

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: P731048

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-WG-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35285.0 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

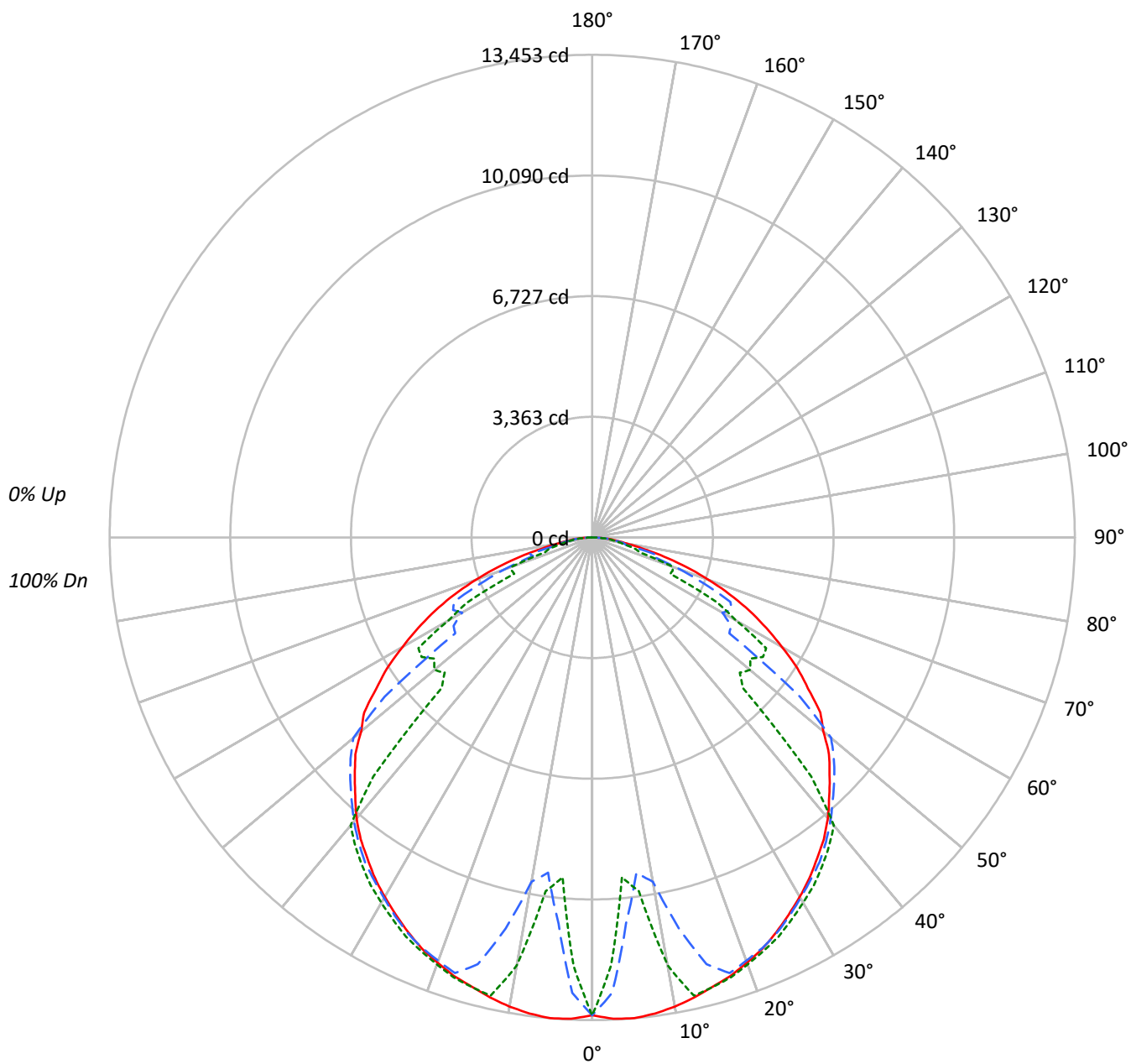
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21505	21505	21505
5°	21804	17516	15405
10°	21766	15975	19868
15°	21669	20589	21688
20°	21670	21571	21763
25°	21631	21679	21878
30°	21568	21639	21918
35°	21534	21773	22027
40°	21537	21772	22084
45°	21368	21786	13539
50°	21126	21830	14430
55°	20681	13126	16354
60°	19728	13531	14976
65°	18484	16246	9163
70°	16322	12307	11232
75°	13006	11187	7789
80°	8960	8085	6694
85°	8585	7464	7080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1065.0	3.0
10°-20°	3336.6	9.5
20°-30°	5489.5	15.6
30°-40°	6902.3	19.6
40°-50°	6769.4	19.2
50°-60°	5608.8	15.9
60°-70°	3956.0	11.2
70°-80°	1726.0	4.9
80°-90°	431.2	1.2
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°	9891.2	28.0
0°-40°	16793.5	47.6
0°-60°	29171.7	82.7
0°-90°	35285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13319	13319	13319	13319	13319	
5°	13453	12521	10807	9799	9505	###
15°	12964	9003	12317	13015	12975	3666
25°	12142	11110	12169	12250	12281	5597
35°	10925	10919	11046	11120	11175	6845
45°	9358	9387	9541	8450	5929	7224
55°	7347	7587	4663	5302	5810	6573
65°	4838	5123	4252	3271	2398	4757
75°	2085	2043	1793	1172	1249	2236
85°	463	412	403	386	382	481
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13319.0	13319.0	13319.0	13319.0	13319.0
