

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: P730328

Luminaire Tested: **HBLED-LD5-12SE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730328
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-L735
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: 10954.0 lumens
Efficiency: N/A
Efficacy: 146.1 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

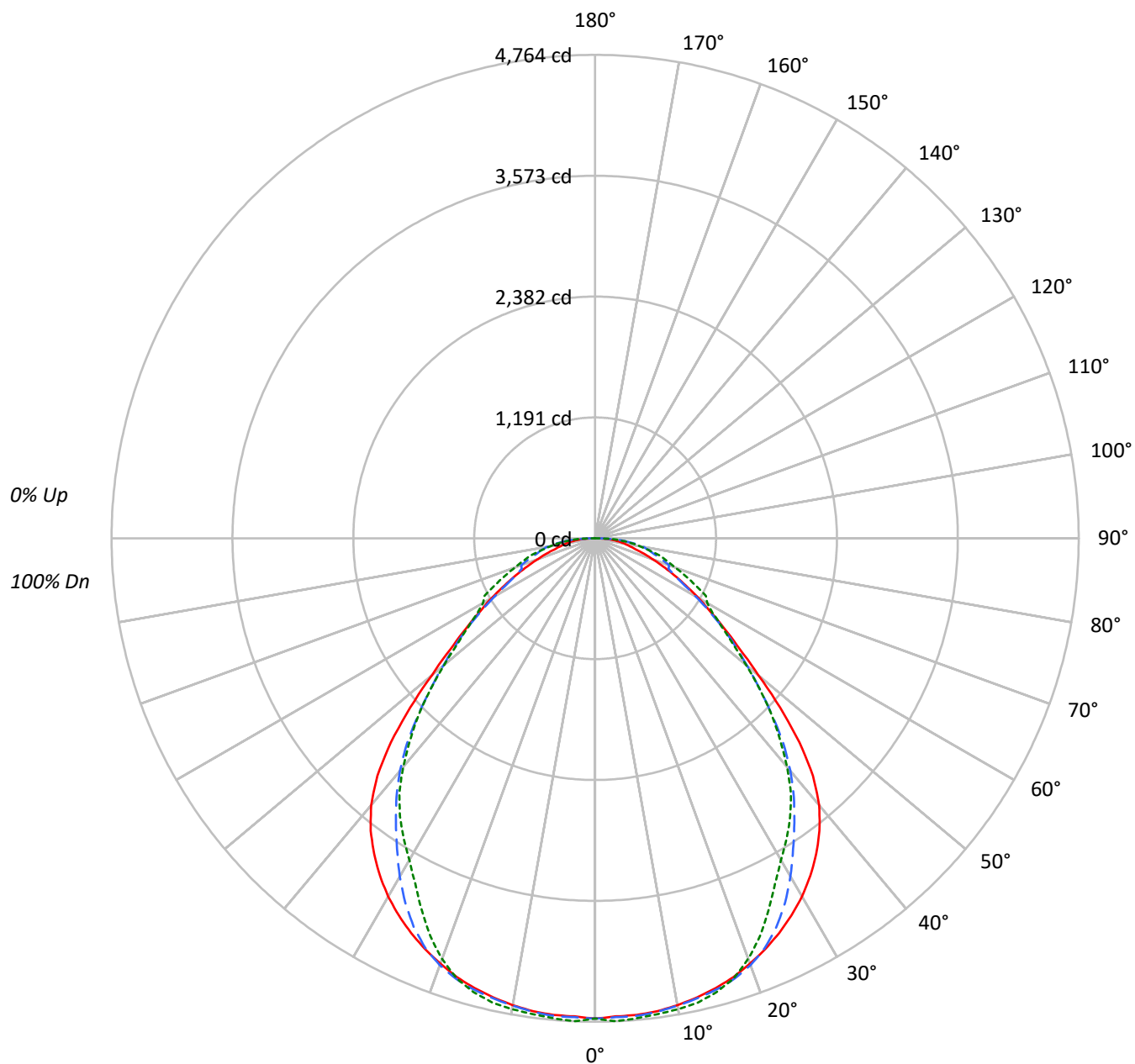
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7641	7641	7641
5°	7641	7657	7695
10°	7660	7669	7725
15°	7671	7700	7738
20°	7664	7692	7578
25°	7644	7530	7202
30°	7599	7174	6825
35°	7485	6743	6603
40°	7234	6305	6201
45°	6502	5630	5609
50°	5274	4904	4870
55°	4379	4298	4296
60°	3791	3681	4115
65°	3286	3265	4148
70°	2833	3663	3954
75°	2541	3754	4122
80°	2641	4419	4136
85°	2997	5093	4726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.6	4.1
10°-20°	1301.3	11.9
20°-30°	1932.8	17.6
30°-40°	2194.2	20.0
40°-50°	1961.6	17.9
50°-60°	1356.2	12.4
60°-70°	894.9	8.2
70°-80°	603.8	5.5
80°-90°	258.6	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°	3684.7	33.6
0°-40°	5878.9	53.7
0°-60°	9196.7	84.0
0°-90°	10954.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10954.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4732	4732	4732	4732	4732	
5°	4714	4743	4724	4744	4748	449
15°	4589	4611	4606	4632	4629	1295
25°	4291	4332	4227	4101	4043	1977
35°	3797	3718	3421	3371	3350	2368
45°	2848	2607	2466	2484	2456	2166
55°	1556	1420	1527	1505	1526	1413
65°	860	764	855	999	1086	858
75°	407	512	602	643	661	445
