

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: P730359

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12796.0 lumens
Efficiency: N/A
Efficacy: 170.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

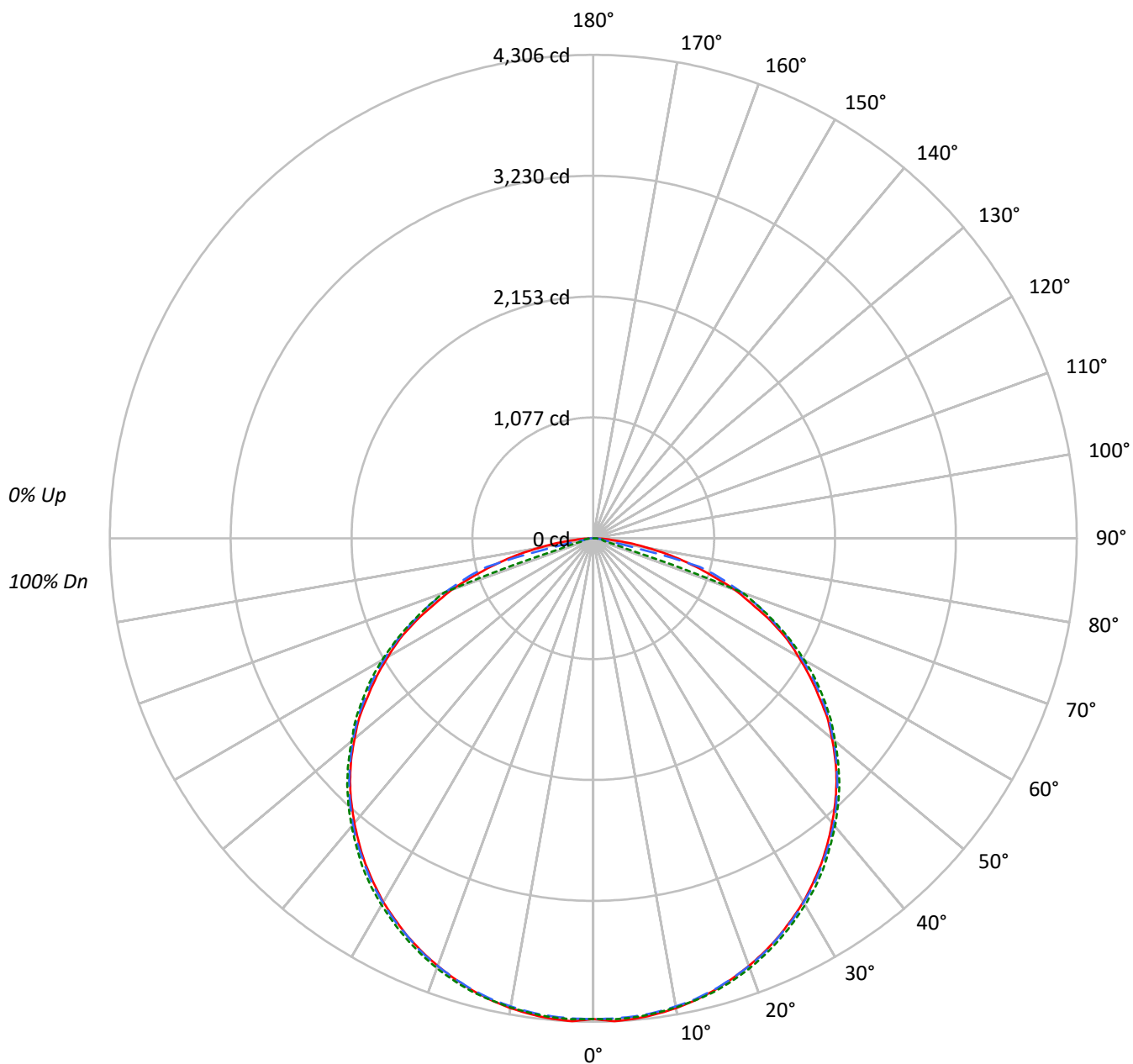
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6914	6914	6914
5°	6963	6928	6940
10°	6967	6942	6956
15°	6966	6956	6988
20°	6965	6967	7003
25°	6969	6972	7015
30°	6976	6985	7032
35°	6975	6998	7056
40°	6976	7021	7059
45°	6996	7022	7079
50°	6975	7015	7061
55°	6898	6995	7070
60°	6820	6930	7017
65°	6669	6807	6858
70°	6331	6601	6682
75°	5647	6123	738
80°	4541	762	807
85°	3021	989	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.7	3.2
10°-20°	1175.1	9.2
20°-30°	1805.5	14.1
30°-40°	2222.6	17.4
40°-50°	2369.6	18.5
50°-60°	2215.1	17.3
60°-70°	1753.5	13.7
70°-80°	746.0	5.8
80°-90°	101.9	0.8
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°	3387.3	26.5
0°-40°	5610.0	43.8
0°-60°	10194.6	79.7
0°-90°	12796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4282	4282	4282	4282	4282	
5°	4296	4277	4274	4257	4282	408
15°	4167	4160	4162	4150	4181	1177
25°	3912	3907	3914	3912	3938	1804
35°	3539	3533	3550	3563	3580	2214
45°	3064	3047	3075	3088	3100	2361
55°	2450	2458	2485	2493	2512	2194
65°	1746	1761	1782	1795	1795	1717
75°	905	944	982	160	118	958
85°	163	49	53	55	54	213
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4281.9	4281.9	4281.9	4281.9	4281.9
