

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: P730299

Luminaire Tested: **HBLED-LD5-12SE-N-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-N-CL-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11542.0 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

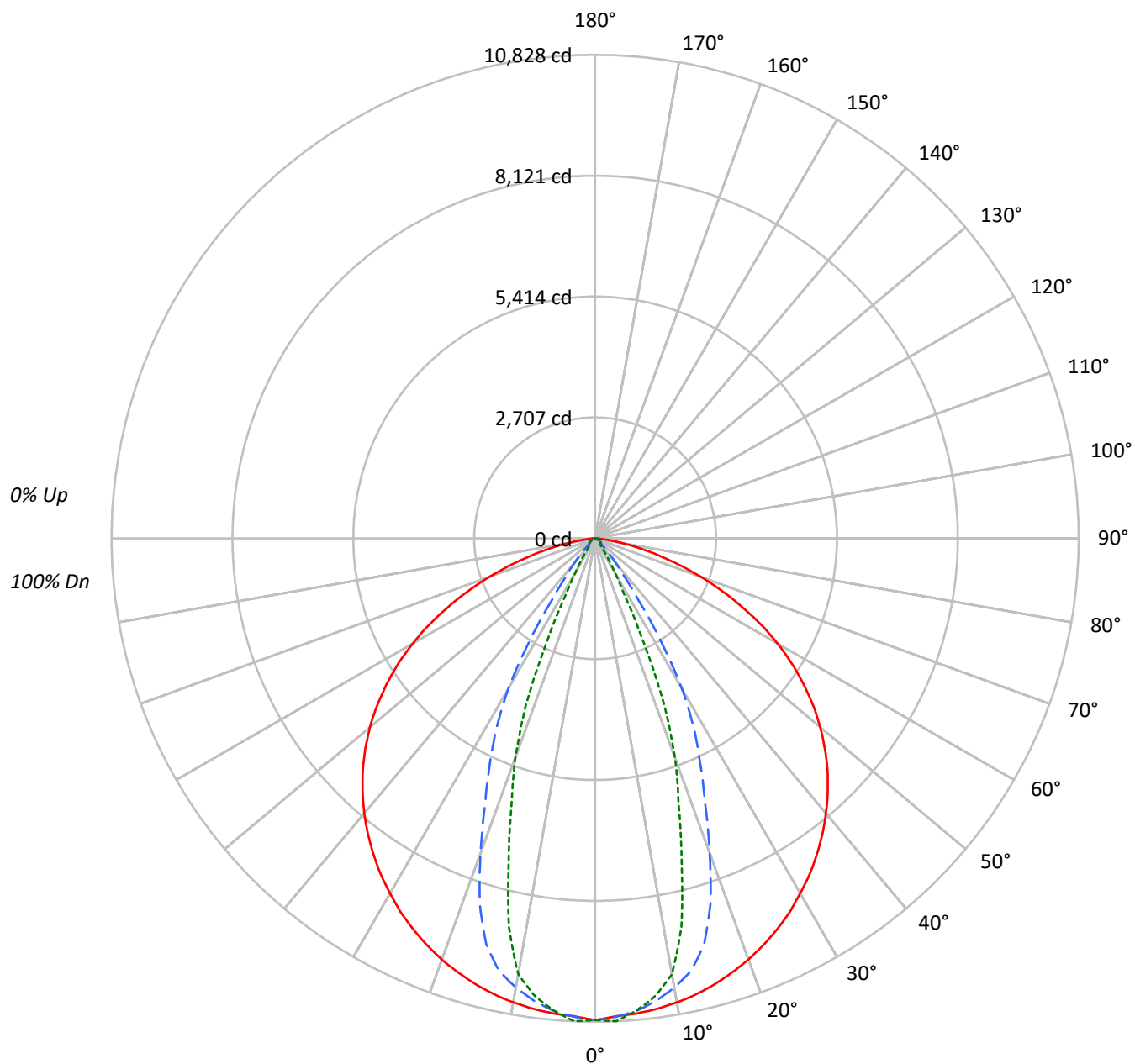
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101		102	100	98		98	97	95		95	94	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		83	79	76		81	78	75
4	92	83	76	71	90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64	85	75	69	64		73	68	63		72	67	63		70	66	62
6	81	71	64	59	80	70	63	58		68	62	58		67	62	58		65	61	57
7	77	66	59	54	75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	43	64	54	47	43		53	47	43		52	47	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17425	17425	17425
5°	17318	17227	17215
10°	17306	16751	16257
15°	17286	15752	12500
20°	17253	12891	8966
25°	17198	9932	4556
30°	17117	7248	1658
35°	17056	3329	577
40°	16951	1511	398
45°	16800	564	403
50°	16532	409	425
55°	16043	431	323
60°	15246	460	285
65°	13826	350	232
70°	11854	253	214
75°	9060	224	203
80°	5669	210	221
85°	1791	246	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.7	8.7
10°-20°	2531.0	21.9
20°-30°	2756.4	23.9
30°-40°	2061.9	17.9
40°-50°	1482.6	12.8
50°-60°	910.5	7.9
60°-70°	523.9	4.5
70°-80°	233.9	2.0
80°-90°	37.1	0.3
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°	6292.1	54.5
0°-40°	8354.0	72.4
0°-60°	10747.1	93.1
0°-90°	11542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10792	10792	10792	10792	10792	
5°	10685	10735	10629	10639	10621	###
15°	10341	10143	9424	8093	7478	2919
