

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: P730335

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH WIDE 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): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

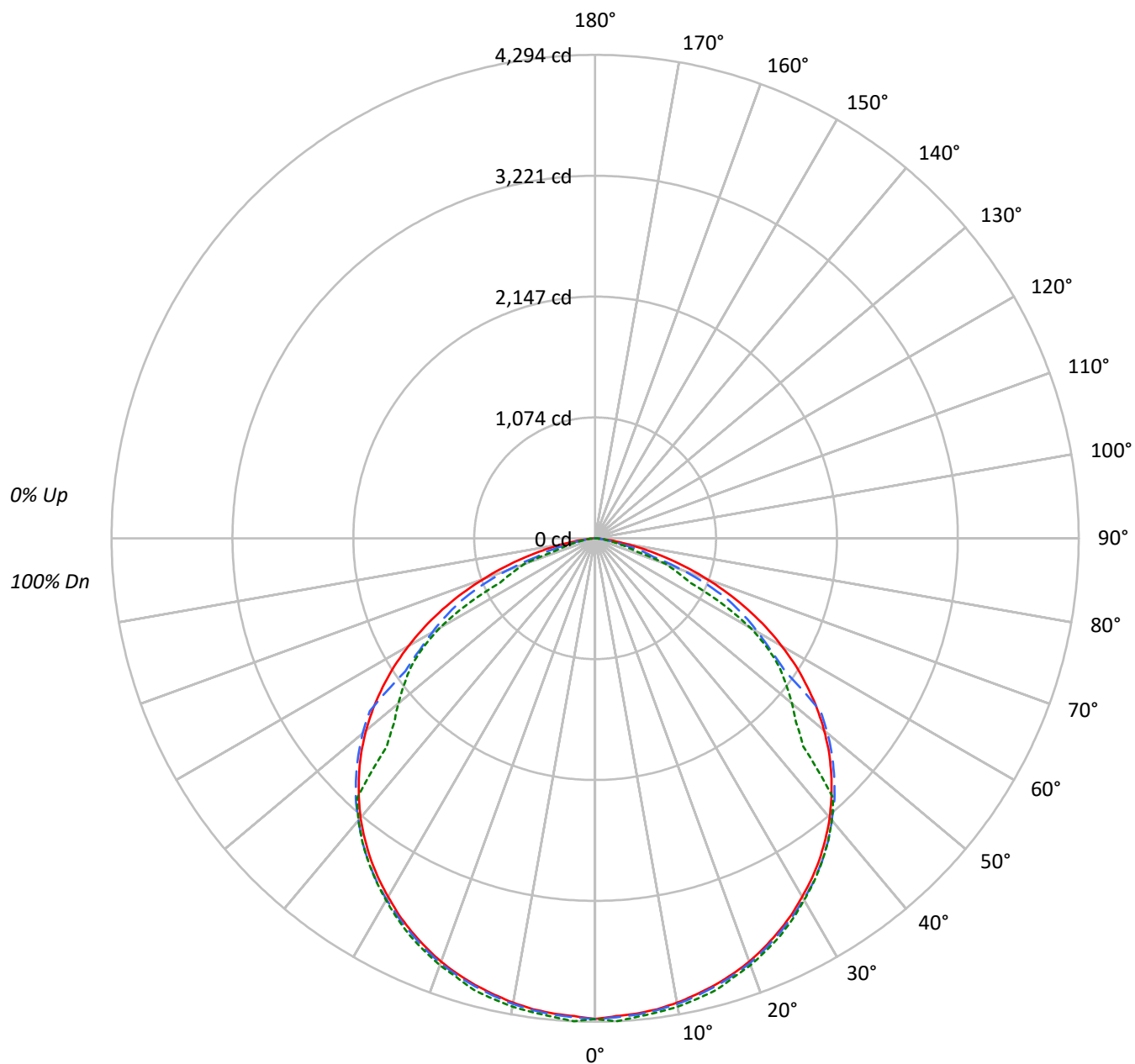
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6893	6893	6893
5°	6868	6883	6917
10°	6868	6887	6927
15°	6867	6888	6944
20°	6876	6902	6934
25°	6868	6894	6935
30°	6855	6905	6921
35°	6852	6914	6919
40°	6830	6890	6890
45°	6772	6854	5971
50°	6667	6768	5730
55°	6478	5793	5628
60°	6174	5385	5141
65°	5710	4999	3561
70°	4972	3890	3173
75°	3927	2611	1706
80°	2528	1247	1063
85°	1041	761	837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.0	3.5
10°-20°	1167.3	10.1
20°-30°	1789.7	15.5
30°-40°	2193.5	19.0
40°-50°	2255.1	19.5
50°-60°	1924.6	16.7
60°-70°	1272.4	11.0
70°-80°	471.4	4.1
80°-90°	63.0	0.5
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°	3361.9	29.1
0°-40°	5555.4	48.1
0°-60°	9735.1	84.3
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°	4269	4269	4269	4269	4269	
5°	4238	4267	4247	4264	4268	403
15°	4108	4133	4121	4152	4154	1160
25°	3855	3875	3870	3904	3893	1777
35°	3476	3500	3508	3530	3510	2174
45°	2966	2995	3002	2997	2615	2285
55°	2301	2343	2058	1998	1999	2053
65°	1494	1507	1308	1076	932	1474
75°	630	552	418	281	273	675
85°	56	40	41	45	45	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4269.3	4269.3	4269.3	4269.3	4269.3
