

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: P731141

Luminaire Tested: **HBLED-LD5-60HE-W-AI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-60HE-W-AI-UNV-L835
Description: 60000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53322.0 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

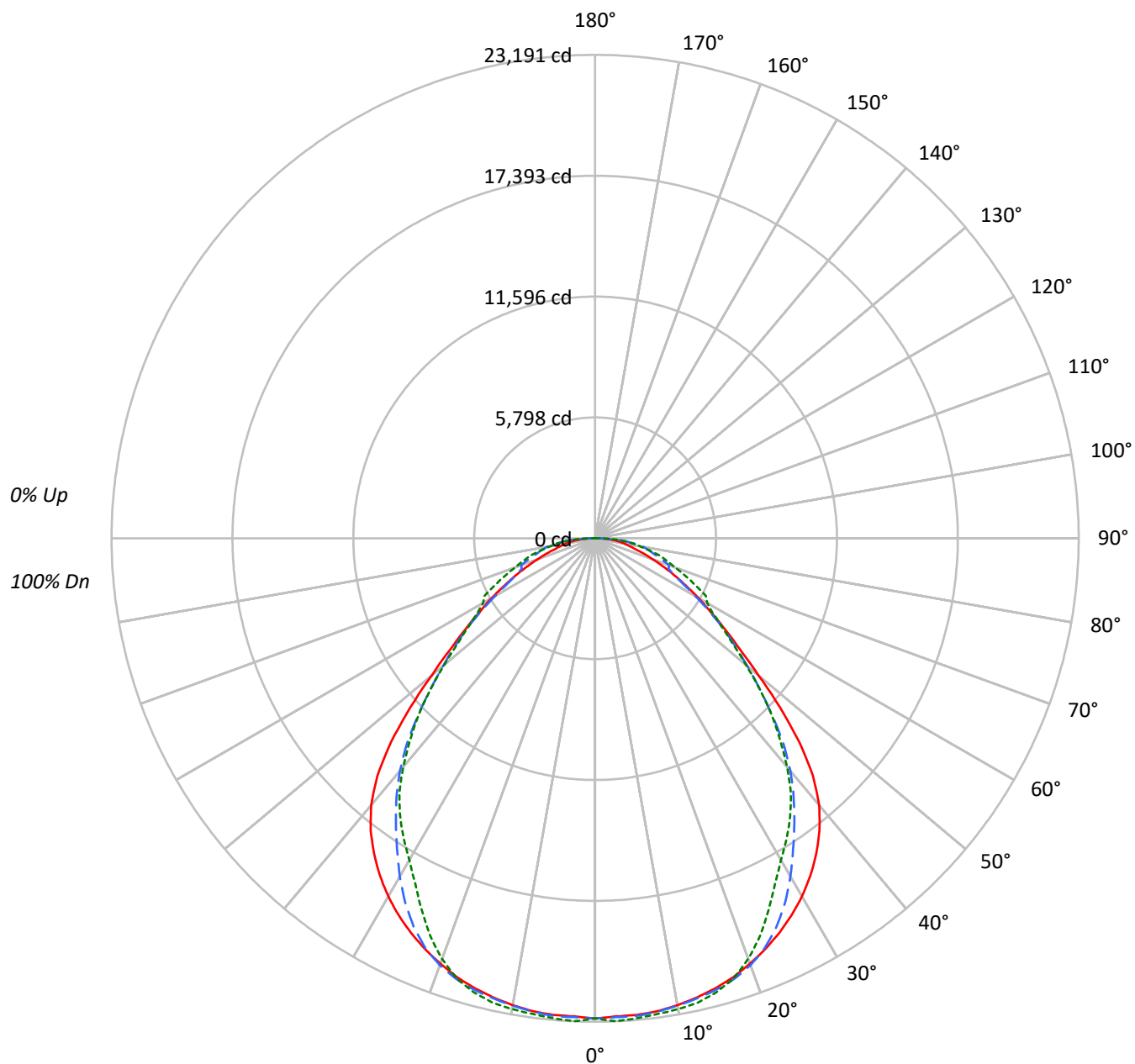
Input Watts (W): 355
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37195	37195	37195
5°	37193	37273	37455
10°	37285	37332	37606
15°	37343	37482	37665
20°	37305	37444	36888
25°	37210	36653	35059
30°	36991	34924	33222
35°	36434	32825	32141
40°	35216	30691	30185
45°	31653	27405	27304
50°	25672	23871	23707
55°	21317	20921	20913
60°	18456	17917	20031
65°	15996	15896	20191
70°	13792	17831	19247
75°	12368	18276	20065
80°	12855	21514	20130
85°	14592	24792	23003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2193.4	4.1
10°-20°	6334.7	11.9
20°-30°	9408.4	17.6
30°-40°	10681.1	20.0
40°-50°	9548.5	17.9
50°-60°	6601.9	12.4
60°-70°	4356.3	8.2
70°-80°	2939.0	5.5
80°-90°	1258.8	2.4
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°	17936.5	33.6
0°-40°	28617.6	53.7
0°-60°	44768.0	84.0
0°-90°	53322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	53322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23037	23037	23037	23037	23037	
5°	22948	23089	22998	23091	23110	###
15°	22340	22447	22424	22549	22533	6306
25°	20887	21085	20574	19961	19679	9624
35°	18485	18096	16653	16411	16306	11527
45°	13862	12688	12002	12094	11958	10542
55°	7573	6913	7432	7328	7429	6878
65°	4187	3717	4161	4865	5285	4178
75°	1983	2494	2930	3130	3216	2165
85°	788	1096	1338	1346	1242	821
