

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: P731024

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-WG-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33048.0 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

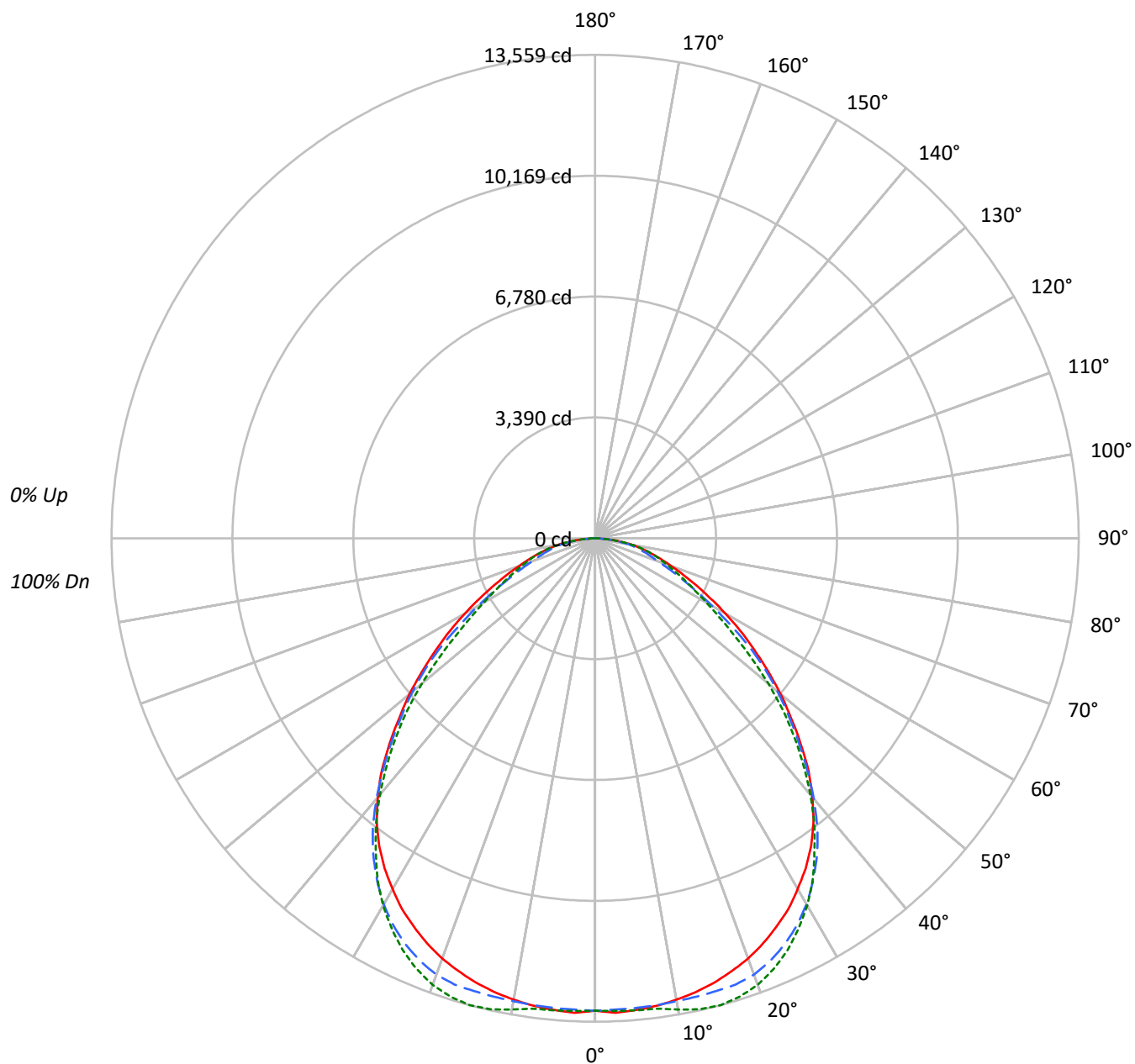
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21396	21396	21396
5°	21522	21433	21538
10°	21541	21613	22000
15°	21567	21973	22664
20°	21553	22375	22898
25°	21421	22395	22724
30°	21175	22099	22169
35°	20797	21383	21127
40°	19977	20099	19782
45°	18613	18418	18044
50°	17042	16767	15909
55°	15307	14740	13450
60°	13576	12196	11611
65°	11961	10133	10538
70°	10698	8794	10036
75°	10021	8550	10150
80°	9756	8644	9661
85°	7788	6840	7091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1262.3	3.8
10°-20°	3718.3	11.3
20°-30°	5720.1	17.3
30°-40°	6675.6	20.2
40°-50°	6203.5	18.8
50°-60°	4598.2	13.9
60°-70°	2811.0	8.5
70°-80°	1601.1	4.8
80°-90°	457.9	1.4
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°	10700.6	32.4
0°-40°	17376.3	52.6
0°-60°	28178.0	85.3
0°-90°	33048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13251	13251	13251	13251	13251	
5°	13279	13217	13224	13214	13289	###
15°	12903	12896	13145	13405	13559	3642
25°	12024	12116	12571	12677	12756	5539
35°	10551	10633	10848	10760	10719	6574
45°	8152	8200	8066	7940	7902	6281
55°	5438	5301	5236	4864	4778	4880
65°	3131	2844	2652	2724	2758	3133
75°	1606	1507	1371	1562	1627	1719
85°	420	410	369	383	383	485
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13251.4	13251.4	13251.4	13251.4	13251.4
