

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: P731051

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731051
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-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33729.0 lumens
Efficiency: N/A
Efficacy: 148.3 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

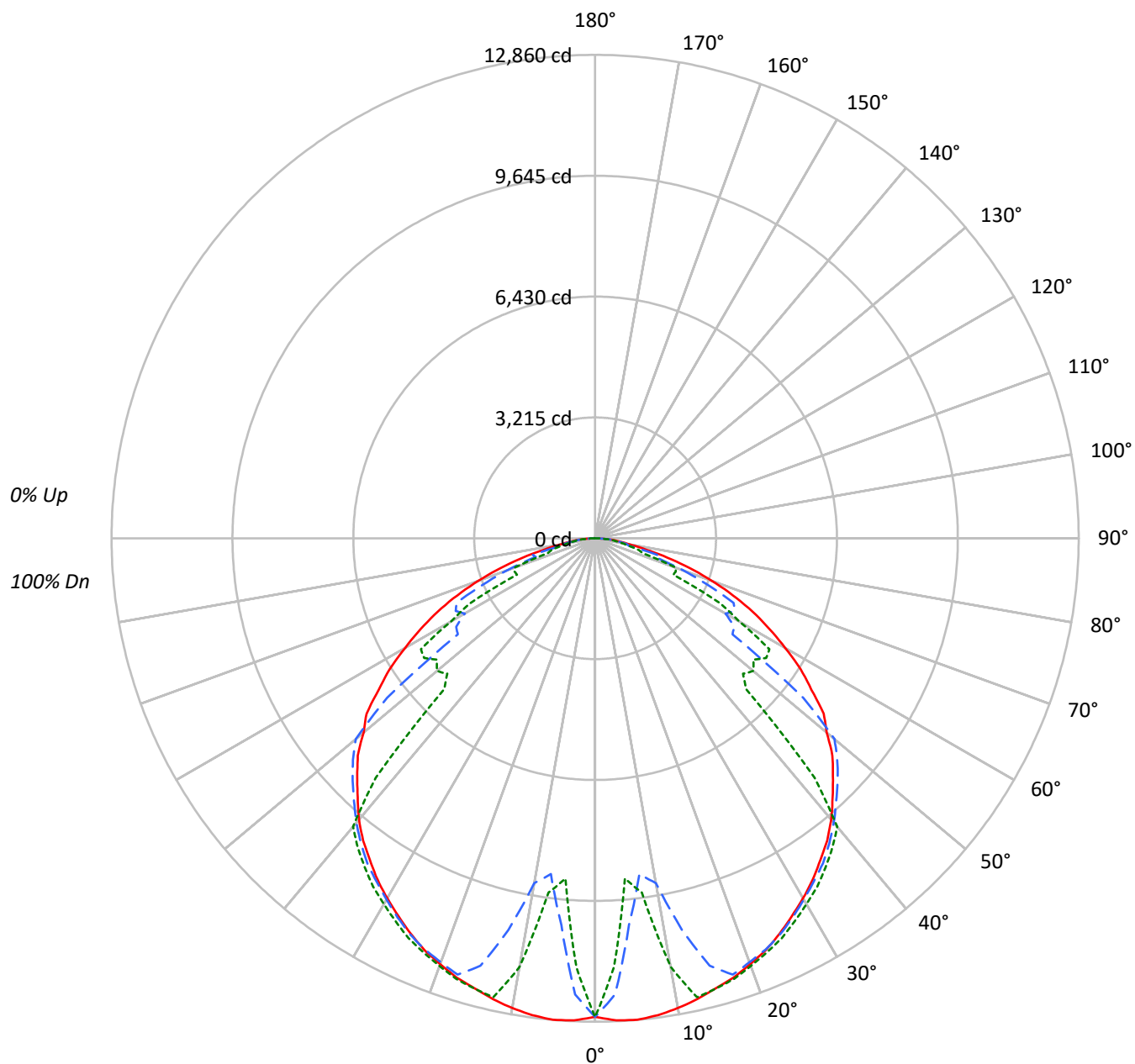
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20556	20556	20556
5°	20842	16744	14725
10°	20806	15270	18991
15°	20714	19681	20732
20°	20714	20620	20803
25°	20677	20723	20913
30°	20617	20685	20952
35°	20584	20812	21056
40°	20587	20812	21110
45°	20426	20825	12942
50°	20195	20867	13793
55°	19769	12547	15633
60°	18858	12934	14315
65°	17669	15529	8759
70°	15603	11765	10737
75°	12432	10694	7446
80°	8564	7729	6399
85°	8207	7134	6769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.1	3.0
10°-20°	3189.5	9.5
20°-30°	5247.4	15.6
30°-40°	6597.9	19.6
40°-50°	6470.9	19.2
50°-60°	5361.5	15.9
60°-70°	3781.6	11.2
70°-80°	1649.9	4.9
80°-90°	412.2	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°	9455.0	28.0
0°-40°	16052.9	47.6
0°-60°	27885.3	82.7
0°-90°	33729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12732	12732	12732	12732	12732	
5°	12860	11969	10331	9367	9086	###
15°	12392	8606	11774	12441	12403	3504
25°	11607	10620	11632	11710	11739	5350
35°	10443	10437	10559	10629	10682	6543
45°	8945	8973	9120	8078	5668	6905
55°	7023	7252	4457	5068	5554	6283
65°	4625	4897	4065	3127	2293	4547
75°	1993	1953	1714	1120	1194	2137
85°	443	394	385	368	365	459
