

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: P730295

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730295
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-LD5-12HE-W-WG-UNV-L835
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11481.0 lumens
Efficiency: N/A
Efficacy: 157.9 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

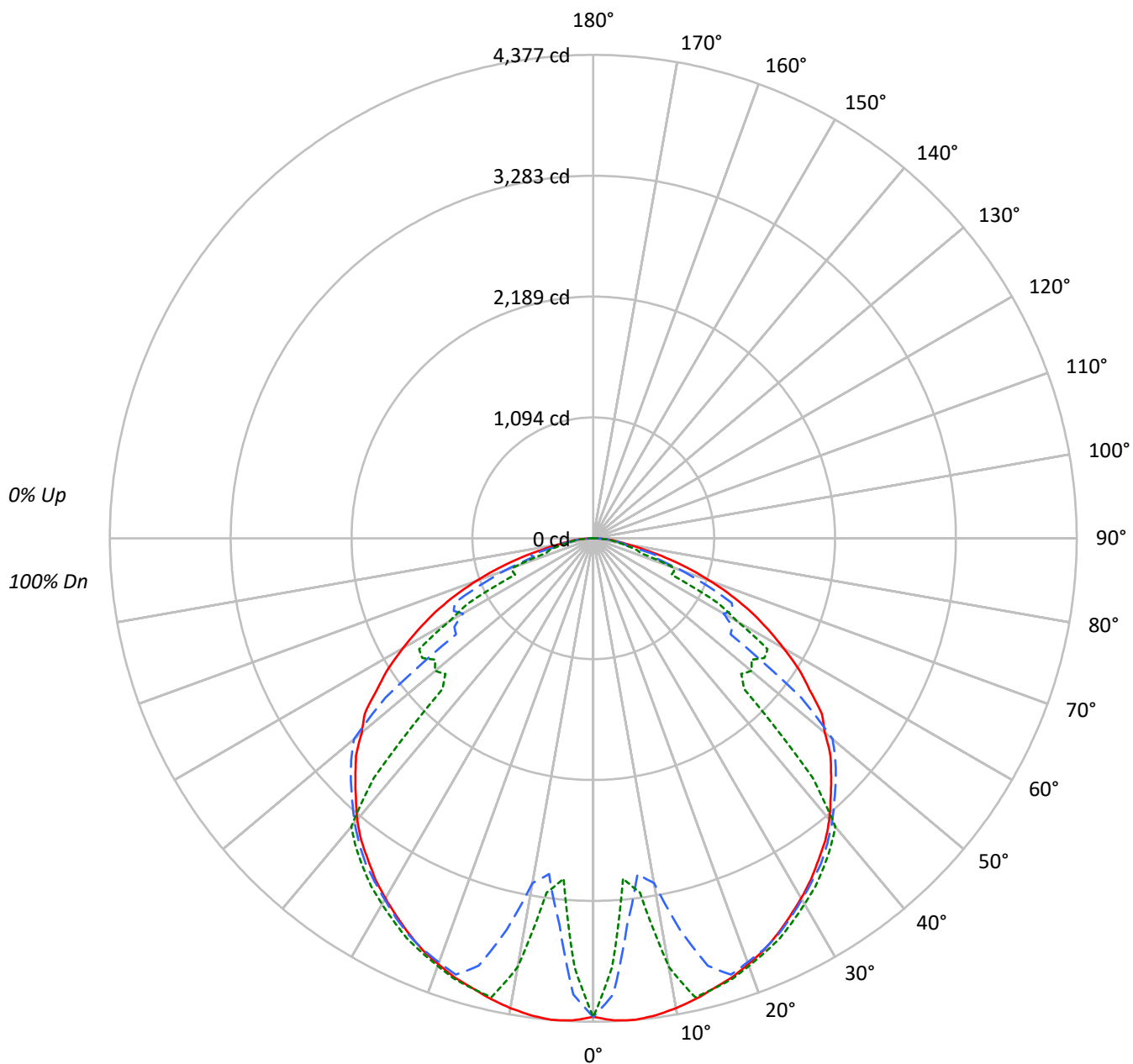
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6997	6997	6997
5°	7094	5699	5012
10°	7082	5198	6465
15°	7051	6699	7057
20°	7051	7019	7081
25°	7038	7054	7119
30°	7018	7041	7132
35°	7007	7084	7167
40°	7008	7084	7186
45°	6953	7089	4405
50°	6874	7103	4695
55°	6729	4271	5321
60°	6419	4403	4873
65°	6015	5286	2981
70°	5311	4005	3655
75°	4231	3640	2535
80°	2915	2630	2178
85°	2794	2429	2305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.5	3.0
10°-20°	1085.7	9.5
20°-30°	1786.2	15.6
30°-40°	2245.9	19.6
40°-50°	2202.6	19.2
50°-60°	1825.0	15.9
60°-70°	1287.2	11.2
70°-80°	561.6	4.9
80°-90°	140.3	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°	3218.4	28.0
0°-40°	5464.2	47.6
0°-60°	9491.9	82.7
0°-90°	11481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4334	4334	4334	4334	4334	
5°	4377	4074	3516	3188	3093	416
15°	4218	2929	4008	4235	4222	1193
25°	3951	3615	3960	3986	3996	1821
35°	3555	3553	3594	3618	3636	2227
45°	3045	3054	3104	2750	1929	2350
55°	2390	2469	1517	1725	1890	2139
65°	1574	1667	1384	1064	780	1548
75°	678	665	584	381	406	727