25°	9654	8961	5575	3577	2558	4450
35°	8653	6206	1689	496	293	5413
45°	7358	3487	247	183	177	5668
55°	5699	724	153	148	115	5081
65°	3619	80	92	76	61	3582
75°	1452	48	36	37	33	1576
85°	97	9	13	17	16	193
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10792.0	10792.0	10792.0	10792.0	10792.0
2.5°	10717.0	10787.1	10728.0	10781.0	10828.0
5°	10685.0	10735.2	10629.2	10639.1	10621.4
7.5°	10629.7	10641.8	10450.2	10376.2	10340.3
10°	10555.7	10523.1	10217.2	10041.0	9915.7
12.5°	10462.4	10354.7	9927.2	9298.2	8923.3
15°	10341.4	10143.2	9423.6	8093.3	7478.0
17.5°	10197.3	9922.3	8589.7	6745.2	6212.8
20°	10041.0	9678.2	7502.3	5735.1	5218.2
22.5°	9856.6	9366.2	6429.8	4769.8	4060.2
25°	9653.9	8961.4	5575.0	3576.9	2557.5
27.5°	9435.2	8427.3	4783.6	2193.5	1382.8
30°	9181.2	7777.3	3887.8	1231.0	889.1
32.5°	8933.2	7019.7	2777.3	820.1	568.3
35°	8653.2	6206.2	1688.8	496.5	292.7
37.5°	8356.6	5466.7	1057.0	270.0	202.1
40°	8042.4	4765.3	716.8	191.7	188.9
42.5°	7706.6	4130.8	449.0	182.2	188.3
45°	7357.6	3486.9	246.9	182.8	176.7
47.5°	6978.8	2787.8	172.3	172.8	172.3
50°	6581.7	1999.7	162.9	170.7	169.0
52.5°	6153.7	1241.5	163.5	166.8	149.7
55°	5699.2	724.5	153.0	148.0	114.9
57.5°	5221.5	451.7	149.7	122.1	103.3
60°	4721.2	238.6	142.5	109.9	88.3
62.5°	4188.2	117.6	114.3	93.9	72.4
65°	3618.9	79.6	91.7	76.2	60.7
67.5°	3068.8	71.8	69.1	62.4	53.0
70°	2511.1	65.7	53.5	54.7	45.3
72.5°	1963.8	59.6	43.1	46.9	38.1
75°	1452.4	48.1	35.9	37.0	32.6
77.5°	1010.6	37.6	28.2	31.5	30.4
80°	609.7	23.8	22.6	25.9	23.8
82.5°	295.4	15.5	17.7	20.4	18.8
85°	96.7	9.4	13.3	17.1	16.0
87.5°	12.1	5.5	11.0	14.9	13.8
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)