

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: P730988

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-N-CL-WG-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH NARROW 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 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

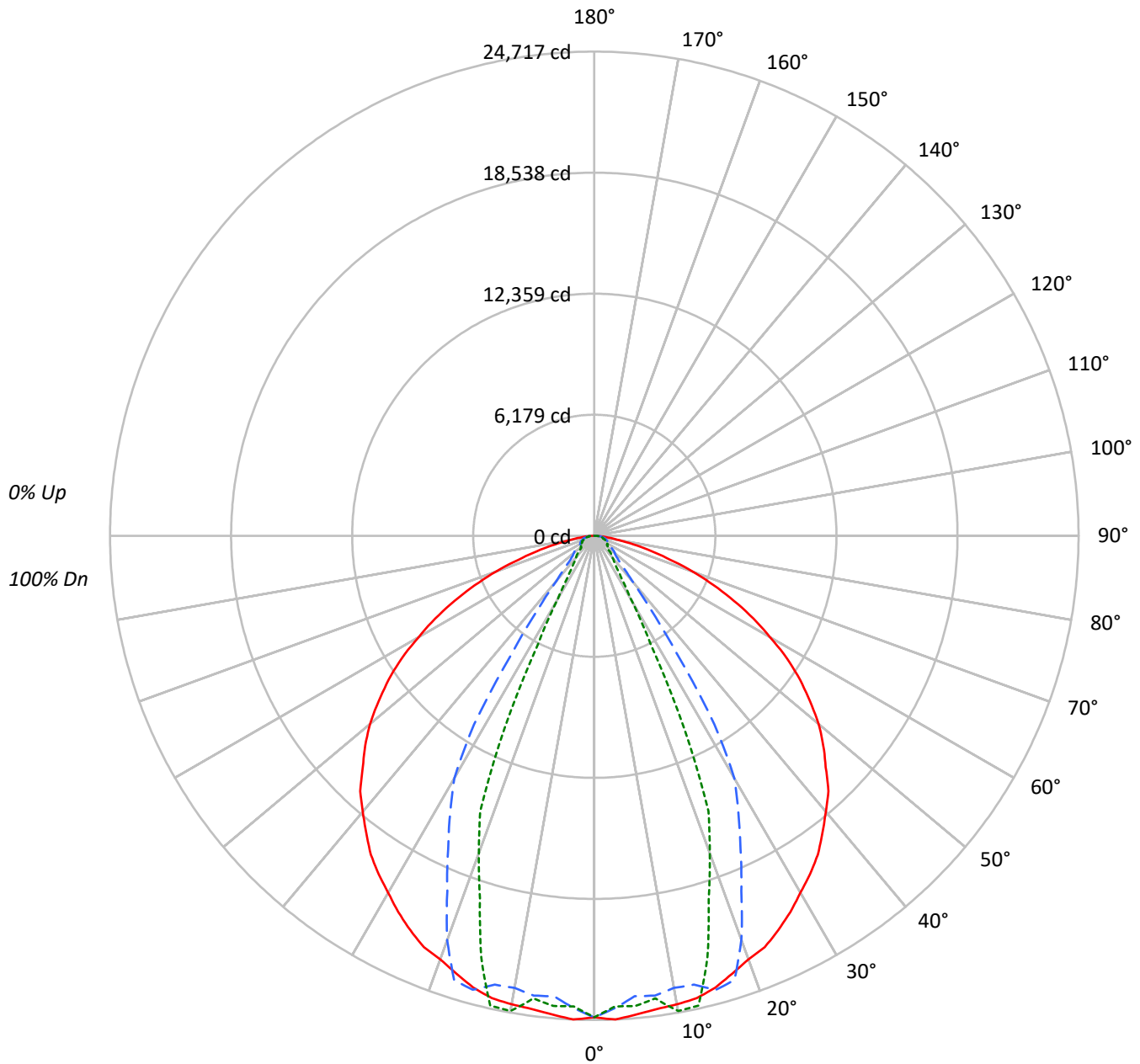
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39691	39691	39691
5°	39757	38242	39048
10°	39814	38426	40398
15°	39903	40111	37280
20°	39525	37727	29591
25°	39582	31451	19329
30°	39227	26644	6944
35°	39186	14434	3906
40°	38743	6293	3059
45°	38144	3889	2398
50°	37549	3387	2264
55°	36073	2938	2215
60°	33469	2632	2381
65°	30084	2975	2601
70°	25231	3199	2682
75°	18861	3648	2905
80°	11847	4236	3311
85°	7888	5309	4848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2278.5	6.9
10°-20°	6433.9	19.5
20°-30°	7878.5	23.8
30°-40°	6187.0	18.7
40°-50°	4588.1	13.9
50°-60°	2793.1	8.5
60°-70°	1673.1	5.1
70°-80°	918.0	2.8
80°-90°	297.7	0.9
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°	16590.9	50.2
0°-40°	22778.0	68.9
0°-60°	30159.2	91.3
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°	24583	24583	24583	24583	24583	
5°	24530	23862	23595	23856	24092	###
15°	23872	23218	23996	23027	22303	6721
25°	22219	22288	17654	13847	10850	10228
35°	19881	18085	7323	2450	1982	12405
45°	16705	11995	1703	1290	1050	12918
55°	12815	3305	1044	883	787	11404
65°	7874	974	779	732	681	7780
75°	3024	615	585	509	466	3274
85°	426	335	287	263	262	520