2.5°	13428.8	13150.1	12707.4	12149.9	11952.5
5°	13452.7	12521.0	10807.4	9799.3	9504.6
7.5°	13384.3	11379.1	9421.9	9633.6	9945.8
10°	13276.0	10375.8	9743.6	11463.5	12118.1
12.5°	13137.4	9484.0	11162.5	12949.5	13080.0
15°	12963.7	9003.0	12317.2	13014.8	12974.9
17.5°	12817.2	9284.9	12731.3	12884.1	12855.4
20°	12611.8	9847.1	12554.5	12677.1	12665.9
22.5°	12404.8	10512.7	12387.2	12474.9	12474.9
25°	12142.0	11110.0	12169.0	12250.3	12280.6
27.5°	11853.7	11453.9	11896.7	11963.6	12017.7
30°	11568.6	11503.4	11606.9	11692.9	11756.5
32.5°	11267.7	11242.2	11323.4	11414.2	11495.4
35°	10925.2	10918.8	11046.2	11119.5	11175.4
37.5°	10603.5	10581.3	10699.1	10801.0	10844.0
40°	10218.2	10218.2	10329.6	10433.1	10477.8
42.5°	9778.5	9840.7	9926.7	10033.3	9036.4
45°	9358.1	9386.8	9541.2	8450.4	5929.2
47.5°	8953.5	8990.2	9136.8	5432.3	5580.5
50°	8410.5	8576.1	8690.8	5416.5	5744.6
52.5°	8014.0	8085.6	7295.7	5362.3	5547.0
55°	7346.7	7587.1	4663.1	5301.8	5809.8
57.5°	6776.6	6951.8	4585.2	5432.3	5747.7
60°	6109.3	6376.8	4190.1	5241.3	4637.6
62.5°	5469.0	5723.8	4374.9	4124.9	3927.3
65°	4838.3	5123.4	4252.3	3271.2	2398.4
67.5°	4147.1	3881.2	3392.2	2304.5	2425.6
70°	3457.6	2710.7	2607.1	2576.9	2379.3
72.5°	2748.8	1978.0	1731.1	1933.5	1384.0
75°	2084.8	2043.4	1793.3	1172.1	1248.6
77.5°	1446.0	1474.7	960.3	1143.4	949.1
80°	963.6	834.6	869.5	729.4	719.9
82.5°	667.3	681.6	571.7	554.2	562.2
85°	463.4	412.5	402.9	385.5	382.2
87.5°	154.4	180.0	167.3	151.3	160.9
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)