

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: P730346

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CLI-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11538.0 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

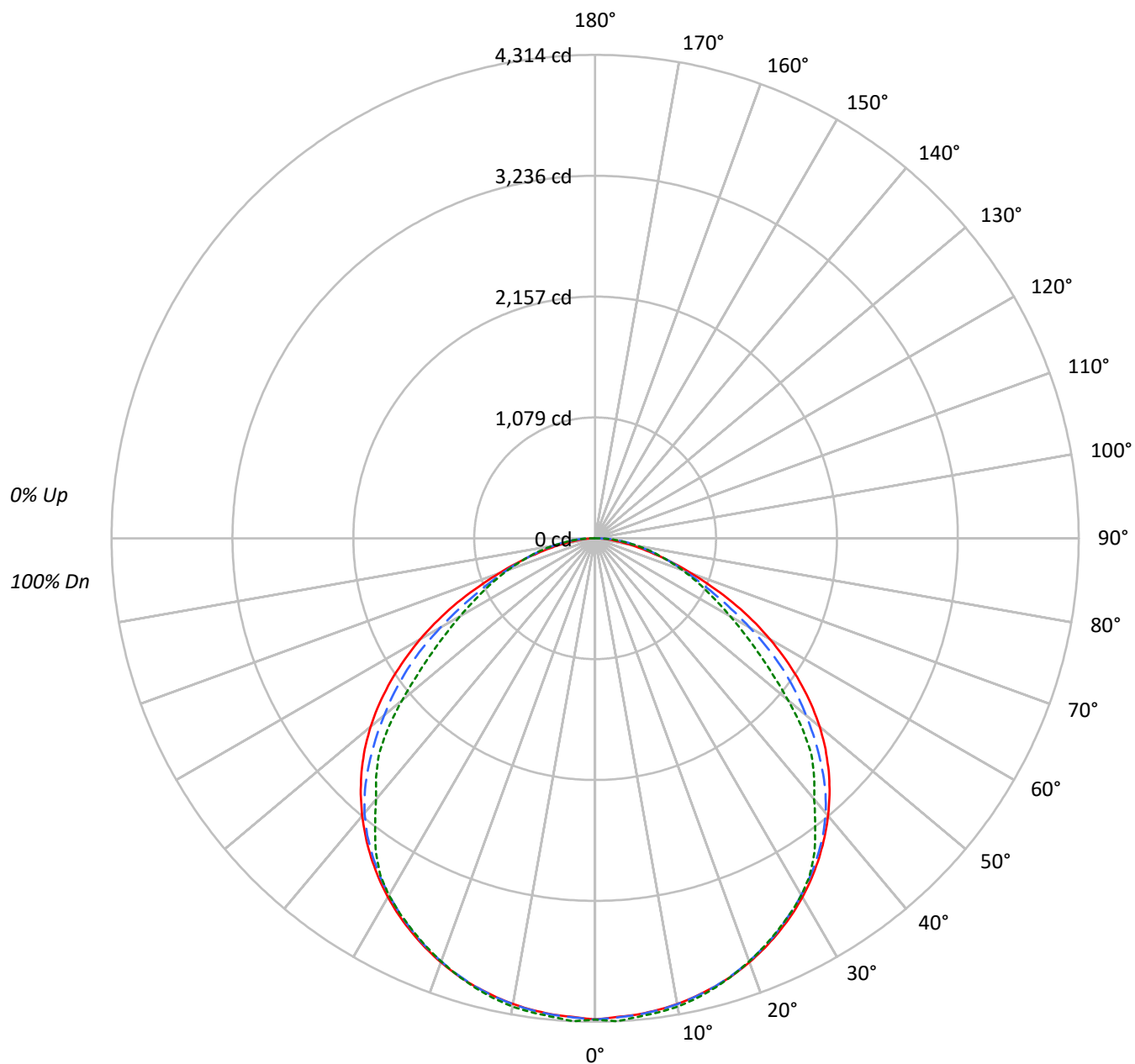
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6934	6934	6934
5°	6915	6920	6951
10°	6919	6922	6959
15°	6920	6919	6935
20°	6918	6902	6904
25°	6908	6882	6874
30°	6896	6855	6859
35°	6864	6822	6725
40°	6815	6746	6405
45°	6729	6513	6228
50°	6567	6167	5641
55°	6268	5767	4988
60°	5817	5146	4498
65°	5170	4455	4136
70°	4291	3981	3899
75°	3470	3644	3689
80°	2757	3485	3471
85°	2158	3744	3572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.3	3.5
10°-20°	1171.5	10.2
20°-30°	1786.3	15.5
30°-40°	2161.1	18.7
40°-50°	2189.0	19.0
50°-60°	1809.3	15.7
60°-70°	1195.0	10.4
70°-80°	623.1	5.4
80°-90°	195.3	1.7
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°	3365.0	29.2
0°-40°	5526.2	47.9
0°-60°	9524.5	82.5
0°-90°	11538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4294	4294	4294	4294	4294	
5°	4267	4292	4270	4288	4289	406
15°	4140	4161	4139	4152	4149	1169
25°	3878	3893	3863	3873	3858	1788
35°	3482	3487	3461	3456	3412	2178
45°	2947	2939	2852	2764	2728	2269
55°	2227	2194	2049	1850	1772	1985
65°	1353	1314	1166	1090	1083	1337
75°	556	566	584	592	591	606
85°	116	150	202	201	193	141
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4294.5	4294.5	4294.5	4294.5	4294.5