2.5°	13323.1	13247.9	13234.1	13203.5	13271.7
5°	13278.7	13217.1	13223.9	13213.8	13288.9
7.5°	13227.3	13183.0	13210.3	13206.8	13306.0
10°	13138.6	13114.6	13183.0	13258.1	13418.8
12.5°	13039.4	13015.5	13165.9	13357.2	13531.6
15°	12902.7	12895.8	13145.4	13405.1	13558.9
17.5°	12731.8	12742.1	13121.3	13343.6	13480.3
20°	12543.8	12560.9	13022.3	13203.5	13326.5
22.5°	12301.1	12359.3	12830.8	12981.2	13077.0
25°	12024.2	12116.5	12571.1	12677.1	12755.6
27.5°	11726.9	11819.2	12249.8	12304.5	12349.0
30°	11357.7	11487.6	11853.3	11860.2	11890.9
32.5°	10981.8	11098.0	11378.3	11347.5	11354.3
35°	10551.1	10633.1	10848.4	10759.7	10718.6
37.5°	10055.6	10100.0	10236.6	10103.4	10096.5
40°	9477.9	9536.0	9536.0	9351.5	9385.6
42.5°	8862.7	8883.1	8797.8	8623.4	8650.7
45°	8151.7	8199.6	8066.2	7939.8	7902.3
47.5°	7447.6	7495.5	7355.4	7208.4	7143.5
50°	6784.6	6760.6	6675.3	6425.7	6333.4
52.5°	6097.6	6022.4	5988.3	5622.5	5516.6
55°	5437.9	5301.2	5236.3	4863.7	4778.2
57.5°	4826.1	4580.1	4457.0	4166.5	4132.2
60°	4204.1	3927.2	3776.8	3588.8	3595.6
62.5°	3640.2	3349.5	3168.5	3113.8	3137.6
65°	3130.9	2843.7	2652.4	2724.1	2758.2
67.5°	2669.4	2433.6	2218.2	2385.7	2419.8
70°	2266.1	2078.1	1862.8	2108.9	2126.0
72.5°	1931.1	1777.3	1596.2	1828.5	1866.1
75°	1606.4	1507.4	1370.6	1562.0	1627.0
77.5°	1322.7	1244.2	1165.5	1281.8	1353.5
80°	1049.3	970.7	929.7	991.1	1039.0
82.5°	741.7	690.5	649.4	693.8	717.8
85°	420.4	410.1	369.2	382.8	382.8
87.5°	95.7	109.3	123.1	112.8	95.7
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)