

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: P730343

Luminaire Tested: **HBLED-LD5-12SE-W-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730343
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-L835
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: 10530.0 lumens
Efficiency: N/A
Efficacy: 140.4 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

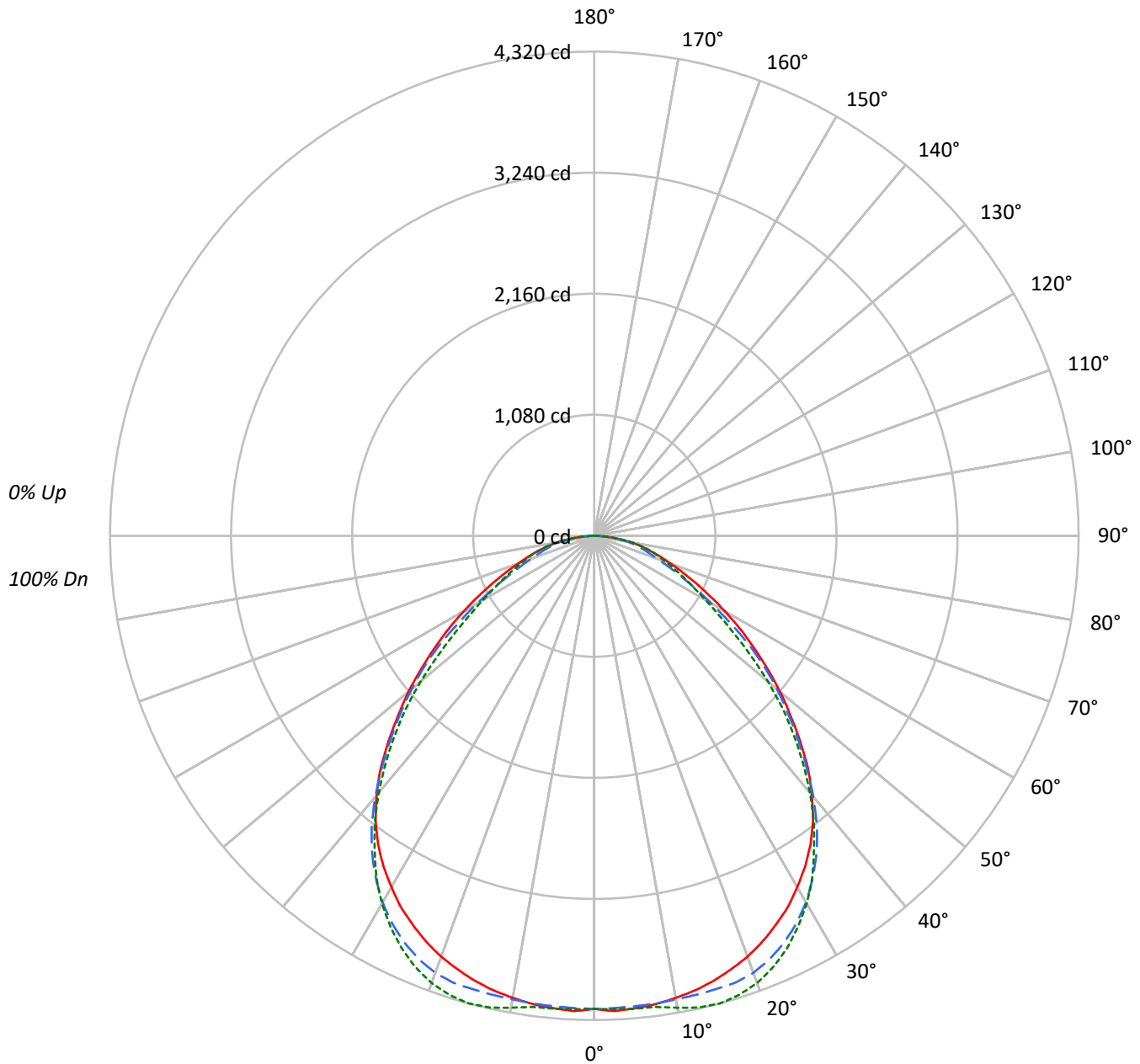
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6817	6817	6817
5°	6857	6829	6863
10°	6863	6887	7010
15°	6872	7001	7221
20°	6867	7129	7296
25°	6825	7136	7241
30°	6747	7041	7064
35°	6626	6813	6732
40°	6365	6404	6303
45°	5931	5868	5749
50°	5430	5342	5069
55°	4877	4696	4286
60°	4325	3886	3700
65°	3811	3229	3357
70°	3408	2802	3198
75°	3193	2724	3234
80°	3108	2754	3078
85°	2481	2179	2260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.2	3.8
10°-20°	1184.7	11.3
20°-30°	1822.6	17.3
30°-40°	2127.0	20.2
40°-50°	1976.6	18.8
50°-60°	1465.1	13.9
60°-70°	895.6	8.5
70°-80°	510.2	4.8
80°-90°	145.9	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°	3409.5	32.4
0°-40°	5536.6	52.6
0°-60°	8978.3	85.3
0°-90°	10530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4222	4222	4222	4222	4222	
5°	4231	4211	4214	4210	4234	402
15°	4111	4109	4188	4271	4320	1160
25°	3831	3861	4006	4039	4064	1765
35°	3362	3388	3457	3428	3415	2095
45°	2597	2613	2570	2530	2518	2001
55°	1733	1689	1668	1550	1522	1555
65°	998	906	845	868	879	998
75°	512	480	437	498	518	548
85°	134	131	118	122	122	154
