
42.5°	3272.0	3013.0	2827.5	2809.2	2777.8
45°	2934.0	2685.6	2540.4	2559.7	2531.0
47.5°	2545.3	2357.1	2264.9	2317.9	2264.9
50°	2163.2	2036.8	2011.4	2059.5	1997.6
52.5°	1850.2	1736.5	1788.9	1797.2	1760.2
55°	1602.8	1463.2	1573.1	1550.9	1572.5
57.5°	1387.5	1231.2	1366.5	1341.1	1415.1
60°	1209.7	1034.2	1174.4	1168.9	1313.0
62.5°	1035.3	895.0	1007.6	1088.8	1266.0
65°	886.2	786.8	880.6	1029.7	1118.6
67.5°	743.2	705.6	805.5	888.4	985.6
70°	618.4	637.7	799.5	784.0	863.0
72.5°	513.5	579.2	705.6	708.4	764.2
75°	419.6	527.9	620.1	662.6	680.8
77.5°	348.9	478.7	559.9	574.8	557.1
80°	292.6	421.8	489.7	483.1	458.2
82.5°	236.3	319.7	386.0	392.0	362.7
85°	166.7	231.9	283.3	284.9	262.8
87.5°	89.4	143.0	171.7	176.7	163.4
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)