

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: P730330

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730330
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-L750
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: 11557.0 lumens
Efficiency: N/A
Efficacy: 154.1 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

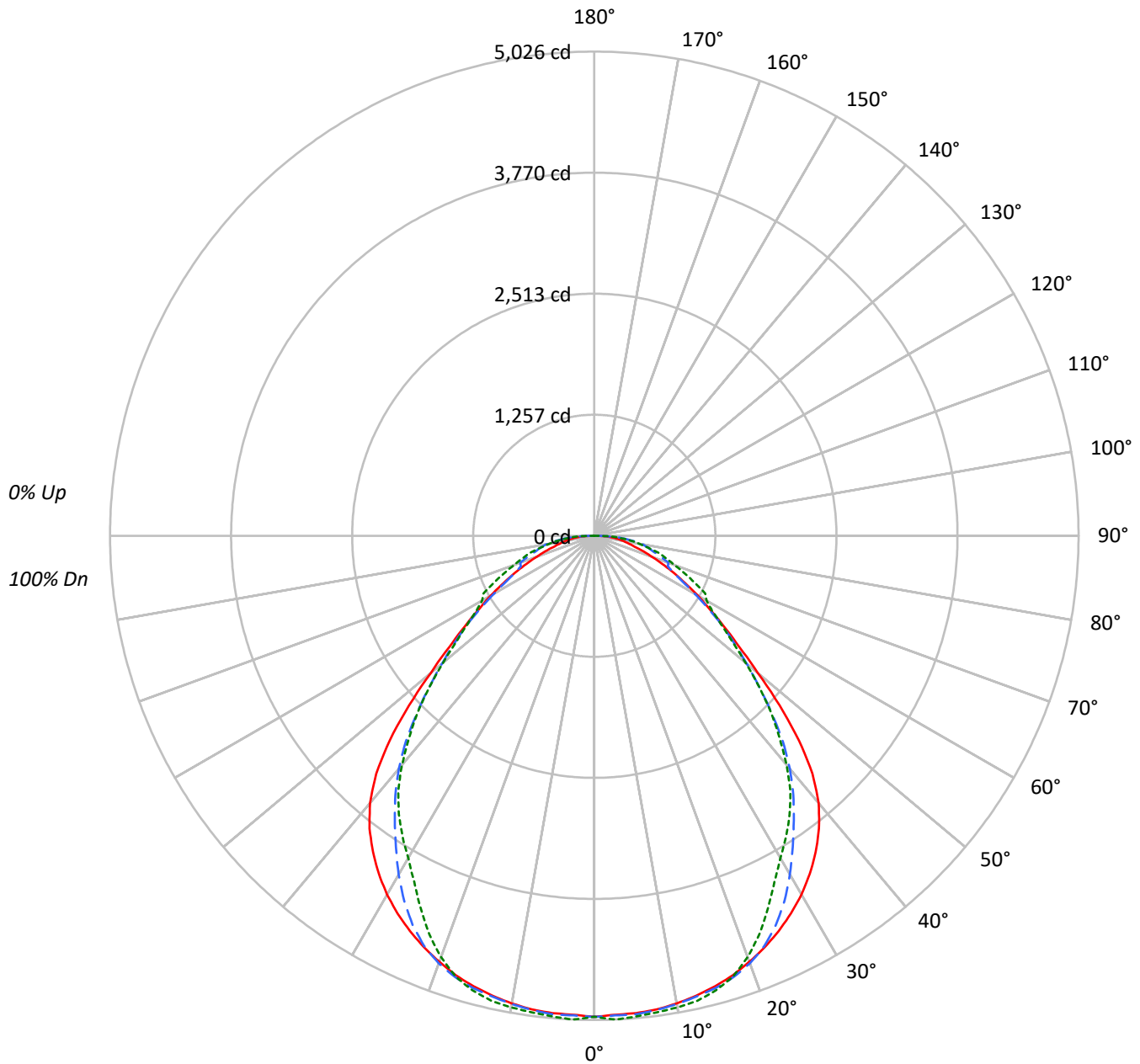
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8062	8062	8062
5°	8061	8079	8118
10°	8081	8091	8151
15°	8094	8124	8164
20°	8086	8116	7995
25°	8065	7944	7599
30°	8018	7570	7201
35°	7897	7114	6966
40°	7633	6652	6542
45°	6860	5940	5918
50°	5564	5174	5138
55°	4620	4534	4533
60°	4000	3883	4342
65°	3467	3445	4376
70°	2989	3865	4172
75°	2681	3961	4349
80°	2787	4663	4364
85°	3162	5374	4985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.4	4.1
10°-20°	1373.0	11.9
20°-30°	2039.2	17.6
30°-40°	2315.0	20.0
40°-50°	2069.5	17.9
50°-60°	1430.9	12.4
60°-70°	944.2	8.2
70°-80°	637.0	5.5
80°-90°	272.8	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°	3887.6	33.6
0°-40°	6202.6	53.7
0°-60°	9703.0	84.0
0°-90°	11557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4993	4993	4993	4993	4993	
5°	4974	5004	4984	5005	5009	473
15°	4842	4865	4860	4887	4884	1367
25°	4527	4570	4459	4326	4265	2086
35°	4006	3922	3610	3557	3534	2498
45°	3004	2750	2601	2621	2592	2285
55°	1641	1498	1611	1588	1610	1491
65°	908	806	902	1054	1146	906
75°	430	540	635	678	697	469
