

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: P730347

Luminaire Tested: **HBLED-LD5-12SE-W-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730347
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-L740
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: 11887.0 lumens
Efficiency: N/A
Efficacy: 158.5 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

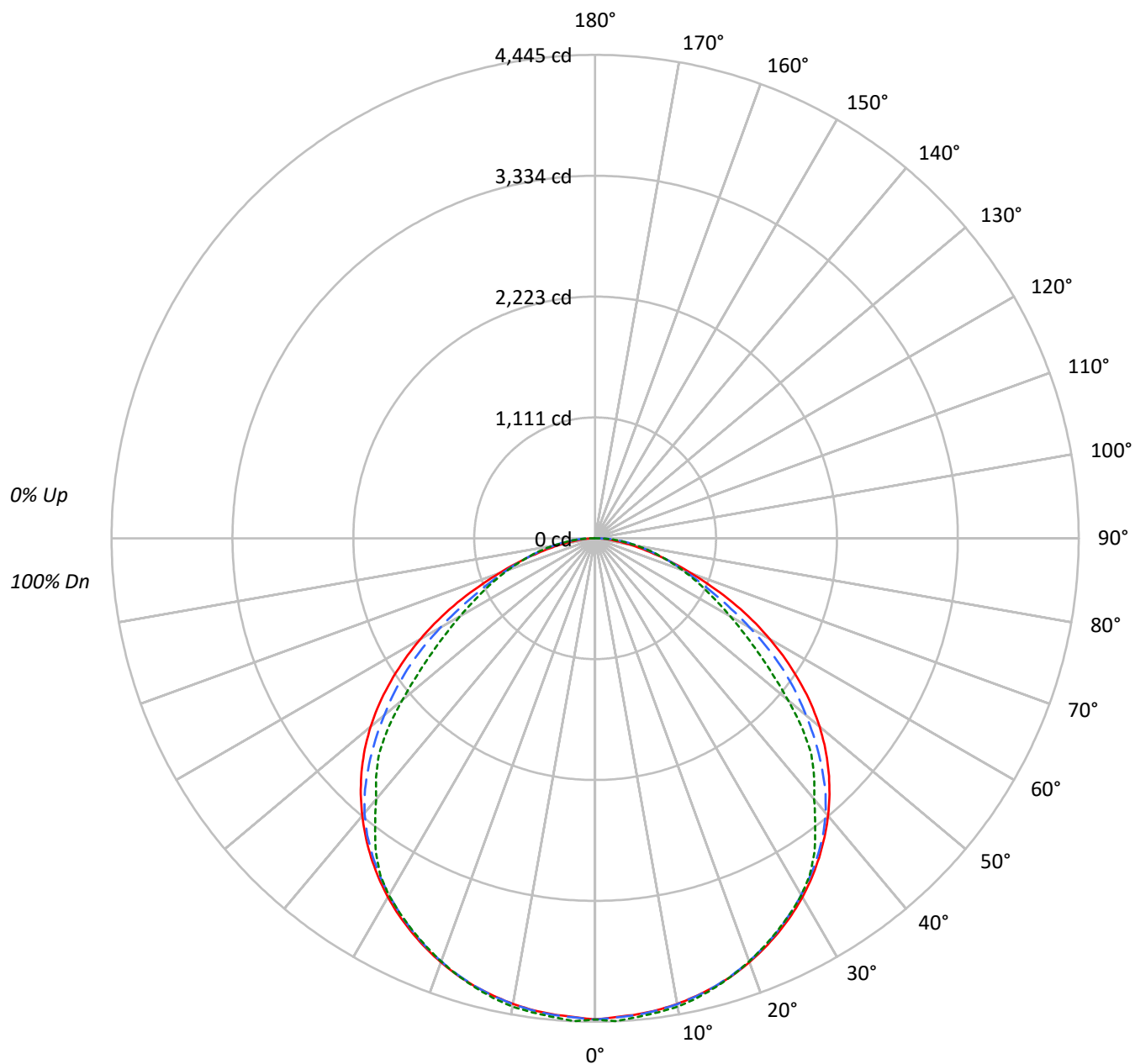
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7144	7144	7144
5°	7124	7130	7161
10°	7128	7132	7169
15°	7129	7128	7145
20°	7127	7111	7113
25°	7117	7090	7082
30°	7105	7062	7066
35°	7072	7028	6928
40°	7021	6950	6599
45°	6932	6710	6417
50°	6765	6353	5812
55°	6457	5942	5139
60°	5993	5301	4634
65°	5327	4590	4261
70°	4420	4102	4017
75°	3575	3754	3800
80°	2840	3591	3576
85°	2223	3857	3679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.6	3.5
10°-20°	1206.9	10.2
20°-30°	1840.3	15.5
30°-40°	2226.5	18.7
40°-50°	2255.3	19.0
50°-60°	1864.0	15.7
60°-70°	1231.2	10.4
70°-80°	642.0	5.4
80°-90°	201.2	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°	3466.8	29.2
0°-40°	5693.3	47.9
0°-60°	9812.6	82.5
0°-90°	11887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4424	4424	4424	4424	4424	
5°	4396	4422	4399	4418	4419	418
15°	4265	4287	4265	4278	4275	1204
25°	3995	4011	3980	3990	3975	1842
35°	3588	3593	3566	3561	3515	2244
45°	3036	3028	2939	2847	2810	2338
55°	2294	2260	2111	1906	1826	2045
65°	1394	1354	1201	1123	1115	1377
75°	573	583	602	610	609	624
85°	120	154	208	207	199	146
