

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: P730277

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-CLI-UNV-L835
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11262.0 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

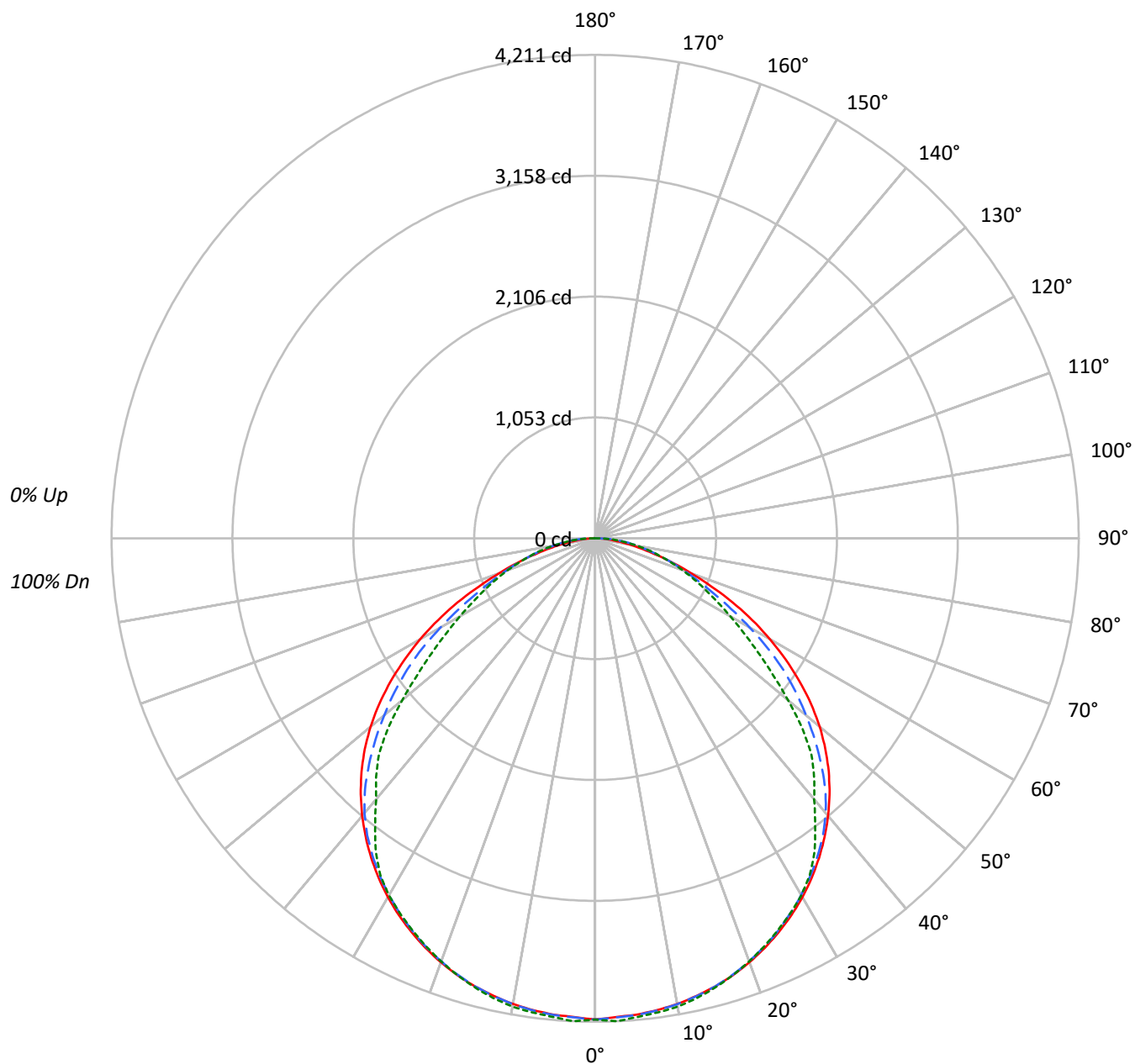
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	102	99	95	98	95	92		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71
4	84	72	64	57	81	71	63	57	68	61	56		66	60	55		64
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6768	6768	6768
5°	6750	6755	6785
10°	6754	6757	6792
15°	6754	6754	6770
20°	6753	6737	6739
25°	6742	6717	6709
30°	6731	6691	6695
35°	6700	6658	6564
40°	6652	6584	6252
45°	6568	6358	6079
50°	6410	6019	5506
55°	6118	5629	4869
60°	5678	5023	4391
65°	5046	4349	4037
70°	4188	3887	3805
75°	3387	3556	3601
80°	2691	3402	3387
85°	2106	3655	3486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.5	3.5
10°-20°	1143.4	10.2
20°-30°	1743.6	15.5
30°-40°	2109.4	18.7
40°-50°	2136.7	19.0
50°-60°	1766.0	15.7
60°-70°	1166.4	10.4
70°-80°	608.2	5.4
80°-90°	190.7	1.7
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°	3284.5	29.2
0°-40°	5394.0	47.9
0°-60°	9296.7	82.5
0°-90°	11262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4192	4192	4192	4192	4192	
5°	4165	4190	4168	4186	4186	396
15°	4041	4061	4040	4053	4050	1141
25°	3785	3800	3771	3780	3766	1745
35°	3399	3404	3378	3374	3330	2126
45°	2876	2869	2784	2698	2662	2215
55°	2173	2141	2000	1806	1730	1937
65°	1321	1283	1138	1064	1057	1305
75°	543	552	570	578	577	592
