

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: P730262

Luminaire Tested: **HBLED-LD5-12HE-W-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730262
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-LD5-12HE-W-CL-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11439.0 lumens
Efficiency: N/A
Efficacy: 157.3 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

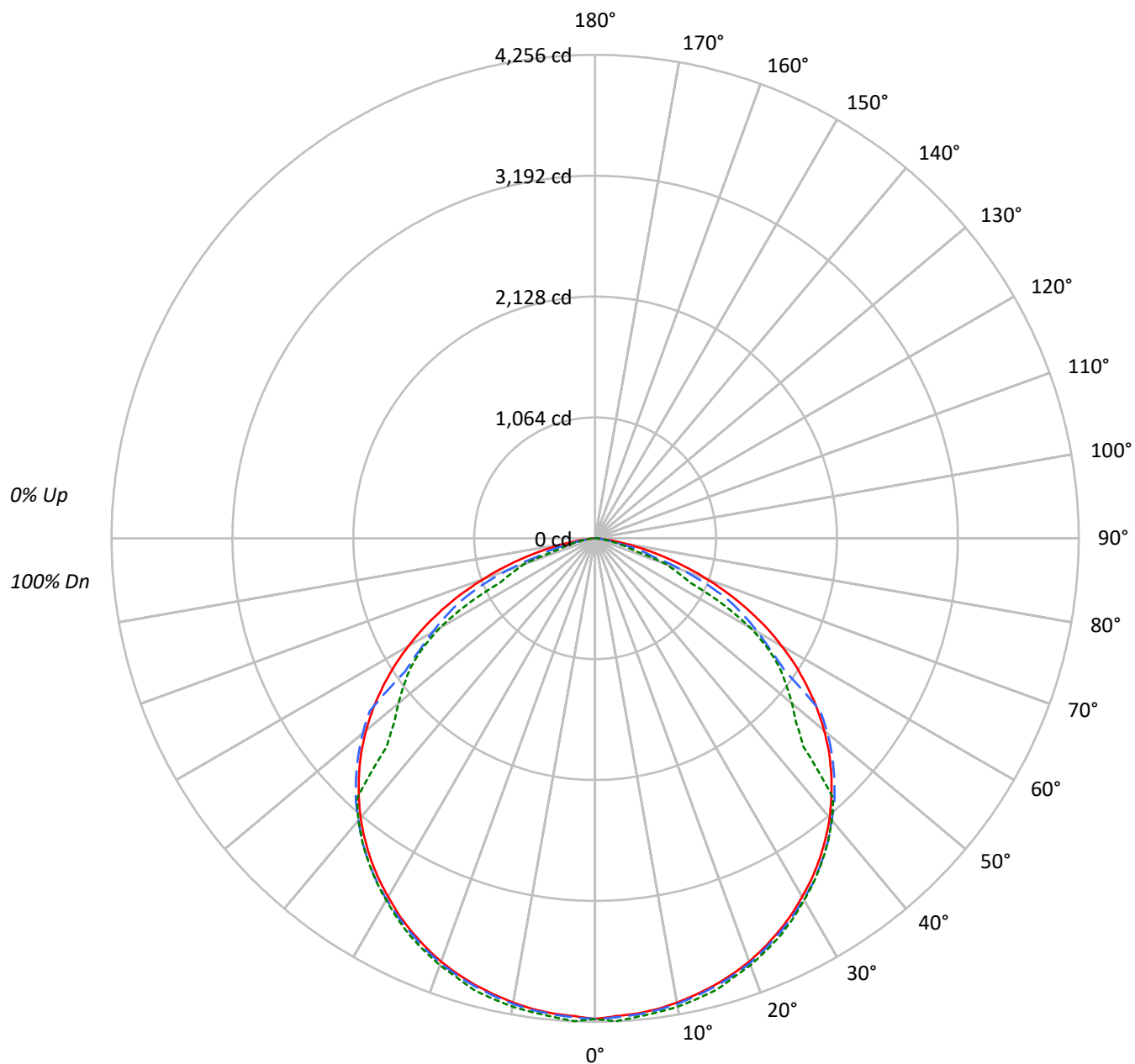
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6832	6832	6832
5°	6807	6822	6855
10°	6806	6826	6865
15°	6806	6826	6882
20°	6814	6840	6872
25°	6806	6832	6874
30°	6794	6844	6859
35°	6790	6852	6857
40°	6769	6829	6829
45°	6711	6792	5918
50°	6607	6707	5679
55°	6420	5741	5578
60°	6119	5337	5096
65°	5659	4954	3529
70°	4928	3855	3144
75°	3892	2587	1691
80°	2505	1236	1053
85°	1032	754	830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.4	3.5
10°-20°	1156.9	10.1
20°-30°	1773.7	15.5
30°-40°	2173.9	19.0
40°-50°	2235.0	19.5
50°-60°	1907.4	16.7
60°-70°	1261.0	11.0
70°-80°	467.2	4.1
80°-90°	62.5	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°	3331.9	29.1
0°-40°	5505.9	48.1
0°-60°	9648.3	84.3
0°-90°	11439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4231	4231	4231	4231	4231	
5°	4200	4229	4209	4226	4230	399
15°	4072	4096	4084	4115	4117	1150
25°	3821	3841	3835	3870	3858	1762
35°	3445	3469	3476	3498	3479	2155
45°	2939	2968	2975	2970	2592	2265
55°	2281	2322	2040	1980	1981	2035
65°	1481	1494	1297	1066	924	1461
75°	624	547	415	279	271	669