2.5°	4276.5	4301.7	4280.6	4299.1	4314.1
5°	4266.7	4292.5	4269.8	4288.3	4288.8
7.5°	4247.6	4273.4	4250.2	4268.7	4268.2
10°	4220.3	4244.5	4222.3	4244.5	4244.5
12.5°	4183.2	4206.9	4185.2	4205.8	4202.7
15°	4139.9	4161.0	4139.4	4152.2	4149.1
17.5°	4088.8	4107.9	4083.6	4094.5	4088.3
20°	4026.4	4044.0	4017.2	4031.1	4018.2
22.5°	3956.3	3972.8	3945.5	3955.8	3941.3
25°	3877.5	3892.9	3863.0	3872.8	3858.4
27.5°	3792.4	3806.3	3772.8	3784.6	3773.3
30°	3699.0	3705.8	3676.9	3692.4	3679.0
32.5°	3594.9	3599.0	3573.8	3587.7	3565.0
35°	3482.5	3487.2	3460.9	3456.2	3411.9
37.5°	3362.4	3364.5	3339.7	3297.9	3224.7
40°	3233.5	3232.5	3200.5	3104.1	3039.1
42.5°	3095.8	3095.4	3039.1	2929.3	2892.2
45°	2946.9	2939.2	2852.5	2763.8	2727.7
47.5°	2787.1	2778.8	2657.6	2587.0	2505.0
50°	2614.3	2599.9	2455.0	2358.6	2245.7
52.5°	2428.2	2406.0	2258.6	2102.9	1996.2
55°	2226.6	2193.6	2048.8	1849.8	1772.0
57.5°	2016.8	1967.8	1827.1	1633.3	1569.9
60°	1801.3	1746.7	1593.5	1434.3	1393.0
62.5°	1579.6	1525.5	1369.3	1249.2	1226.5
65°	1353.3	1314.1	1166.2	1090.4	1082.7
67.5°	1121.3	1107.4	994.5	955.8	952.7
70°	908.9	906.3	843.4	823.8	825.9
72.5°	726.4	723.3	714.1	704.2	704.7
75°	556.3	566.1	584.1	591.8	591.4
77.5°	415.0	435.1	473.3	488.7	486.1
80°	296.5	326.4	374.8	389.3	373.3
82.5°	197.4	228.9	286.1	288.2	275.3
85°	116.5	150.0	202.1	200.6	192.8
87.5°	57.7	90.2	121.1	116.0	110.9
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)