

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: P730364

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-WG-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11762.0 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

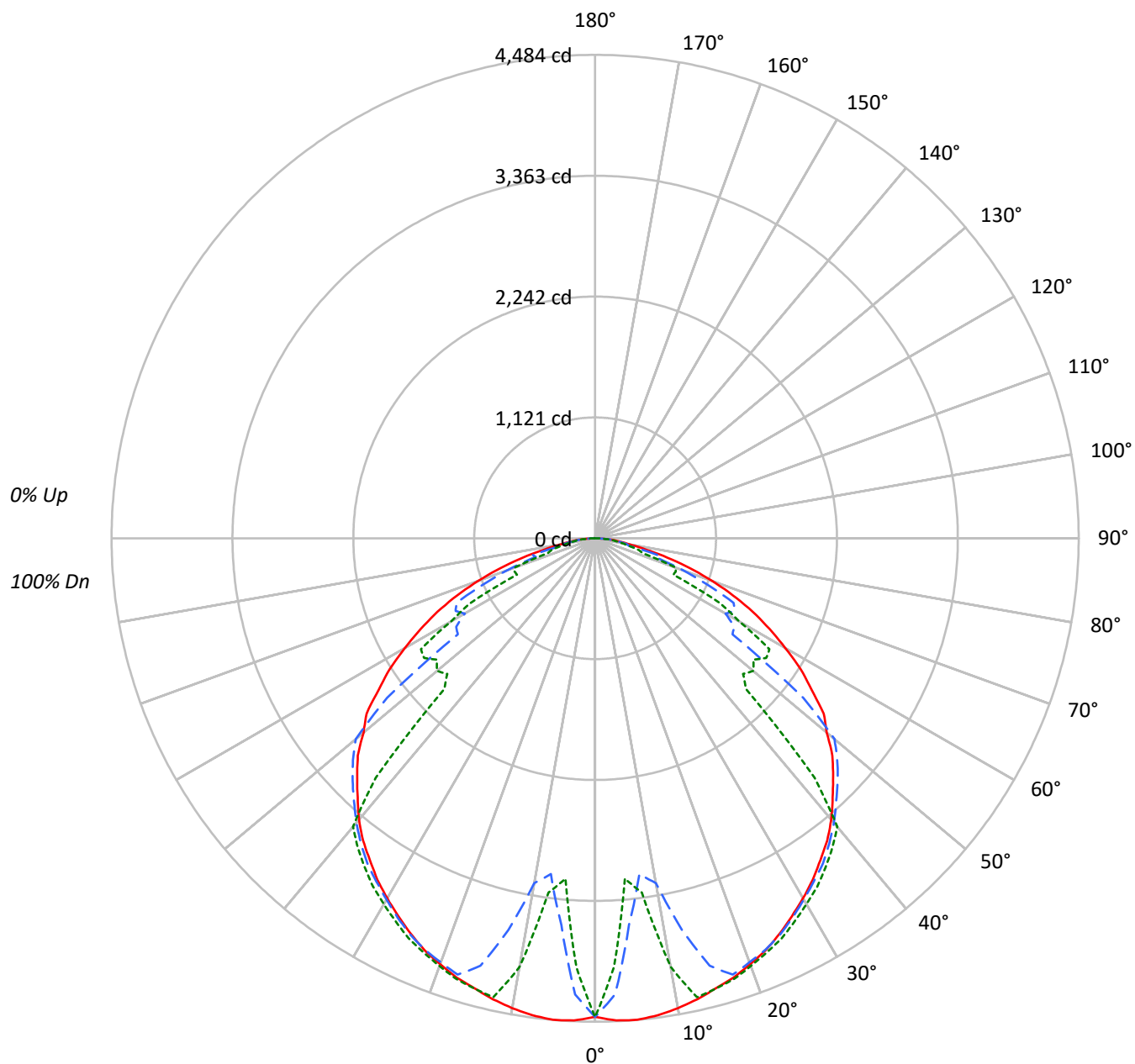
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7168	7168	7168
5°	7268	5839	5135
10°	7256	5325	6623
15°	7223	6863	7230
20°	7223	7191	7254
25°	7211	7227	7293
30°	7190	7213	7306
35°	7178	7258	7343
40°	7179	7257	7362
45°	7123	7262	4513
50°	7042	7277	4810
55°	6894	4376	5451
60°	6576	4510	4992
65°	6162	5415	3054
70°	5441	4103	3744
75°	4335	3729	2596
80°	2987	2695	2232
85°	2862	2488	2360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.0	3.0
10°-20°	1112.2	9.5
20°-30°	1829.9	15.6
30°-40°	2300.8	19.6
40°-50°	2256.5	19.2
50°-60°	1869.7	15.9
60°-70°	1318.7	11.2
70°-80°	575.3	4.9
80°-90°	143.7	1.2
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°	3297.2	28.0
0°-40°	5598.0	47.6
0°-60°	9724.2	82.7
0°-90°	11762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4440	4440	4440	4440	4440	
5°	4484	4174	3603	3266	3168	426
15°	4321	3001	4106	4338	4325	1222
25°	4048	3703	4056	4084	4094	1866
35°	3642	3640	3682	3707	3725	2282
45°	3120	3129	3180	2817	1976	2408
55°	2449	2529	1554	1767	1937	2191
65°	1613	1708	1418	1090	800	1586
75°	695	681	598	391	416	745
85°	154	138	134	128	127	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4439.8	4439.8	4439.8	4439.8	4439.8
