

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: P731010

Luminaire Tested: **HBLED-LD5-36SE-W-A-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-A-UNV-L840
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32208.0 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

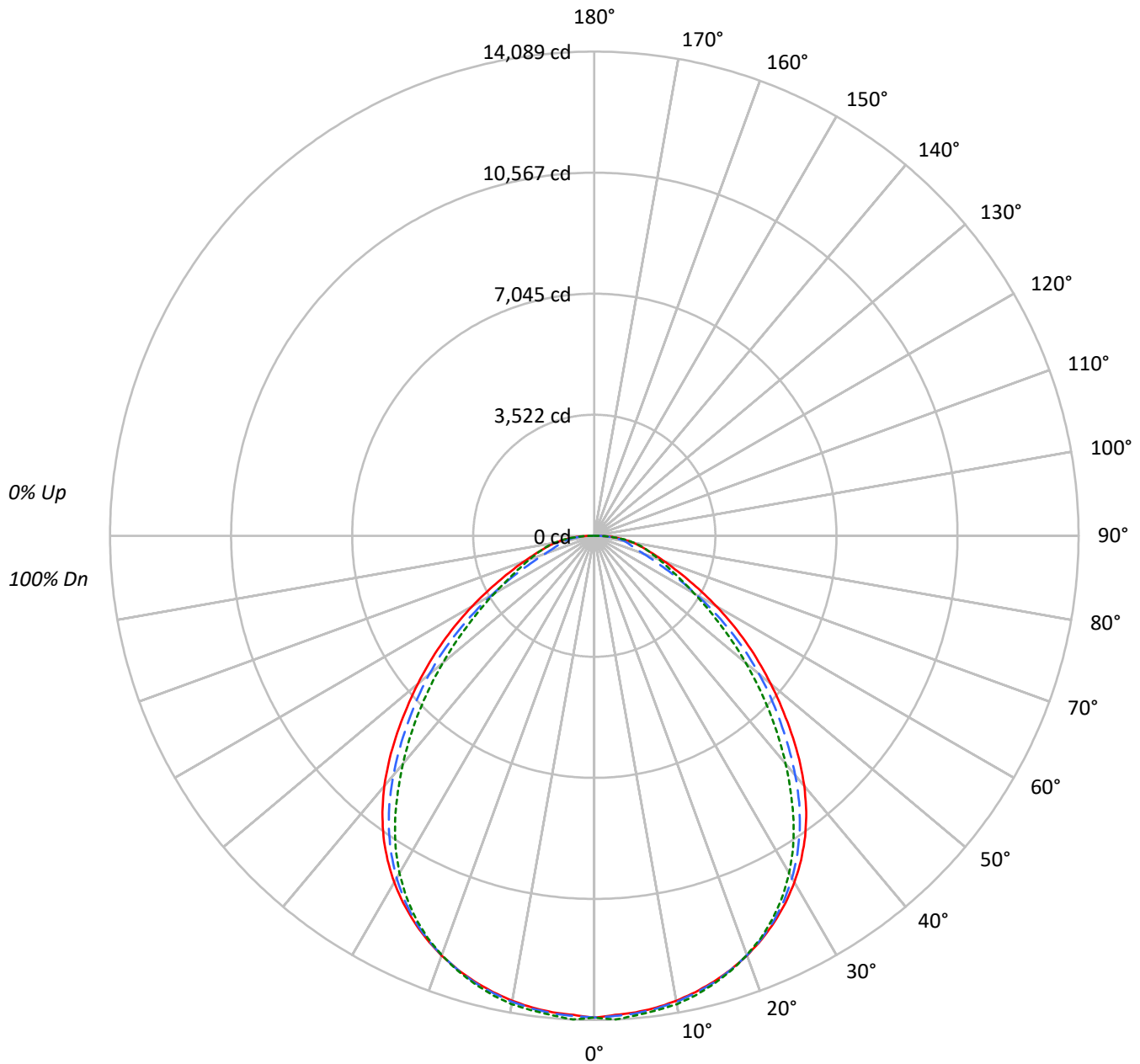
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22637	22637	22637
5°	22558	22609	22701
10°	22525	22577	22691
15°	22450	22495	22548
20°	22333	22316	22300
25°	22090	22014	21890
30°	21709	21447	21134
35°	21078	20548	19915
40°	20030	19170	18250
45°	18504	17471	16413
50°	16821	15732	14438
55°	15125	13620	12481
60°	13235	11131	10830
65°	11411	8753	9774
70°	10174	7144	9420
75°	9746	6974	9844
80°	10542	8248	10967
85°	11836	9931	11951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1328.8	4.1
10°-20°	3803.0	11.8
20°-30°	5688.9	17.7
30°-40°	6490.5	20.2
40°-50°	5908.2	18.3
50°-60°	4338.3	13.5
60°-70°	2561.6	8.0
70°-80°	1468.0	4.6
80°-90°	620.7	1.9
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°	10820.7	33.6
0°-40°	17311.2	53.7
0°-60°	27557.7	85.6
0°-90°	32208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14021	14021	14021	14021	14021	
5°	13918	14005	13950	14005	14006	###
15°	13431	13505	13458	13505	13489	3790
25°	12400	12444	12357	12352	12288	5708
35°	10694	10642	10425	10246	10104	6663
45°	8104	8056	7652	7308	7188	6245
55°	5373	5125	4839	4488	4434	4805
65°	2987	2607	2291	2451	2558	3006
75°	1562	1339	1118	1458	1578	1684
85°	639	590	536	632	645	668
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14020.6	14020.6	14020.6	14020.6	14020.6
