

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: P731194

Luminaire Tested: **HBLED-LD5-60SE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-60SE-W-UNV-L750
Description: 60000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63769.0 lumens
Efficiency: N/A
Efficacy: 173.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

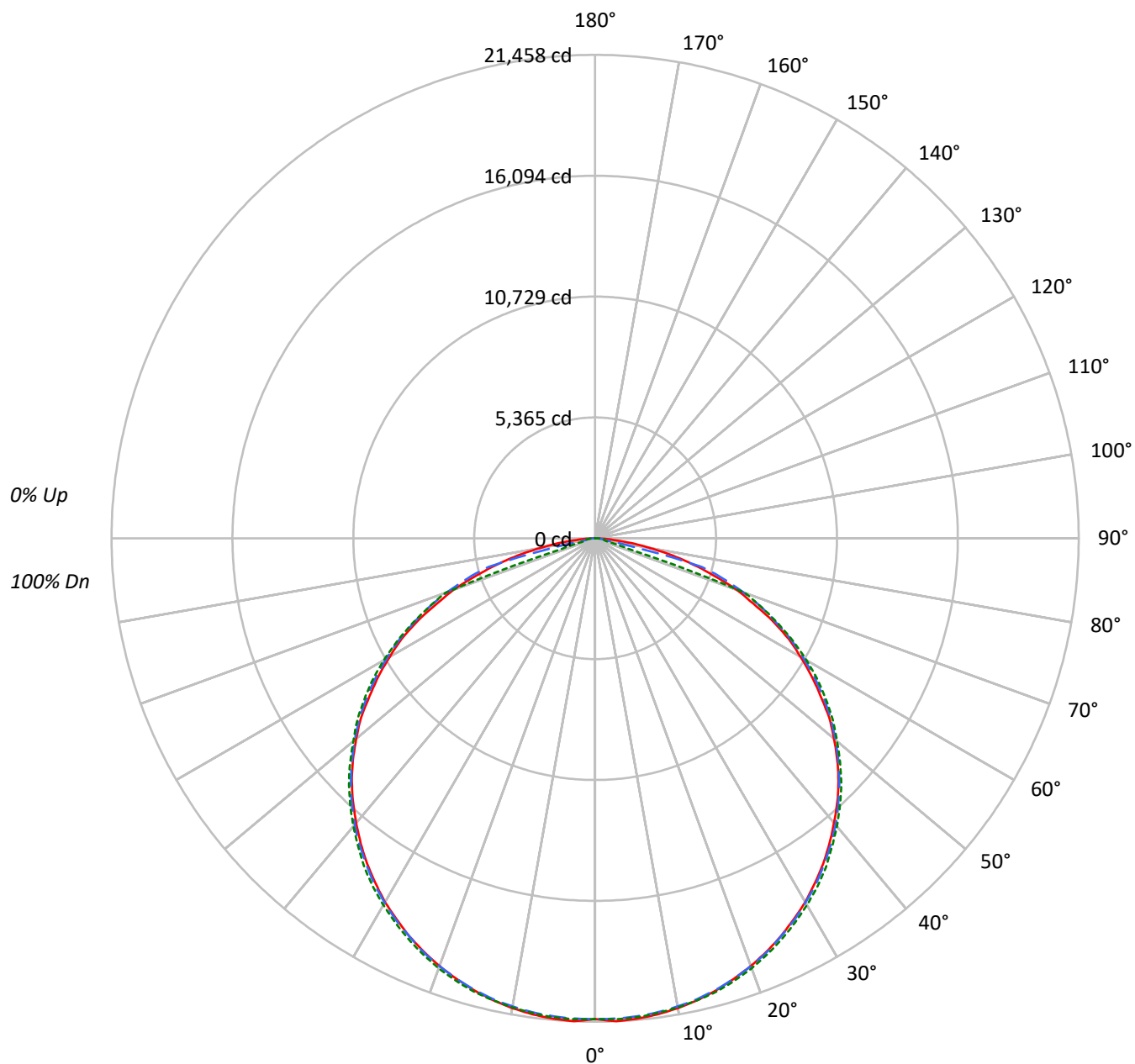
Input Watts (W): 367
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34454	34454	34454
5°	34701	34524	34585
10°	34720	34595	34665
15°	34715	34668	34827
20°	34713	34721	34901
25°	34729	34746	34958
30°	34767	34812	35042
35°	34761	34874	35164
40°	34766	34987	35177
45°	34864	34994	35276
50°	34758	34961	35188
55°	34376	34858	35232
60°	33985	34538	34968
65°	33234	33924	34179
70°	31552	32898	33301
75°	28142	30515	3677
80°	22630	3801	4022
85°	15059	4931	5020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2026.7	3.2
10°-20°	5856.3	9.2
20°-30°	8997.8	14.1
30°-40°	11076.6	17.4
40°-50°	11808.7	18.5
50°-60°	11038.8	17.3
60°-70°	8738.6	13.7
70°-80°	3717.9	5.8
80°-90°	507.7	0.8
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°	16880.8	26.5
0°-40°	27957.3	43.8
0°-60°	50804.8	79.7
0°-90°	63769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	63769.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21339	21339	21339	21339	21339	
5°	21410	21315	21301	21215	21339	###
15°	20768	20730	20740	20683	20835	5864
25°	19494	19471	19504	19494	19623	8988
35°	17636	17607	17693	17755	17840	11035
45°	15269	15183	15326	15387	15449	11765
55°	12212	12250	12383	12426	12516	10935
65°	8699	8775	8880	8946	8946	8558
75°	4511	4706	4892	799	589	4773
