

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: P730336

Luminaire Tested: **HBLED-LD5-12SE-W-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CL-UNV-L750
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11819.0 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

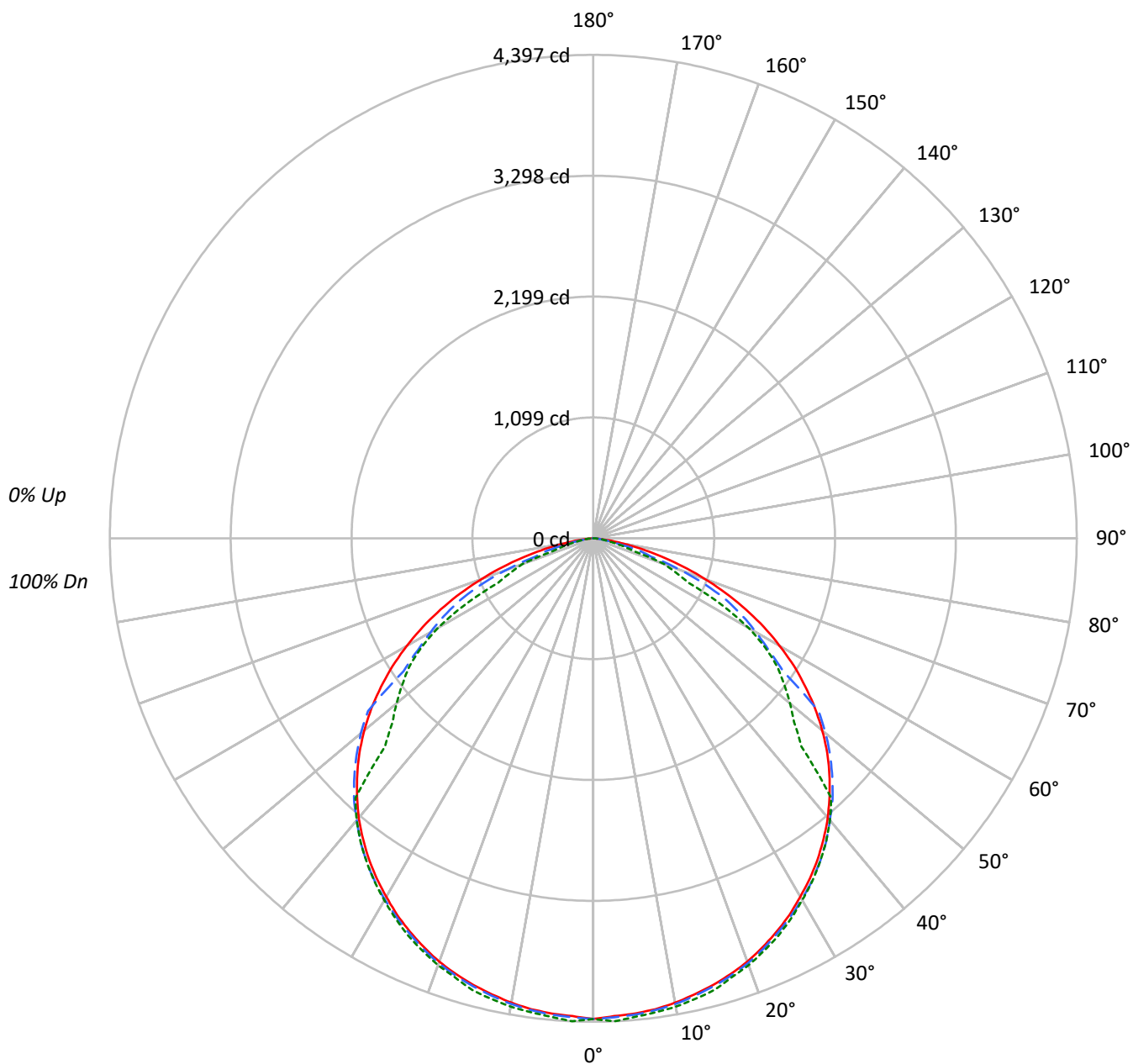
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7059	7059	7059
5°	7033	7049	7083
10°	7032	7052	7093
15°	7032	7053	7110
20°	7041	7067	7100
25°	7033	7059	7102
30°	7019	7071	7087
35°	7016	7080	7085
40°	6994	7056	7056
45°	6934	7018	6115
50°	6827	6930	5867
55°	6633	5932	5763
60°	6322	5514	5265
65°	5847	5119	3646
70°	5091	3983	3249
75°	4021	2673	1747
80°	2589	1277	1089
85°	1065	780	858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.7	3.5
10°-20°	1195.3	10.1
20°-30°	1832.6	15.5
30°-40°	2246.2	19.0
40°-50°	2309.2	19.5
50°-60°	1970.8	16.7
60°-70°	1302.9	11.0
70°-80°	482.7	4.1
80°-90°	64.6	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°	3442.6	29.1
0°-40°	5688.8	48.1
0°-60°	9968.8	84.3
0°-90°	11819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4372	4372	4372	4372	4372	
5°	4339	4370	4349	4366	4370	413
15°	4207	4232	4220	4252	4254	1188
25°	3948	3968	3962	3998	3986	1820
35°	3560	3584	3592	3614	3595	2226
45°	3037	3067	3074	3069	2678	2340
55°	2356	2400	2107	2046	2047	2103
65°	1530	1543	1340	1102	954	1509
75°	645	565	428	288	280	692
85°	58	41	42	46	46	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4371.8	4371.8	4371.8	4371.8	4371.8