85°	151	134	131	125	124	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4333.7	4333.7	4333.7	4333.7	4333.7
2.5°	4369.5	4278.8	4134.7	3953.3	3889.1
5°	4377.2	4074.1	3516.5	3188.5	3092.6
7.5°	4355.0	3702.5	3065.7	3134.6	3236.2
10°	4319.7	3376.1	3170.4	3730.0	3943.0
12.5°	4274.6	3085.9	3632.0	4213.5	4256.0
15°	4218.1	2929.4	4007.8	4234.7	4221.8
17.5°	4170.5	3021.1	4142.5	4192.2	4182.9
20°	4103.6	3204.0	4085.0	4124.9	4121.2
22.5°	4036.2	3420.6	4030.5	4059.1	4059.1
25°	3950.8	3615.0	3959.5	3986.0	3995.9
27.5°	3856.9	3726.9	3870.9	3892.7	3910.3
30°	3764.2	3743.0	3776.7	3804.6	3825.3
32.5°	3666.3	3658.0	3684.4	3713.9	3740.3
35°	3554.8	3552.8	3594.2	3618.0	3636.2
37.5°	3450.2	3442.9	3481.3	3514.4	3528.4
40°	3324.8	3324.8	3361.0	3394.7	3409.3
42.5°	3181.7	3202.0	3229.9	3264.6	2940.3
45°	3044.9	3054.3	3104.5	2749.6	1929.3
47.5°	2913.3	2925.2	2972.9	1767.6	1815.8
50°	2736.6	2790.5	2827.8	1762.4	1869.2
52.5°	2607.6	2630.9	2373.9	1744.8	1804.9
55°	2390.5	2468.7	1517.3	1725.1	1890.4
57.5°	2205.0	2262.0	1491.9	1767.6	1870.2
60°	1987.8	2074.9	1363.4	1705.4	1509.0
62.5°	1779.5	1862.4	1423.5	1342.2	1277.9
65°	1574.3	1667.0	1383.6	1064.4	780.4
67.5°	1349.4	1262.9	1103.8	749.8	789.2
70°	1125.0	882.0	848.3	838.5	774.2
72.5°	894.4	643.6	563.3	629.1	450.3
75°	678.3	664.9	583.5	381.4	406.3
77.5°	470.5	479.9	312.5	372.0	308.8
80°	313.5	271.6	282.9	237.3	234.2
82.5°	217.1	221.8	186.0	180.3	182.9
85°	150.8	134.2	131.1	125.4	124.4
87.5°	50.2	58.6	54.4	49.2	52.4
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)