85°	813	242	266	276	271	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21338.9	21338.9	21338.9	21338.9	21338.9
2.5°	21457.8	21357.9	21338.9	21253.4	21367.5
5°	21410.2	21315.2	21300.9	21215.3	21338.9
7.5°	21310.4	21234.4	21224.8	21134.5	21258.1
10°	21177.3	21106.0	21101.3	21020.4	21144.0
12.5°	20996.7	20934.9	20953.9	20873.1	20996.7
15°	20768.5	20730.5	20740.0	20682.9	20835.0
17.5°	20492.8	20473.8	20492.8	20450.0	20587.9
20°	20202.8	20179.1	20207.6	20183.8	20312.2
22.5°	19865.3	19836.8	19893.8	19860.6	19979.4
25°	19494.5	19470.8	19504.0	19494.5	19622.9
27.5°	19071.5	19047.7	19119.0	19123.8	19223.6
30°	18648.4	18615.1	18672.2	18695.9	18795.8
32.5°	18144.5	18135.0	18220.6	18239.6	18344.2
35°	17635.9	17607.4	17692.9	17754.7	17840.3
37.5°	17079.7	17074.9	17165.3	17217.6	17260.3
40°	16495.0	16471.2	16599.6	16651.9	16689.9
42.5°	15900.8	15848.5	15972.1	16038.7	16081.4
45°	15268.6	15183.0	15325.6	15387.4	15449.2
47.5°	14574.6	14498.5	14636.3	14702.9	14745.7
50°	13837.7	13766.4	13918.6	13975.6	14008.9
52.5°	13096.2	13024.9	13186.5	13234.0	13314.8
55°	12212.0	12250.0	12383.1	12425.9	12516.2
57.5°	11394.4	11427.7	11556.0	11608.3	11712.9
60°	10524.5	10576.8	10695.6	10747.9	10828.7
62.5°	9683.1	9687.8	9830.5	9854.2	9916.0
65°	8699.1	8775.2	8879.7	8946.3	8946.3
67.5°	7601.0	7786.4	7967.0	7952.8	7990.8
70°	6683.6	6754.9	6968.8	7002.1	7054.3
72.5°	5533.2	5718.6	5956.3	4449.4	1511.6
75°	4511.2	4706.1	4891.5	798.6	589.4
77.5°	3503.4	3655.5	1625.7	456.3	446.8
80°	2433.8	2676.3	408.8	418.3	432.6
82.5°	1602.0	1307.2	337.5	370.8	375.5
85°	812.9	242.4	266.2	275.7	271.0
87.5°	266.2	147.4	152.1	156.9	161.6
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)