2.5°	13955.8	14036.5	13985.8	14041.2	14088.7
5°	13918.0	14004.9	13949.5	14004.9	14006.4
7.5°	13848.4	13928.9	13875.2	13935.3	13928.9
10°	13739.2	13819.9	13770.9	13835.7	13840.5
12.5°	13600.0	13677.5	13627.0	13701.3	13688.7
15°	13430.9	13505.1	13457.7	13505.1	13489.4
17.5°	13231.6	13299.7	13238.0	13290.2	13263.4
20°	12997.6	13054.5	12988.2	13037.1	12978.7
22.5°	12717.8	12768.3	12698.8	12725.6	12665.5
25°	12399.9	12444.2	12357.2	12352.5	12287.6
27.5°	12045.7	12069.5	11958.7	11920.8	11846.5
30°	11644.2	11650.4	11503.4	11432.3	11335.7
32.5°	11193.4	11177.7	10989.4	10883.6	10764.9
35°	10693.8	10641.6	10425.0	10246.4	10104.0
37.5°	10129.4	10047.1	9787.8	9523.7	9387.7
40°	9503.1	9406.7	9095.2	8767.8	8658.8
42.5°	8821.7	8739.5	8372.6	8031.0	7923.5
45°	8103.8	8056.3	7651.5	7308.4	7188.2
47.5°	7385.9	7351.1	6955.8	6606.4	6460.8
50°	6696.5	6620.5	6263.3	5880.5	5747.8
52.5°	6027.6	5872.6	5558.0	5165.8	5067.9
55°	5373.0	5124.8	4838.6	4487.6	4433.7
57.5°	4724.6	4403.7	4125.4	3862.9	3861.4
60°	4098.6	3731.7	3447.0	3309.4	3353.8
62.5°	3511.9	3135.5	2827.2	2836.7	2917.4
65°	2986.9	2607.4	2291.2	2450.9	2558.4
67.5°	2536.3	2174.2	1853.2	2150.5	2253.2
70°	2155.2	1827.9	1513.3	1884.8	1995.5
72.5°	1834.3	1559.1	1276.1	1663.4	1775.7
75°	1562.3	1339.2	1117.9	1457.9	1578.0
77.5°	1340.9	1143.2	1002.6	1261.7	1386.7
80°	1133.8	959.8	887.1	1072.1	1179.5
82.5°	898.1	778.0	735.3	871.2	926.6
85°	638.9	589.8	536.1	632.5	645.1
87.5°	351.0	363.7	300.4	363.7	365.2
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)