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4222.2	4222.2	4222.2	4222.2	4222.2
2.5°	4245.1	4221.1	4216.8	4207.0	4228.7
5°	4231.0	4211.3	4213.5	4210.3	4234.2
7.5°	4214.6	4200.5	4209.2	4208.1	4239.7
10°	4186.3	4178.7	4200.5	4224.4	4275.6
12.5°	4154.7	4147.1	4195.0	4256.0	4311.5
15°	4111.2	4108.9	4188.5	4271.2	4320.2
17.5°	4056.7	4060.0	4180.8	4251.6	4295.2
20°	3996.8	4002.2	4149.3	4207.0	4246.2
22.5°	3919.5	3938.0	4088.3	4136.2	4166.7
25°	3831.2	3860.6	4005.5	4039.3	4064.3
27.5°	3736.5	3765.9	3903.1	3920.5	3934.7
30°	3618.9	3660.3	3776.8	3779.0	3788.8
32.5°	3499.1	3536.1	3625.4	3615.6	3617.8
35°	3361.9	3388.0	3456.6	3428.3	3415.2
37.5°	3204.0	3218.1	3261.7	3219.2	3217.0
40°	3019.9	3038.4	3038.4	2979.6	2990.5
42.5°	2823.9	2830.4	2803.2	2747.7	2756.4
45°	2597.4	2612.6	2570.1	2529.9	2517.9
47.5°	2373.0	2388.3	2343.6	2296.8	2276.1
50°	2161.8	2154.1	2126.9	2047.4	2018.0
52.5°	1942.9	1918.9	1908.0	1791.5	1757.7
55°	1732.7	1689.1	1668.4	1549.7	1522.5
57.5°	1537.7	1459.3	1420.1	1327.6	1316.6
60°	1339.5	1251.3	1203.4	1143.5	1145.7
62.5°	1159.9	1067.2	1009.6	992.1	999.7
65°	997.6	906.1	845.1	868.0	878.8
67.5°	850.5	775.4	706.8	760.1	771.0
70°	722.0	662.1	593.5	672.0	677.4
72.5°	615.3	566.3	508.6	582.6	594.6
75°	511.8	480.3	436.7	497.7	518.4
77.5°	421.4	396.4	371.4	408.4	431.3
80°	334.3	309.3	296.2	315.8	331.0
82.5°	236.3	220.0	206.9	221.1	228.7
85°	133.9	130.7	117.6	122.0	122.0
87.5°	30.5	34.8	39.2	35.9	30.5
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)