2.5°	4476.4	4383.5	4235.9	4050.1	3984.3
5°	4484.4	4173.8	3602.6	3266.5	3168.3
7.5°	4461.6	3793.1	3140.7	3211.3	3315.4
10°	4425.5	3458.7	3248.0	3821.3	4039.5
12.5°	4379.3	3161.4	3720.9	4316.6	4360.1
15°	4321.4	3001.1	4105.9	4338.4	4325.1
17.5°	4272.5	3095.0	4243.9	4294.8	4285.3
20°	4204.0	3282.5	4185.0	4225.8	4222.1
22.5°	4135.0	3504.3	4129.2	4158.4	4158.4
25°	4047.5	3703.4	4056.5	4083.6	4093.7
27.5°	3951.3	3818.1	3965.7	3988.0	4006.0
30°	3856.3	3834.6	3869.1	3897.7	3919.0
32.5°	3756.0	3747.5	3774.6	3804.8	3831.9
35°	3641.8	3639.7	3682.2	3706.6	3725.2
37.5°	3534.6	3527.2	3566.5	3600.5	3614.8
40°	3406.2	3406.2	3443.3	3477.8	3492.7
42.5°	3259.6	3280.3	3309.0	3344.5	3012.2
45°	3119.5	3129.0	3180.5	2816.9	1976.5
47.5°	2984.6	2996.8	3045.7	1810.8	1860.2
50°	2803.6	2858.8	2897.0	1805.6	1914.9
52.5°	2671.4	2695.3	2432.0	1787.5	1849.1
55°	2449.0	2529.1	1554.4	1767.3	1936.6
57.5°	2258.9	2317.3	1528.4	1810.8	1915.9
60°	2036.5	2125.7	1396.7	1747.2	1545.9
62.5°	1823.0	1908.0	1458.3	1375.0	1309.1
65°	1612.8	1707.8	1417.5	1090.4	799.5
67.5°	1382.4	1293.8	1130.8	768.2	808.5
70°	1152.6	903.6	869.1	859.0	793.1
72.5°	916.3	659.4	577.1	644.5	461.3
75°	694.9	681.1	597.8	390.7	416.2
77.5°	482.0	491.6	320.1	381.2	316.4
80°	321.2	278.2	289.8	243.1	240.0
82.5°	222.4	227.2	190.6	184.7	187.4
85°	154.5	137.5	134.3	128.5	127.4
87.5°	51.5	60.0	55.8	50.4	53.6
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)