85°	171	238	290	292	269	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4993.0	4993.0	4993.0	4993.0	4993.0
2.5°	4976.0	5007.1	4983.9	5005.4	5026.3
5°	4973.7	5004.3	4984.5	5004.8	5008.8
7.5°	4959.6	4987.9	4964.7	4984.5	4989.0
10°	4929.1	4962.4	4935.3	4965.8	4971.5
12.5°	4889.5	4923.4	4899.7	4941.5	4943.8
15°	4842.0	4865.2	4860.1	4887.2	4883.9
17.5°	4782.1	4808.7	4804.7	4811.5	4795.7
20°	4705.8	4735.7	4723.3	4692.2	4653.2
22.5°	4623.8	4659.9	4610.8	4532.2	4477.3
25°	4527.1	4570.1	4459.3	4326.4	4265.3
27.5°	4420.2	4458.7	4274.4	4111.5	4048.2
30°	4300.4	4316.7	4060.1	3905.1	3862.2
32.5°	4161.8	4138.1	3831.1	3728.8	3703.9
35°	4006.4	3922.1	3609.5	3556.9	3534.2
37.5°	3831.1	3676.8	3390.7	3366.4	3342.6
40°	3621.4	3393.5	3156.0	3140.2	3104.0
42.5°	3350.5	3085.3	2895.4	2876.7	2844.5
45°	3004.5	2750.0	2601.4	2621.2	2591.8
47.5°	2606.4	2413.7	2319.3	2373.5	2319.3
50°	2215.2	2085.7	2059.7	2108.9	2045.6
52.5°	1894.6	1778.2	1831.9	1840.3	1802.5
55°	1641.3	1498.3	1610.8	1588.2	1610.2
57.5°	1420.8	1260.8	1399.4	1373.3	1449.1
60°	1238.8	1059.0	1202.6	1196.9	1344.5
62.5°	1060.1	916.5	1031.8	1115.0	1296.4
65°	907.5	805.7	901.8	1054.5	1145.5
67.5°	761.0	722.6	824.9	909.7	1009.2
70°	633.2	653.0	818.7	802.8	883.7
72.5°	525.8	593.1	722.6	725.4	782.5
75°	429.7	540.5	635.0	678.5	697.1
77.5°	357.3	490.2	573.3	588.6	570.5
80°	299.7	431.9	501.5	494.7	469.3
82.5°	242.0	327.4	395.2	401.5	371.5
85°	170.7	237.5	290.1	291.8	269.1
87.5°	91.6	146.5	175.9	180.9	167.3
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)