

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: P731030

Luminaire Tested: **HBLED-LD5-36SE-W-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731030
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-LD5-36SE-W-CLI-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34613.0 lumens
Efficiency: N/A
Efficacy: 152.1 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

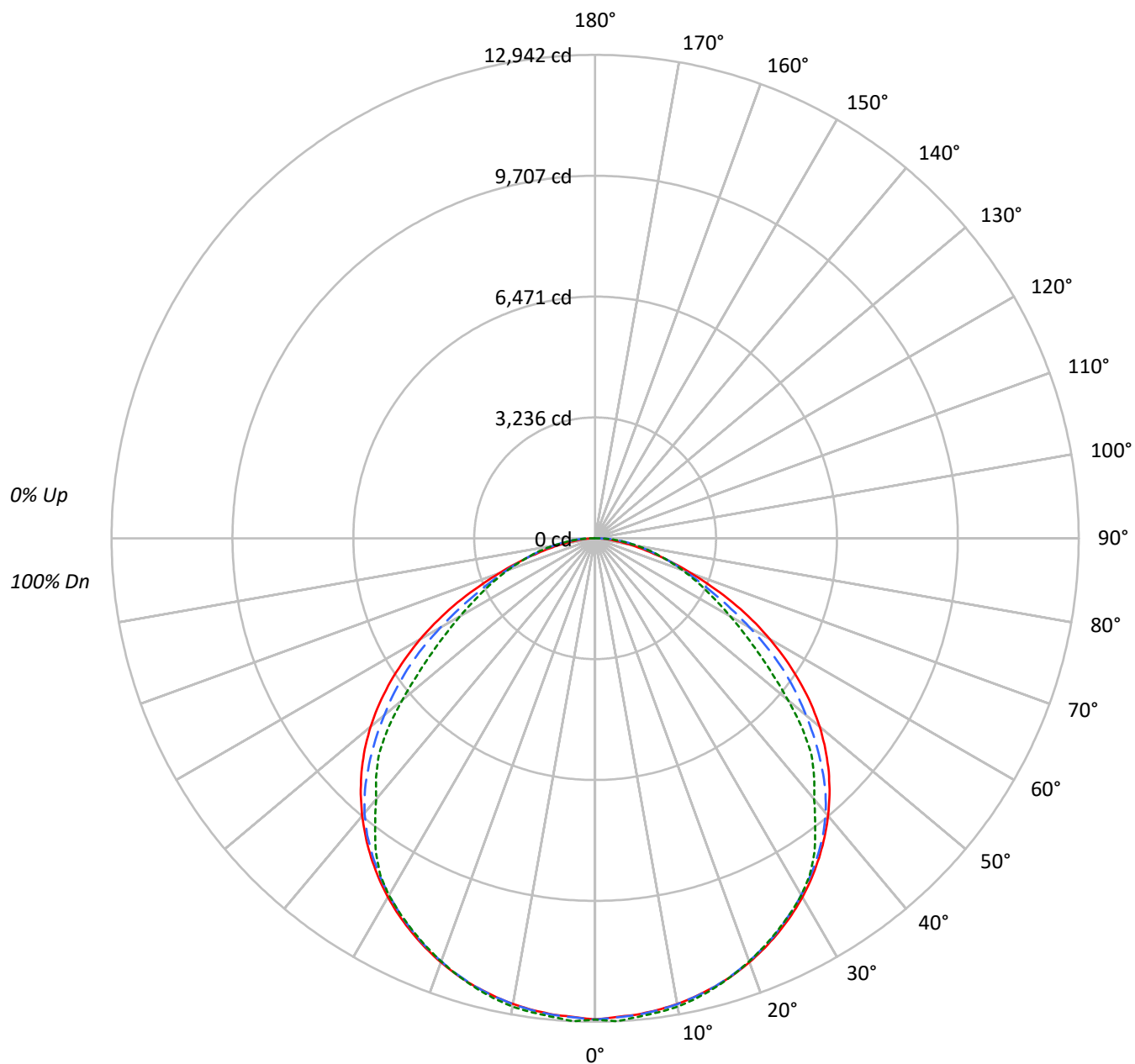
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20801	20801	20801
5°	20745	20760	20853
10°	20757	20767	20876
15°	20759	20757	20806
20°	20754	20706	20711
25°	20722	20645	20621
30°	20688	20565	20576
35°	20592	20464	20174
40°	20445	20237	19216
45°	20186	19539	18685
50°	19700	18500	16922
55°	18803	17301	14963
60°	17450	15437	13494
65°	15510	13365	12408
70°	12872	11944	11696
75°	10410	10931	11067
80°	8269	10455	10412
85°	6475	11232	10715



