

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: P730985

Luminaire Tested: **HBLED-LD5-36SE-N-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
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-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32125.0 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

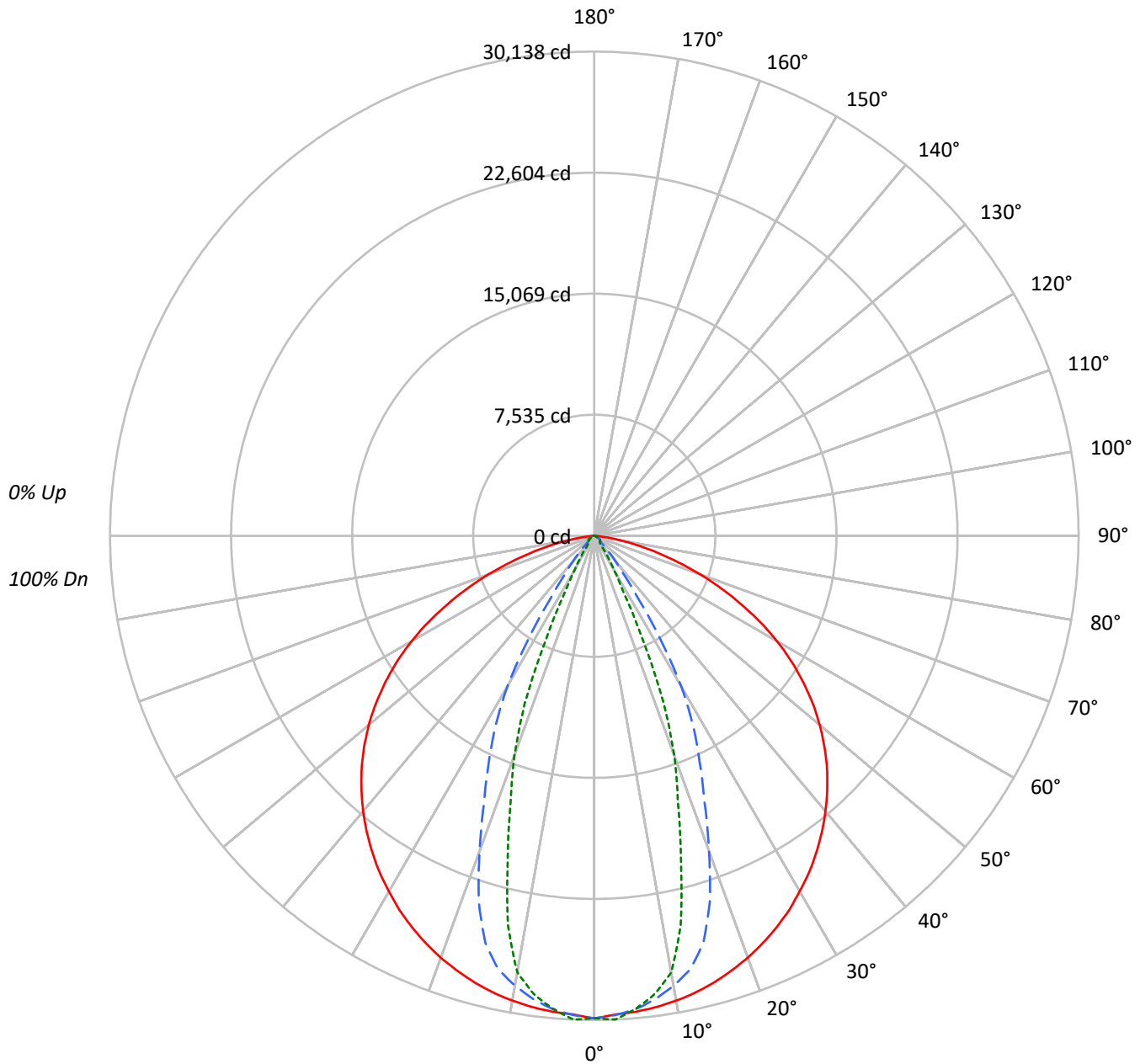
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48498	48498	48498
5°	48201	47949	47914
10°	48168	46623	45247
15°	48113	43843	34791
20°	48019	35878	24955
25°	47869	27643	12681
30°	47642	20174	4614
35°	47472	9265	1606
40°	47180	4205	1108
45°	46760	1569	1123
50°	46015	1139	1182
55°	44653	1199	900
60°	42433	1281	794
65°	38481	975	646
70°	32994	703	595
75°	25218	624	566
80°	15779	586	615
85°	4983	684	826