85°	162	225	275	276	255	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4732.5	4732.5	4732.5	4732.5	4732.5
2.5°	4716.4	4745.9	4723.9	4744.3	4764.1
5°	4714.2	4743.2	4724.4	4743.7	4747.5
7.5°	4700.8	4727.6	4705.6	4724.4	4728.7
10°	4671.9	4703.5	4677.8	4706.7	4712.1
12.5°	4634.4	4666.6	4644.0	4683.7	4685.8
15°	4589.4	4611.3	4606.5	4632.2	4629.0
17.5°	4532.6	4557.8	4554.0	4560.4	4545.4
20°	4460.2	4488.6	4476.8	4447.4	4410.4
22.5°	4382.5	4416.8	4370.2	4295.7	4243.7
25°	4290.9	4331.6	4226.6	4100.7	4042.8
27.5°	4189.6	4226.0	4051.3	3897.0	3837.0
30°	4076.0	4091.5	3848.2	3701.4	3660.7
32.5°	3944.7	3922.2	3631.2	3534.2	3510.6
35°	3797.3	3717.5	3421.1	3371.3	3349.8
37.5°	3631.2	3484.9	3213.8	3190.7	3168.2
40°	3432.4	3216.4	2991.4	2976.4	2942.0
42.5°	3175.7	2924.4	2744.3	2726.6	2696.1
45°	2847.7	2606.6	2465.6	2484.4	2456.5
47.5°	2470.4	2287.7	2198.2	2249.7	2198.2
50°	2099.6	1976.9	1952.3	1998.9	1938.9
52.5°	1795.8	1685.4	1736.3	1744.3	1708.4
55°	1555.7	1420.1	1526.8	1505.3	1526.2
57.5°	1346.7	1195.0	1326.3	1301.7	1373.5
60°	1174.1	1003.7	1139.9	1134.5	1274.3
62.5°	1004.8	868.7	978.0	1056.8	1228.8
65°	860.1	763.6	854.7	999.4	1085.7
67.5°	721.3	684.9	781.8	862.2	956.6
70°	600.2	618.9	776.0	761.0	837.6
72.5°	498.4	562.2	684.9	687.5	741.7
75°	407.3	512.3	601.8	643.1	660.8
77.5°	338.7	464.6	543.4	557.9	540.7
80°	284.0	409.4	475.3	468.9	444.8
82.5°	229.3	310.3	374.6	380.5	352.1
85°	161.8	225.1	274.9	276.5	255.1
87.5°	86.8	138.8	166.7	171.5	158.6
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)