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1221.8	3.5
10°-20°	3514.3	10.2
20°-30°	5358.7	15.5
30°-40°	6483.2	18.7
40°-50°	6567.0	19.0
50°-60°	5427.7	15.7
60°-70°	3584.9	10.4
70°-80°	1869.3	5.4
80°-90°	586.0	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°	10094.8	29.2
0°-40°	16578.0	47.9
0°-60°	28572.7	82.5
0°-90°	34613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12883	12883	12883	12883	12883	
5°	12800	12877	12809	12865	12866	###
15°	12419	12483	12418	12456	12447	3507
25°	11632	11678	11589	11618	11575	5363
35°	10447	10461	10382	10368	10235	6535
45°	8840	8817	8557	8291	8183	6807
55°	6680	6581	6146	5549	5316	5954
65°	4060	3942	3498	3271	3248	4010
75°	1669	1698	1752	1775	1774	1818
85°	350	450	606	602	578	424
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12883.1	12883.1	12883.1	12883.1	12883.1
2.5°	12829.1	12904.8	12841.3	12897.0	12941.9
5°	12799.6	12877.0	12808.9	12864.6	12866.2
7.5°	12742.5	12819.8	12750.1	12805.8	12804.2
10°	12660.4	12733.2	12666.6	12733.2	12733.2
12.5°	12549.1	12620.2	12555.3	12617.1	12607.8
15°	12419.2	12482.6	12417.7	12456.3	12447.0
17.5°	12266.1	12323.3	12250.6	12283.0	12264.5
20°	12078.9	12131.5	12051.2	12092.9	12054.1
22.5°	11868.5	11918.0	11836.1	11867.1	11823.7
25°	11632.0	11678.4	11588.7	11618.0	11574.8
27.5°	11376.7	11418.5	11317.9	11353.6	11319.5
30°	11096.8	11117.0	11030.4	11076.8	11036.6
32.5°	10784.4	10796.8	10721.0	10762.7	10694.7
35°	10447.2	10461.2	10382.3	10368.4	10235.4
37.5°	10086.9	10093.1	10018.9	9893.5	9673.9
40°	9700.3	9697.2	9601.3	9312.1	9117.2
42.5°	9287.2	9285.8	9117.2	8787.7	8676.4
45°	8840.3	8817.2	8557.3	8291.3	8183.0
47.5°	8361.0	8336.1	7972.7	7760.9	7514.9
50°	7842.8	7799.5	7364.9	7075.6	6737.0
52.5°	7284.5	7217.9	6775.6	6308.6	5988.4
55°	6679.7	6580.7	6146.2	5549.3	5315.7
57.5°	6050.3	5903.4	5481.1	4899.7	4709.4
60°	5403.8	5239.8	4780.5	4302.7	4178.9
62.5°	4738.7	4576.4	4107.8	3747.5	3679.3
65°	4059.8	3942.2	3498.4	3271.0	3247.9
67.5°	3363.8	3322.1	2983.3	2867.4	2858.1
70°	2726.7	2718.9	2530.2	2471.4	2477.6
72.5°	2179.2	2169.9	2142.1	2112.6	2114.2
75°	1668.8	1698.1	1752.3	1775.4	1774.0
77.5°	1245.0	1305.4	1419.7	1466.1	1458.4
80°	889.3	979.0	1124.4	1167.7	1119.8
82.5°	592.3	686.7	858.3	864.5	825.9
85°	349.5	450.0	606.3	601.6	578.4
87.5°	173.2	270.6	363.4	347.9	332.6
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)