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12731.6	12731.6	12731.6	12731.6	12731.6
2.5°	12836.7	12570.2	12147.0	11614.1	11425.5
5°	12859.5	11968.8	10330.8	9367.2	9085.5
7.5°	12794.1	10877.3	9006.4	9208.8	9507.2
10°	12690.5	9918.3	9313.9	10958.0	11583.7
12.5°	12558.1	9065.7	10670.2	12378.4	12503.2
15°	12392.1	8606.0	11774.1	12440.9	12402.7
17.5°	12252.0	8875.4	12169.8	12316.0	12288.5
20°	12055.6	9412.9	12000.9	12118.1	12107.4
22.5°	11857.7	10049.1	11841.0	11924.8	11924.8
25°	11606.6	10620.1	11632.4	11710.1	11739.1
27.5°	11331.0	10948.8	11372.1	11436.0	11487.8
30°	11058.5	10996.1	11095.1	11177.3	11238.1
32.5°	10770.8	10746.5	10824.1	10910.8	10988.4
35°	10443.4	10437.3	10559.1	10629.1	10682.5
37.5°	10135.9	10114.7	10227.3	10324.7	10365.8
40°	9767.6	9767.6	9874.1	9973.0	10015.7
42.5°	9347.3	9406.8	9489.0	9590.9	8637.9
45°	8945.4	8972.9	9120.5	8077.8	5667.8
47.5°	8558.7	8593.7	8733.9	5192.8	5334.5
50°	8039.7	8197.9	8307.6	5177.7	5491.2
52.5°	7660.6	7729.0	6973.9	5125.9	5302.4
55°	7022.8	7252.5	4457.4	5068.0	5553.6
57.5°	6477.7	6645.2	4383.0	5192.8	5494.2
60°	5839.9	6095.6	4005.3	5010.2	4433.1
62.5°	5227.8	5471.4	4182.0	3943.0	3754.1
65°	4624.9	4897.4	4064.8	3126.9	2292.7
67.5°	3964.2	3710.1	3242.7	2202.9	2318.6
70°	3305.1	2591.1	2492.2	2463.3	2274.4
72.5°	2627.6	1890.8	1654.8	1848.2	1322.9
75°	1992.9	1953.2	1714.3	1120.4	1193.6
77.5°	1382.3	1409.7	918.0	1093.0	907.3
80°	921.1	797.8	831.2	697.2	688.2
82.5°	637.9	651.5	546.5	529.7	537.5
85°	443.0	394.3	385.1	368.5	365.4
87.5°	147.6	172.1	159.9	144.6	153.8
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)