

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: P730341

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CL-WG-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11350.0 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

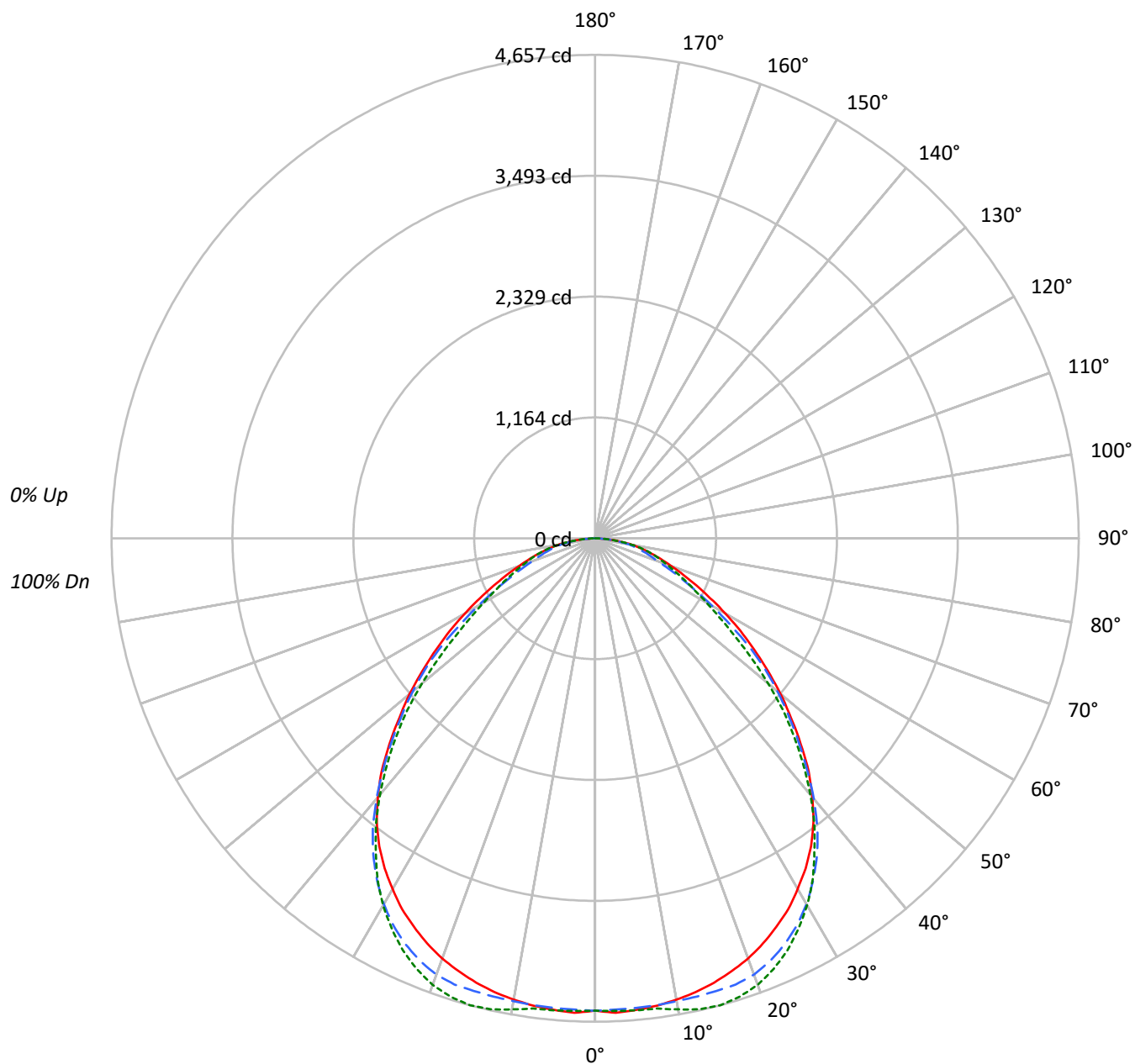
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7348	7348	7348
5°	7391	7361	7397
10°	7398	7423	7556
15°	7407	7546	7784
20°	7402	7685	7864
25°	7357	7691	7804
30°	7272	7590	7614
35°	7142	7344	7256
40°	6861	6903	6794
45°	6393	6326	6197
50°	5853	5759	5464
55°	5257	5062	4619
60°	4663	4189	3988
65°	4108	3480	3619
70°	3674	3020	3447
75°	3442	2936	3486
80°	3351	2969	3318
85°	2675	2349	2436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	3.8
10°-20°	1277.0	11.3
20°-30°	1964.5	17.3
30°-40°	2292.7	20.2
40°-50°	2130.5	18.8
50°-60°	1579.2	13.9
60°-70°	965.4	8.5
70°-80°	549.9	4.8
80°-90°	157.3	1.4
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°	3675.0	32.4
0°-40°	5967.7	52.6
0°-60°	9677.4	85.3
0°-90°	11350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4551	4551	4551	4551	4551	
5°	4560	4539	4542	4538	4564	434
15°	4431	4429	4515	4604	4657	1251
25°	4130	4161	4317	4354	4381	1902
35°	3624	3652	3726	3695	3681	2258
45°	2800	2816	2770	2727	2714	2157
55°	1868	1821	1798	1670	1641	1676
65°	1075	977	911	936	947	1076
75°	552	518	471	536	559	590
85°	144	141	127	132	132	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4551.0	4551.0	4551.0	4551.0	4551.0