2.5°	4305.8	4285.7	4281.9	4264.7	4287.6
5°	4296.2	4277.1	4274.3	4257.1	4281.9
7.5°	4276.2	4260.9	4259.0	4240.9	4265.7
10°	4249.5	4235.2	4234.2	4218.0	4242.8
12.5°	4213.2	4200.8	4204.6	4188.4	4213.2
15°	4167.4	4159.8	4161.7	4150.3	4180.8
17.5°	4112.1	4108.3	4112.1	4103.5	4131.2
20°	4053.9	4049.2	4054.9	4050.1	4075.9
22.5°	3986.2	3980.5	3991.9	3985.3	4009.1
25°	3911.8	3907.0	3913.7	3911.8	3937.6
27.5°	3826.9	3822.1	3836.5	3837.4	3857.4
30°	3742.0	3735.3	3746.8	3751.6	3771.6
32.5°	3640.9	3639.0	3656.2	3660.0	3681.0
35°	3538.8	3533.1	3550.3	3562.7	3579.9
37.5°	3427.2	3426.3	3444.4	3454.9	3463.5
40°	3309.9	3305.1	3330.9	3341.4	3349.0
42.5°	3190.7	3180.2	3205.0	3218.3	3226.9
45°	3063.8	3046.7	3075.3	3087.7	3100.1
47.5°	2924.6	2909.3	2937.0	2950.3	2958.9
50°	2776.7	2762.4	2792.9	2804.4	2811.0
52.5°	2627.9	2613.6	2646.0	2655.6	2671.8
55°	2450.5	2458.1	2484.8	2493.4	2511.5
57.5°	2286.4	2293.1	2318.8	2329.3	2350.3
60°	2111.9	2122.4	2146.2	2156.7	2172.9
62.5°	1943.0	1944.0	1972.6	1977.4	1989.8
65°	1745.6	1760.8	1781.8	1795.2	1795.2
67.5°	1525.2	1562.4	1598.7	1595.8	1603.4
70°	1341.1	1355.4	1398.4	1405.0	1415.5
72.5°	1110.3	1147.5	1195.2	892.8	303.3
75°	905.2	944.3	981.5	160.2	118.3
77.5°	703.0	733.5	326.2	91.6	89.7
80°	488.4	537.0	82.0	83.9	86.8
82.5°	321.5	262.3	67.7	74.4	75.4
85°	163.1	48.6	53.4	55.3	54.4
87.5°	53.4	29.6	30.5	31.5	32.4
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)