

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: P730996

Luminaire Tested: **HBLED-LD5-36SE-N-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-N-CLI-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35026.0 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

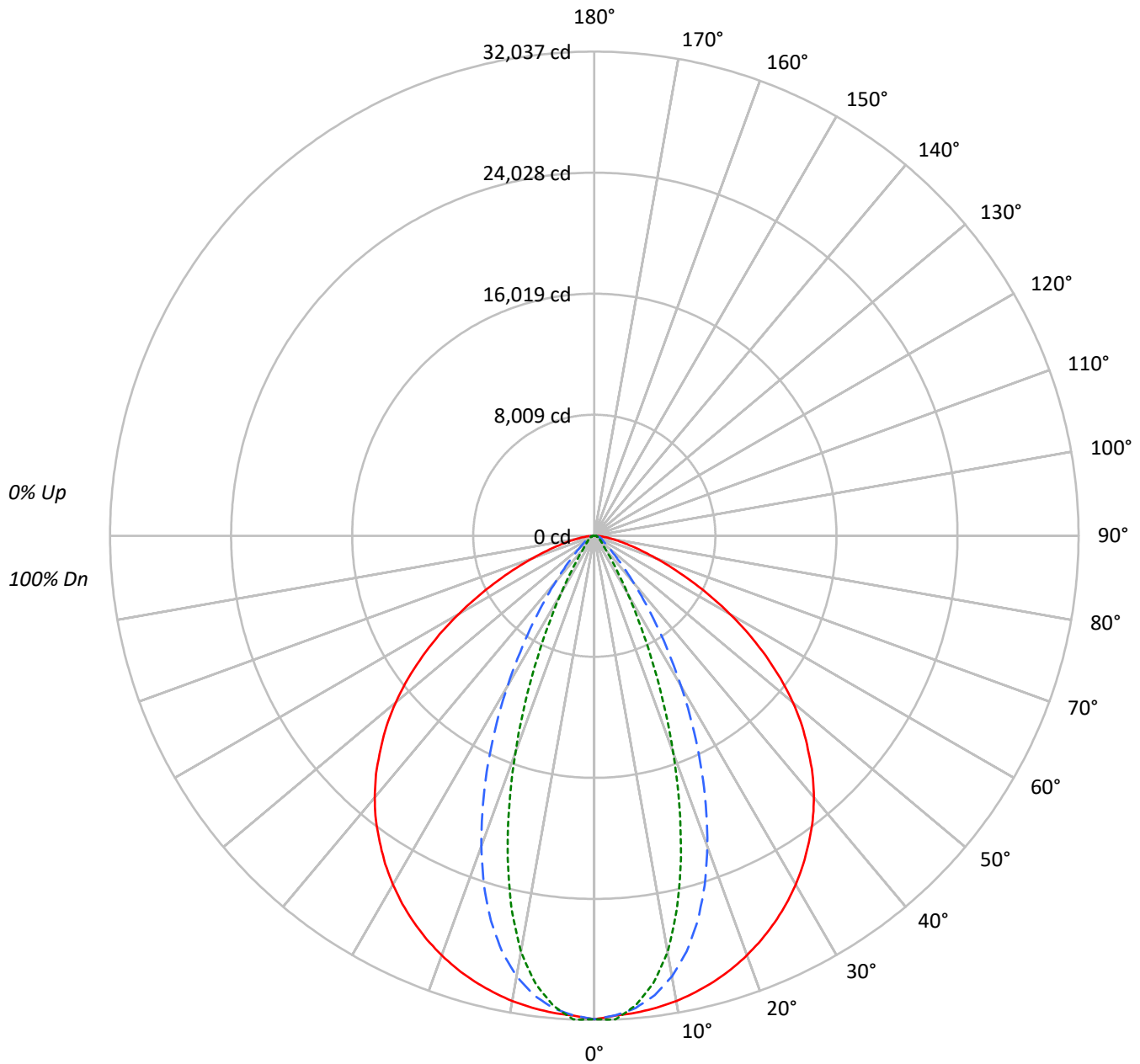
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51657	51657	51657
5°	51346	50835	50568
10°	51260	48533	45798
15°	51054	44116	36987
20°	50747	37539	26215
25°	50293	29600	15839
30°	49683	21363	8140
35°	48786	13966	4065
40°	47628	8389	2372
45°	45650	5010	1774
50°	43056	3276	1490
55°	38968	2485	1300
60°	33487	2117	1186
65°	26936	1931	1120
70°	20293	2069	1114
75°	14927	1966	1145
80°	10921	1958	1254
85°	8179	2375	1623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2946.4	8.4
10°-20°	7330.1	20.9
20°-30°	8119.2	23.2
30°-40°	6504.9	18.6
40°-50°	4643.7	13.3
50°-60°	2982.7	8.5
60°-70°	1616.4	4.6
70°-80°	690.9	2.0
80°-90°	191.6	0.5
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°	18395.8	52.5
0°-40°	24900.7	71.1
0°-60°	32527.1	92.9
0°-90°	35026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31994	31994	31994	31994	31994	
5°	31680	31798	31365	31266	31200	###
15°	30543	29587	26392	23324	22127	8618
25°	28231	24893	16615	10825	8891	13005
35°	24751	17903	7086	2858	2063	15475
45°	19992	10335	2194	934	777	15410
55°	13843	4621	883	543	462	12337
65°	7051	1897	506	349	293	7060
75°	2393	694	315	219	184	2659
85°	442	184	128	106	88	539