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23036.8	23036.8	23036.8	23036.8	23036.8
2.5°	22958.5	23102.0	22995.0	23094.2	23190.6
5°	22948.0	23088.9	22997.6	23091.4	23109.8
7.5°	22882.8	23013.2	22906.2	22997.6	23018.4
10°	22741.9	22895.9	22770.6	22911.5	22937.7
12.5°	22559.4	22715.9	22606.2	22799.2	22809.8
15°	22340.2	22447.2	22423.8	22548.8	22533.2
17.5°	22063.6	22186.5	22168.1	22199.3	22126.3
20°	21711.6	21849.7	21792.4	21648.9	21469.0
22.5°	21333.3	21500.2	21273.4	20910.8	20657.6
25°	20887.1	21085.4	20574.3	19961.3	19679.4
27.5°	20394.1	20571.5	19721.2	18970.0	18677.8
30°	19841.2	19916.7	18732.4	18017.7	17819.4
32.5°	19202.0	19092.5	17675.9	17203.8	17089.1
35°	18484.8	18096.0	16653.4	16410.8	16306.4
37.5°	17675.9	16964.0	15644.0	15531.8	15422.1
40°	16708.3	15656.9	14561.4	14488.4	14321.3
42.5°	15458.8	14235.2	13358.7	13272.6	13123.9
45°	13862.3	12688.3	12002.2	12093.6	11957.9
47.5°	12025.6	11136.3	10700.6	10951.0	10700.6
50°	10220.5	9623.3	9503.2	9730.2	9438.1
52.5°	8741.5	8204.2	8452.0	8491.0	8316.4
55°	7572.7	6912.9	7432.1	7327.6	7429.3
57.5°	6555.5	5817.1	6456.4	6336.3	6685.9
60°	5715.5	4886.0	5548.6	5522.5	6203.2
62.5°	4891.3	4228.7	4760.7	5144.2	5981.5
65°	4186.9	3717.3	4160.7	4865.1	5285.1
67.5°	3511.2	3333.8	3805.9	4197.2	4656.5
70°	2921.5	3012.9	3777.2	3704.2	4077.2
72.5°	2426.0	2736.6	3333.8	3346.8	3610.3
75°	1982.6	2494.0	2929.6	3130.4	3216.5
77.5°	1648.6	2261.7	2645.2	2715.7	2632.1
80°	1382.6	1992.9	2313.8	2282.6	2165.0
82.5°	1116.4	1510.5	1823.5	1852.2	1713.8
85°	787.7	1095.7	1338.3	1346.1	1241.7
87.5°	422.5	675.7	811.4	834.8	772.1
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)