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2796.5	8.7
10°-20°	7044.6	21.9
20°-30°	7671.9	23.9
30°-40°	5738.9	17.9
40°-50°	4126.4	12.8
50°-60°	2534.3	7.9
60°-70°	1458.3	4.5
70°-80°	650.9	2.0
80°-90°	103.2	0.3
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°	17513.0	54.5
0°-40°	23251.9	72.4
0°-60°	29912.6	93.1
0°-90°	32125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30038	30038	30038	30038	30038	
5°	29740	29879	29584	29612	29563	###
15°	28784	28232	26229	22526	20814	8125
25°	26870	24942	15517	9956	7118	12386
35°	24084	17274	4700	1382	815	15066
45°	20479	9705	687	509	492	15776
55°	15863	2017	426	412	320	14143
65°	10072	221	255	212	169	9971
75°	4042	134	100	103	91	4387
85°	269	26	37	48	45	536
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	30037.7	30037.7	30037.7	30037.7	30037.7
2.5°	29828.7	30023.9	29859.4	30007.0	30137.6
5°	29739.6	29879.4	29584.3	29611.9	29562.8
7.5°	29585.8	29619.6	29086.3	28880.3	28780.4
10°	29379.8	29289.2	28437.6	27947.3	27598.4
12.5°	29120.1	28820.4	27630.6	25879.9	24836.3
15°	28783.5	28231.6	26228.8	22526.1	20813.6
17.5°	28382.3	27616.8	23907.8	18773.9	17292.2
20°	27947.3	26937.4	20881.2	15962.7	14523.9
22.5°	27433.9	26069.0	17896.2	13275.8	11300.7
25°	26869.8	24942.3	15516.9	9955.8	7118.3
27.5°	26261.2	23455.9	13314.2	6105.3	3848.9
30°	25554.1	21646.8	10821.1	3426.2	2474.7
32.5°	24863.9	19537.9	7730.0	2282.5	1581.6
35°	24084.5	17273.8	4700.4	1381.9	814.6
37.5°	23259.1	15215.5	2942.0	751.6	562.5
40°	22384.6	13263.5	1995.1	533.4	525.7
42.5°	21450.0	11497.3	1249.6	507.2	524.1
45°	20478.6	9705.1	687.1	508.8	491.9
47.5°	19424.2	7759.3	479.6	481.1	479.6
50°	18319.0	5565.7	453.5	475.0	470.4
52.5°	17127.7	3455.4	455.0	464.2	416.6
55°	15862.7	2016.6	425.8	412.0	319.7
57.5°	14533.1	1257.3	416.6	339.8	287.4
60°	13140.5	664.1	396.6	305.9	245.9
62.5°	11657.2	327.4	318.1	261.3	201.4
65°	10072.5	221.4	255.2	212.1	169.1
67.5°	8541.6	199.8	192.2	173.7	147.6
70°	6989.1	182.9	149.0	152.2	126.1
72.5°	5465.9	165.9	119.8	130.7	106.0
75°	4042.5	133.8	100.0	102.9	90.8
77.5°	2812.8	104.6	78.5	87.6	84.5
80°	1697.0	66.1	63.0	72.2	66.1
82.5°	822.3	43.0	49.2	56.8	52.2
85°	269.0	26.1	36.9	47.6	44.6
87.5°	33.8	15.4	30.7	41.5	38.4
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)