85°	56	40	41	44	45	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4231.2	4231.2	4231.2	4231.2	4231.2
2.5°	4210.6	4236.9	4221.4	4241.0	4255.9
5°	4199.8	4229.2	4209.1	4225.6	4229.7
7.5°	4181.3	4208.6	4190.0	4211.7	4208.6
10°	4151.4	4176.1	4163.2	4185.9	4187.4
12.5°	4113.3	4138.0	4126.1	4153.9	4153.4
15°	4071.5	4096.3	4083.9	4114.8	4116.9
17.5°	4022.6	4045.3	4036.0	4064.3	4053.0
20°	3965.9	3985.5	3980.8	4007.7	3999.4
22.5°	3896.3	3916.4	3911.8	3942.7	3930.3
25°	3820.6	3840.7	3835.1	3869.6	3858.3
27.5°	3738.7	3757.8	3757.2	3789.7	3772.2
30°	3643.9	3669.2	3670.7	3699.6	3679.0
32.5°	3550.2	3573.9	3580.6	3601.7	3584.2
35°	3445.1	3468.7	3476.5	3498.1	3479.1
37.5°	3331.7	3351.8	3365.7	3381.7	3366.7
40°	3211.7	3229.7	3240.0	3259.6	3240.0
42.5°	3077.7	3103.5	3117.9	3131.8	3099.9
45°	2939.1	2968.5	2974.7	2970.0	2591.9
47.5°	2792.3	2824.3	2827.9	2466.2	2396.7
50°	2630.5	2670.8	2670.2	2279.2	2260.7
52.5°	2462.1	2500.7	2499.2	2132.9	2120.5
55°	2280.7	2322.5	2039.6	1980.4	1981.4
57.5°	2095.8	2125.6	1830.0	1832.5	1798.5
60°	1894.9	1923.2	1652.7	1636.8	1578.0
62.5°	1693.4	1705.3	1481.2	1403.4	1291.6
65°	1481.2	1493.5	1296.7	1066.4	923.7
67.5°	1263.3	1275.6	1076.2	793.4	782.5
70°	1043.8	942.8	816.6	661.0	666.1
72.5°	827.4	724.4	533.7	512.1	369.9
75°	623.9	546.6	414.7	278.7	271.0
77.5°	434.3	376.6	222.0	190.1	177.8
80°	269.4	189.1	132.9	118.0	113.3
82.5°	136.5	108.7	72.1	72.1	72.1
85°	55.7	39.7	40.7	44.3	44.8
87.5°	11.8	16.0	19.6	20.1	19.6
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)