

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: P731045

Luminaire Tested: **HBLED-LD5-36SE-W-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35616.0 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

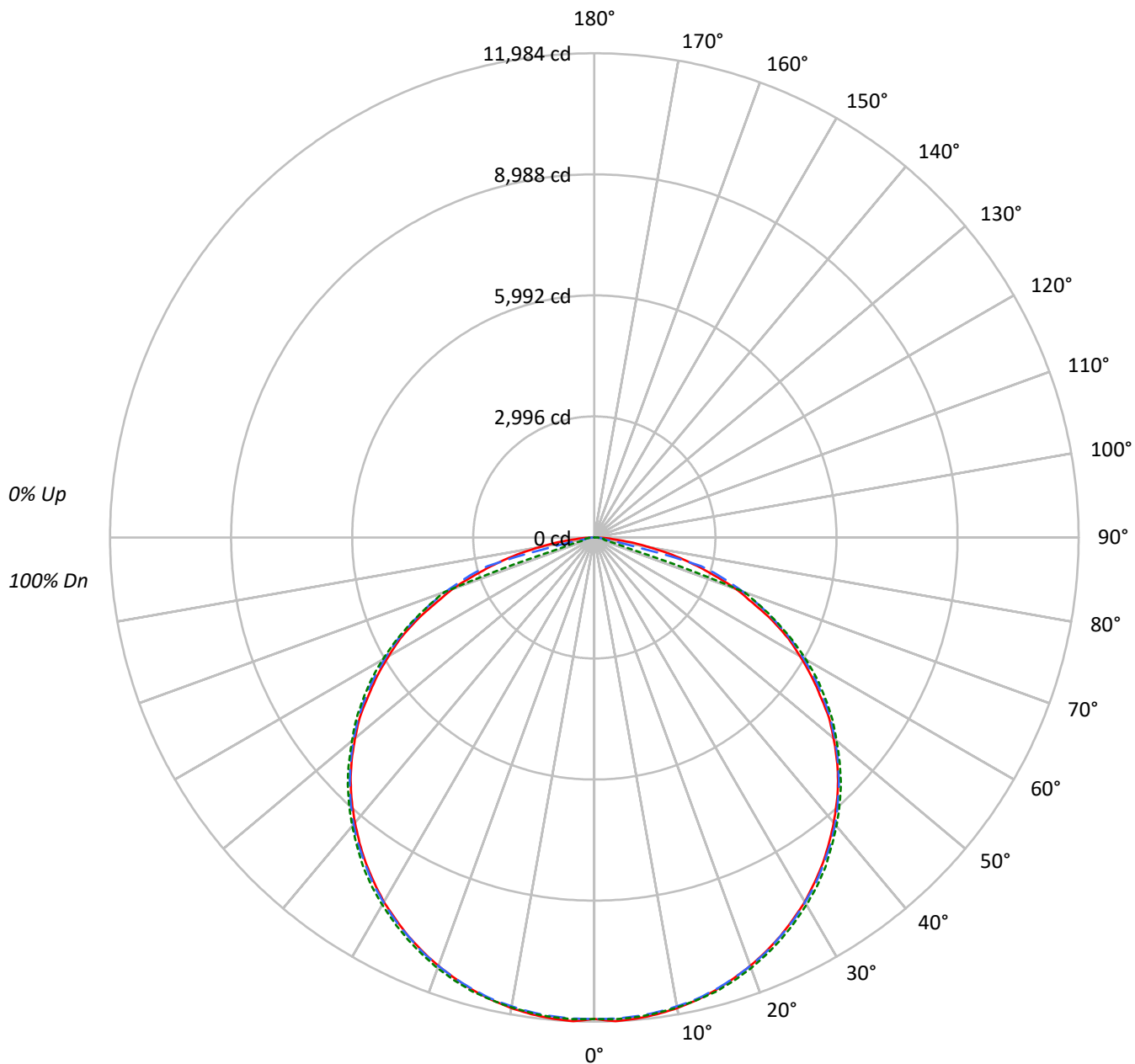
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19243	19243	19243
5°	19381	19282	19316
10°	19392	19322	19361
15°	19389	19362	19451
20°	19388	19392	19493
25°	19397	19406	19525
30°	19418	19443	19572
35°	19415	19477	19640
40°	19418	19541	19647
45°	19472	19545	19702
50°	19413	19526	19653
55°	19200	19469	19678
60°	18981	19290	19530
65°	18562	18947	19089
70°	17622	18374	18600
75°	15718	17043	2054
80°	12639	2123	2246
85°	8410	2755	2803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.0	3.2
10°-20°	3270.8	9.2
20°-30°	5025.4	14.1
30°-40°	6186.4	17.4
40°-50°	6595.4	18.5
50°-60°	6165.3	17.3
60°-70°	4880.6	13.7
70°-80°	2076.5	5.8
80°-90°	283.5	0.8
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°	9428.2	26.5
0°-40°	15614.6	43.8
0°-60°	28375.3	79.7
0°-90°	35616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11918	11918	11918	11918	11918	
5°	11958	11905	11897	11849	11918	###
15°	11600	11578	11584	11552	11637	3275
25°	10888	10875	10893	10888	10960	5020
35°	9850	9834	9882	9916	9964	6163
45°	8528	8480	8560	8594	8629	6571
55°	6821	6842	6916	6940	6990	6108
65°	4859	4901	4960	4997	4997	4780
75°	2520	2628	2732	446	329	2666
85°	454	135	149	154	151	592
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11918.1	11918.1	11918.1	11918.1	11918.1