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31993.7	31993.7	31993.7	31993.7	31993.7
2.5°	31783.1	31982.0	31767.8	31900.9	32037.4
5°	31680.3	31798.3	31365.1	31265.7	31200.1
7.5°	31501.6	31467.9	30654.1	30126.6	29872.1
10°	31265.7	30992.7	29602.5	28443.2	27934.3
12.5°	30928.7	30365.9	28178.5	26142.9	25280.2
15°	30542.8	29587.4	26392.3	23323.8	22127.3
17.5°	30081.0	28677.4	24257.3	20300.7	18721.7
20°	29535.1	27578.7	21847.6	17088.8	15257.0
22.5°	28925.2	26311.5	19267.7	13887.0	11922.3
25°	28230.8	24892.6	16615.4	10825.3	8890.7
27.5°	27481.0	23317.1	13978.1	8088.6	6324.2
30°	26648.5	21611.7	11458.8	5832.3	4366.2
32.5°	25740.2	19798.5	9118.3	4101.6	2986.1
35°	24751.1	17902.8	7085.8	2857.9	2062.6
37.5°	23738.3	15968.2	5351.9	2020.4	1479.6
40°	22597.4	14040.4	3980.3	1479.6	1125.6
42.5°	21372.4	12149.7	2945.7	1139.1	911.6
45°	19992.3	10334.8	2194.1	933.6	776.9
47.5°	18654.4	8643.1	1666.6	795.4	675.7
50°	17141.1	7116.3	1304.3	694.3	593.1
52.5°	15535.2	5773.3	1058.2	611.7	522.4
55°	13843.2	4620.6	882.9	542.6	461.8
57.5°	12129.5	3660.0	754.9	483.6	411.2
60°	10370.2	2927.0	655.5	433.0	367.3
62.5°	8653.2	2340.7	572.9	389.3	328.6
65°	7050.6	1897.4	505.5	348.8	293.2
67.5°	5569.2	1499.8	471.9	313.4	264.6
70°	4298.7	1167.8	438.2	279.7	235.9
72.5°	3257.3	896.6	387.7	249.4	209.0
75°	2392.8	694.3	315.2	219.1	183.6
77.5°	1712.1	534.3	256.1	190.4	158.5
80°	1174.5	397.8	210.6	163.4	134.9
82.5°	763.4	281.5	170.2	134.9	111.1
85°	441.5	183.6	128.2	106.2	87.6
87.5°	190.4	101.0	87.6	79.2	67.4
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)