2.5°	4575.7	4549.8	4545.1	4534.6	4558.0
5°	4560.4	4539.3	4541.6	4538.1	4564.0
7.5°	4542.8	4527.6	4536.9	4535.7	4569.8
10°	4512.3	4504.1	4527.6	4553.4	4608.6
12.5°	4478.2	4470.0	4521.7	4587.4	4647.3
15°	4431.3	4428.9	4514.6	4603.8	4656.7
17.5°	4372.6	4376.1	4506.4	4582.7	4629.7
20°	4308.0	4313.9	4472.4	4534.6	4576.9
22.5°	4224.7	4244.7	4406.6	4458.3	4491.1
25°	4129.6	4161.3	4317.4	4353.8	4380.8
27.5°	4027.5	4059.2	4207.1	4225.8	4241.1
30°	3900.7	3945.3	4070.9	4073.3	4083.8
32.5°	3771.6	3811.5	3907.8	3897.2	3899.5
35°	3623.7	3651.8	3725.8	3695.3	3681.2
37.5°	3453.5	3468.7	3515.7	3469.9	3467.5
40°	3255.1	3275.0	3275.0	3211.7	3223.4
42.5°	3043.8	3050.8	3021.5	2961.6	2971.0
45°	2799.6	2816.1	2770.3	2726.9	2713.9
47.5°	2557.8	2574.2	2526.1	2475.7	2453.4
50°	2330.1	2321.9	2292.6	2206.8	2175.2
52.5°	2094.2	2068.3	2056.6	1931.0	1894.6
55°	1867.6	1820.7	1798.4	1670.4	1641.0
57.5°	1657.5	1573.0	1530.7	1430.9	1419.2
60°	1443.9	1348.8	1297.1	1232.5	1234.9
62.5°	1250.2	1150.3	1088.2	1069.4	1077.6
65°	1075.3	976.6	910.9	935.6	947.3
67.5°	916.8	835.8	761.8	819.3	831.1
70°	778.3	713.7	639.8	724.3	730.1
72.5°	663.2	610.4	548.2	628.0	640.9
75°	551.7	517.7	470.7	536.5	558.8
77.5°	454.3	427.3	400.3	440.2	464.8
80°	360.4	333.4	319.3	340.4	356.8
82.5°	254.7	237.1	223.0	238.3	246.5
85°	144.4	140.8	126.8	131.5	131.5
87.5°	32.9	37.5	42.3	38.7	32.9
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)