2.5°	11984.5	11928.8	11918.1	11870.3	11934.1
5°	11958.0	11904.9	11896.9	11849.1	11918.1
7.5°	11902.2	11859.7	11854.4	11804.0	11873.0
10°	11827.9	11788.0	11785.4	11740.2	11809.3
12.5°	11727.0	11692.5	11703.1	11657.9	11727.0
15°	11599.5	11578.3	11583.6	11551.7	11636.7
17.5°	11445.5	11434.9	11445.5	11421.7	11498.6
20°	11283.6	11270.3	11286.3	11273.0	11344.7
22.5°	11095.1	11079.2	11111.0	11092.4	11158.8
25°	10888.0	10874.7	10893.3	10888.0	10959.7
27.5°	10651.7	10638.4	10678.3	10680.9	10736.7
30°	10415.4	10396.8	10428.7	10442.0	10497.7
32.5°	10134.0	10128.7	10176.5	10187.1	10245.5
35°	9849.9	9834.0	9881.8	9916.3	9964.1
37.5°	9539.3	9536.6	9587.1	9616.3	9640.2
40°	9212.7	9199.4	9271.1	9300.3	9321.6
42.5°	8880.9	8851.6	8920.7	8957.8	8981.7
45°	8527.7	8480.0	8559.6	8594.1	8628.6
47.5°	8140.1	8097.6	8174.6	8211.8	8235.7
50°	7728.6	7688.8	7773.7	7805.6	7824.2
52.5°	7314.4	7274.6	7364.9	7391.4	7436.6
55°	6820.6	6841.8	6916.2	6940.1	6990.5
57.5°	6363.9	6382.5	6454.2	6483.4	6541.8
60°	5878.1	5907.3	5973.7	6002.9	6048.0
62.5°	5408.2	5410.8	5490.5	5503.7	5538.3
65°	4858.6	4901.1	4959.5	4996.6	4996.6
67.5°	4245.3	4348.8	4449.7	4441.8	4463.0
70°	3732.9	3772.7	3892.2	3910.8	3940.0
72.5°	3090.4	3193.9	3326.7	2485.0	844.3
75°	2519.6	2628.4	2732.0	446.0	329.2
77.5°	1956.7	2041.7	908.0	254.9	249.6
80°	1359.3	1494.7	228.3	233.6	241.6
82.5°	894.7	730.1	188.5	207.1	209.7
85°	454.0	135.4	148.7	154.0	151.3
87.5°	148.7	82.3	85.0	87.6	90.3
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)