2.5°	4350.5	4377.7	4361.7	4381.9	4397.3
5°	4339.3	4369.7	4348.9	4365.9	4370.2
7.5°	4320.2	4348.4	4329.2	4351.6	4348.4
10°	4289.3	4314.8	4301.5	4325.0	4326.5
12.5°	4249.9	4275.4	4263.2	4291.9	4291.4
15°	4206.8	4232.3	4219.5	4251.5	4253.7
17.5°	4156.2	4179.7	4170.0	4199.4	4187.6
20°	4097.6	4117.9	4113.1	4140.8	4132.2
22.5°	4025.8	4046.5	4041.8	4073.7	4060.9
25°	3947.6	3968.3	3962.5	3998.1	3986.4
27.5°	3862.9	3882.6	3882.1	3915.6	3897.5
30°	3765.0	3791.1	3792.7	3822.5	3801.2
32.5°	3668.1	3692.6	3699.5	3721.3	3703.3
35°	3559.5	3584.0	3592.0	3614.4	3594.7
37.5°	3442.4	3463.2	3477.5	3494.0	3478.6
40°	3318.4	3337.0	3347.7	3367.9	3347.7
42.5°	3180.0	3206.6	3221.5	3235.9	3202.9
45°	3036.8	3067.1	3073.5	3068.7	2678.0
47.5°	2885.1	2918.1	2921.8	2548.2	2476.3
50°	2717.9	2759.5	2758.9	2354.9	2335.8
52.5°	2543.9	2583.8	2582.2	2203.7	2191.0
55°	2356.5	2399.6	2107.4	2046.2	2047.2
57.5°	2165.4	2196.3	1890.8	1893.4	1858.2
60°	1957.8	1987.1	1707.6	1691.1	1630.4
62.5°	1749.7	1761.9	1530.4	1450.0	1334.5
65°	1530.4	1543.1	1339.8	1101.9	954.4
67.5°	1305.2	1318.0	1112.0	819.8	808.5
70°	1078.4	974.1	843.7	683.0	688.3
72.5°	854.9	748.4	551.5	529.1	382.2
75°	644.6	564.8	428.5	288.0	280.0
77.5°	448.7	389.1	229.4	196.4	183.7
80°	278.4	195.4	137.3	121.9	117.1
82.5°	141.1	112.3	74.5	74.5	74.5
85°	57.5	41.0	42.1	45.8	46.3
87.5°	12.2	16.5	20.2	20.8	20.2
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)