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24582.8	24582.8	24582.8	24582.8	24582.8
2.5°	24716.9	24383.9	24128.9	23986.3	24044.2
5°	24529.7	23862.0	23595.3	23855.5	24092.4
7.5°	24367.3	23375.0	23676.5	23699.8	23824.0
10°	24284.6	23328.6	23437.9	23953.1	24640.7
12.5°	24175.3	23436.3	23474.4	24176.8	24564.5
15°	23872.1	23217.6	23996.3	23027.1	22303.0
17.5°	23429.6	22707.3	23777.5	20399.5	19415.4
20°	23003.8	22152.3	21956.9	18171.1	17221.8
22.5°	22728.9	22067.9	19614.3	16191.3	15210.5
25°	22218.6	22288.1	17654.3	13847.0	10850.0
27.5°	21656.9	21769.6	15921.3	9234.7	6216.1
30°	21040.6	21169.9	14291.0	5457.2	3724.4
32.5°	20482.4	19753.3	11413.3	3404.6	2589.4
35°	19881.0	18085.0	7322.8	2450.3	1981.5
37.5°	19123.8	16332.1	4635.5	1938.4	1663.4
40°	18381.6	14758.3	2985.5	1655.0	1451.4
42.5°	17687.4	13461.1	2172.0	1446.4	1310.6
45°	16705.0	11994.8	1703.2	1290.5	1050.4
47.5°	15855.1	10275.2	1489.4	1091.8	906.3
50°	14948.8	7856.3	1348.6	970.9	901.3
52.5°	13873.5	5139.1	1245.8	929.4	841.6
55°	12814.9	3305.3	1043.7	883.0	786.9
57.5°	11671.7	2095.8	921.2	856.5	821.7
60°	10364.6	1413.2	815.2	811.8	737.2
62.5°	9155.1	1161.4	786.9	778.7	697.5
65°	7874.5	974.1	778.7	732.3	680.9
67.5°	6595.5	835.0	704.2	669.2	624.5
70°	5344.7	763.8	677.6	662.7	568.2
72.5°	4059.0	629.5	601.4	561.7	472.2
75°	3023.5	614.6	584.8	508.6	465.6
77.5°	2046.1	566.6	531.9	455.6	420.9
80°	1274.1	520.2	455.6	399.3	356.1
82.5°	757.1	434.1	374.4	329.7	301.5
85°	425.8	334.7	286.6	263.4	261.7
87.5°	91.1	120.9	96.1	91.1	64.6
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)