2.5°	4248.5	4275.1	4259.4	4279.2	4294.3
5°	4237.6	4267.3	4247.0	4263.6	4267.8
7.5°	4218.9	4246.5	4227.7	4249.6	4246.5
10°	4188.8	4213.7	4200.7	4223.6	4225.1
12.5°	4150.3	4175.2	4163.3	4191.3	4190.8
15°	4108.2	4133.2	4120.6	4151.9	4154.0
17.5°	4058.8	4081.7	4072.3	4100.9	4089.5
20°	4001.6	4021.4	4016.7	4043.7	4035.4
22.5°	3931.4	3951.7	3947.1	3978.2	3965.7
25°	3855.0	3875.3	3869.6	3904.4	3893.0
27.5°	3772.4	3791.6	3791.1	3823.9	3806.2
30°	3676.7	3702.2	3703.8	3732.9	3712.1
32.5°	3582.2	3606.0	3612.8	3634.1	3616.5
35°	3476.1	3500.0	3507.8	3529.6	3510.4
37.5°	3361.7	3382.0	3396.0	3412.1	3397.1
40°	3240.6	3258.8	3269.2	3288.9	3269.2
42.5°	3105.4	3131.5	3146.0	3160.0	3127.8
45°	2965.6	2995.2	3001.5	2996.8	2615.2
47.5°	2817.5	2849.7	2853.4	2488.4	2418.3
50°	2654.2	2694.8	2694.3	2299.7	2281.0
52.5°	2484.3	2523.3	2521.7	2152.1	2139.6
55°	2301.3	2343.4	2058.0	1998.2	1999.3
57.5°	2114.6	2144.8	1846.4	1849.0	1814.7
60°	1911.9	1940.5	1667.6	1651.5	1592.2
62.5°	1708.7	1720.6	1494.5	1416.0	1303.2
65°	1494.5	1507.0	1308.4	1076.0	932.0
67.5°	1274.6	1287.1	1085.9	800.5	789.6
70°	1053.2	951.3	824.0	667.0	672.1
72.5°	834.8	730.9	538.5	516.7	373.2
75°	629.5	551.5	418.5	281.2	273.4
77.5°	438.2	380.0	224.0	191.8	179.4
80°	271.9	190.8	134.1	119.0	114.3
82.5°	137.8	109.7	72.8	72.8	72.8
85°	56.2	40.0	41.1	44.7	45.2
87.5°	11.9	16.1	19.8	20.3	19.8
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)