85°	114	146	197	196	188	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4191.8	4191.8	4191.8	4191.8	4191.8
2.5°	4174.2	4198.8	4178.2	4196.3	4210.9
5°	4164.6	4189.8	4167.6	4185.7	4186.3
7.5°	4146.0	4171.2	4148.5	4166.6	4166.1
10°	4119.3	4143.0	4121.3	4143.0	4143.0
12.5°	4083.1	4106.2	4085.1	4105.2	4102.2
15°	4040.8	4061.4	4040.3	4052.9	4049.9
17.5°	3991.0	4009.6	3986.0	3996.5	3990.5
20°	3930.1	3947.2	3921.1	3934.7	3922.0
22.5°	3861.6	3877.8	3851.1	3861.2	3847.1
25°	3784.7	3799.8	3770.6	3780.2	3766.1
27.5°	3701.6	3715.2	3682.5	3694.1	3683.0
30°	3610.6	3617.1	3588.9	3604.0	3591.0
32.5°	3508.9	3513.0	3488.3	3501.8	3479.7
35°	3399.2	3403.7	3378.1	3373.6	3330.3
37.5°	3282.0	3284.0	3259.8	3219.0	3147.6
40°	3156.2	3155.2	3124.0	3029.9	2966.4
42.5°	3021.8	3021.3	2966.4	2859.3	2823.0
45°	2876.4	2868.8	2784.3	2697.7	2662.5
47.5°	2720.4	2712.3	2594.1	2525.2	2445.1
50°	2551.8	2537.7	2396.3	2302.2	2192.0
52.5°	2370.1	2348.5	2204.6	2052.6	1948.4
55°	2173.4	2141.2	1999.8	1805.6	1729.6
57.5°	1968.6	1920.8	1783.4	1594.2	1532.3
60°	1758.2	1704.9	1555.4	1400.0	1359.7
62.5°	1541.8	1489.0	1336.5	1219.3	1197.1
65°	1320.9	1282.7	1138.3	1064.3	1056.8
67.5°	1094.5	1080.9	970.7	933.0	929.9
70°	887.2	884.7	823.3	804.1	806.1
72.5°	709.0	706.0	697.0	687.4	687.9
75°	543.0	552.5	570.1	577.7	577.2
77.5°	405.1	424.7	461.9	477.0	474.5
80°	289.4	318.5	365.9	379.9	364.3
82.5°	192.7	223.4	279.3	281.3	268.7
85°	113.7	146.4	197.3	195.8	188.2
87.5°	56.3	88.1	118.2	113.2	108.2
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)