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4424.4	4424.4	4424.4	4424.4	4424.4
2.5°	4405.8	4431.8	4410.0	4429.2	4444.6
5°	4395.7	4422.3	4398.9	4418.0	4418.6
7.5°	4376.1	4402.6	4378.7	4397.8	4397.3
10°	4347.9	4372.9	4350.0	4372.9	4372.9
12.5°	4309.7	4334.1	4311.8	4333.0	4329.8
15°	4265.1	4286.8	4264.6	4277.8	4274.6
17.5°	4212.5	4232.2	4207.2	4218.3	4212.0
20°	4148.2	4166.3	4138.7	4153.0	4139.7
22.5°	4076.0	4093.0	4064.8	4075.5	4060.6
25°	3994.7	4010.7	3979.9	3989.9	3975.1
27.5°	3907.1	3921.4	3886.9	3899.1	3887.4
30°	3810.9	3817.9	3788.1	3804.1	3790.2
32.5°	3703.6	3707.9	3681.9	3696.2	3672.8
35°	3587.8	3592.6	3565.6	3560.8	3515.1
37.5°	3464.1	3466.2	3440.8	3397.7	3322.3
40°	3331.3	3330.3	3297.3	3198.0	3131.1
42.5°	3189.5	3189.0	3131.1	3017.9	2979.7
45°	3036.0	3028.1	2938.8	2847.4	2810.2
47.5°	2871.4	2862.8	2738.0	2665.3	2580.8
50°	2693.4	2678.6	2529.3	2429.9	2313.7
52.5°	2501.7	2478.8	2326.9	2166.5	2056.6
55°	2294.0	2260.0	2110.8	1905.8	1825.6
57.5°	2077.8	2027.4	1882.4	1682.7	1617.3
60°	1855.8	1799.5	1641.7	1477.7	1435.1
62.5°	1627.4	1571.7	1410.7	1287.0	1263.6
65°	1394.3	1353.9	1201.4	1123.4	1115.4
67.5°	1155.2	1140.9	1024.6	984.7	981.6
70°	936.4	933.7	868.9	848.7	850.9
72.5°	748.4	745.2	735.7	725.5	726.1
75°	573.1	583.2	601.8	609.7	609.2
77.5°	427.6	448.3	487.6	503.5	500.8
80°	305.4	336.2	386.2	401.0	384.6
82.5°	203.4	235.8	294.8	296.9	283.6
85°	120.0	154.5	208.2	206.6	198.6
87.5°	59.5	92.9	124.8	119.5	114.2
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)