

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: P730993

Luminaire Tested: **HBLED-LD5-36SE-N-CL-WG-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
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-WG-UNV-L850
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33139.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

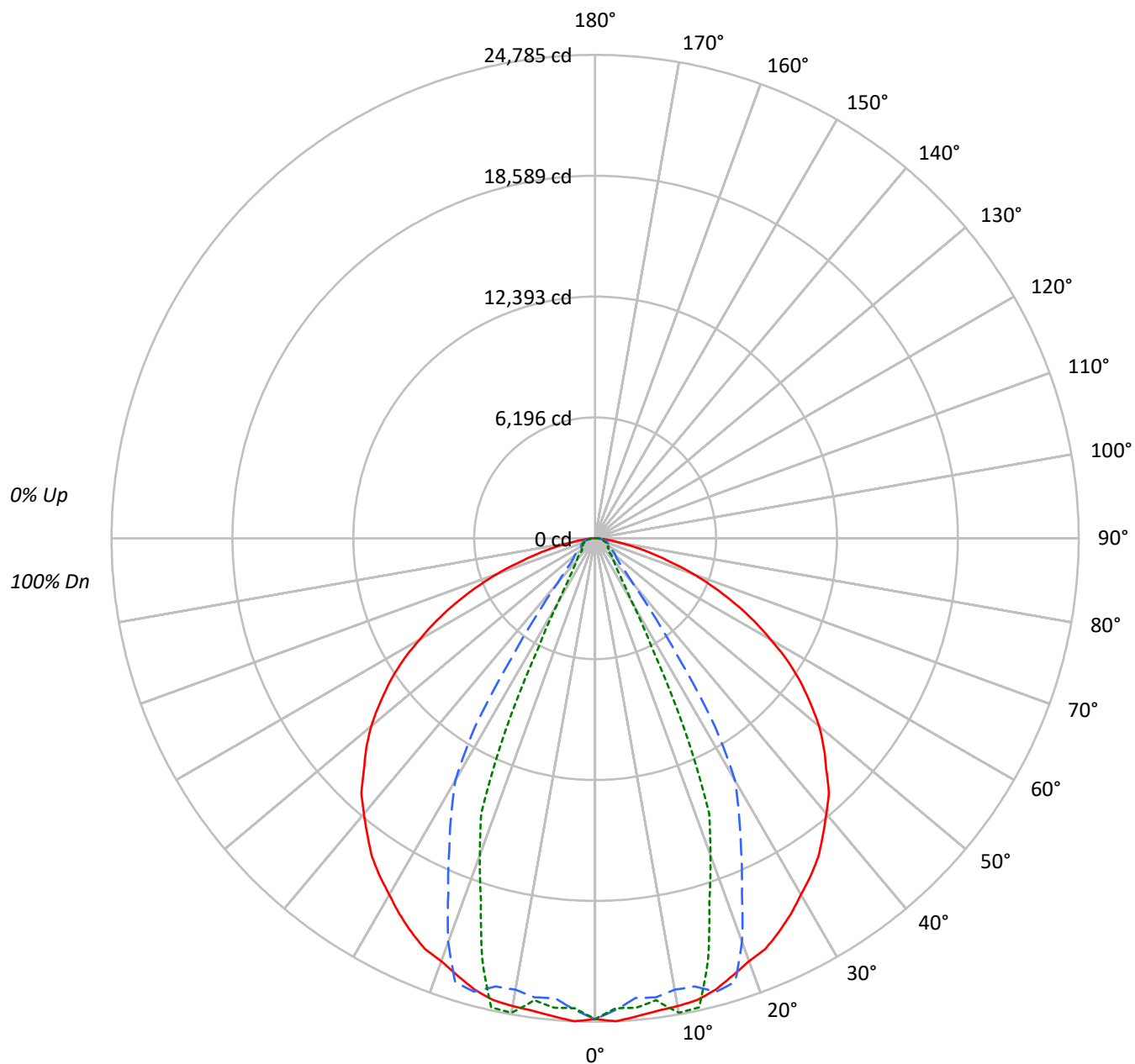
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	82	77	95	87	81	76	84	79	75		82	77	74		79
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		68
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39800	39800	39800
5°	39866	38348	39155
10°	39924	38532	40509
15°	40013	40221	37383
20°	39634	37830	29672
25°	39691	31538	19383
30°	39335	26717	6963
35°	39294	14473	3916
40°	38849	6310	3068
45°	38249	3900	2405
50°	37652	3397	2270
55°	36173	2946	2221
60°	33561	2640	2387
65°	30167	2983	2609
70°	25300	3208	2690
75°	18913	3658	2913
80°	11879	4248	3320
85°	7910	5324	4863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2284.8	6.9
10°-20°	6451.6	19.5
20°-30°	7900.2	23.8
30°-40°	6204.1	18.7
40°-50°	4600.7	13.9
50°-60°	2800.8	8.5
60°-70°	1677.7	5.1
70°-80°	920.5	2.8
80°-90°	298.6	0.9
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°	16636.6	50.2
0°-40°	22840.7	68.9
0°-60°	30242.2	91.3
0°-90°	33139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24650	24650	24650	24650	24650	
5°	24597	23928	23660	23921	24159	###
15°	23938	23282	24062	23090	22364	6740
25°	22280	22350	17703	13885	10880	10256
35°	19936	18135	7343	2457	1987	12439
45°	16751	12028	1708	1294	1053	12953
55°	12850	3314	1047	885	789	11435
65°	7896	977	781	734	683	7801
75°	3032	616	586	510	467	3283
85°	427	336	287	264	262	521
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24650.5	24650.5	24650.5	24650.5	24650.5
2.5°	24785.0	24451.1	24195.3	24052.4	24110.5
5°	24597.2	23927.7	23660.3	23921.2	24158.7
7.5°	24434.4	23439.4	23741.7	23765.0	23889.6
10°	24351.4	23392.8	23502.4	24019.1	24708.5
12.5°	24241.8	23500.9	23539.0	24243.4	24632.1
15°	23937.8	23281.5	24062.4	23090.5	22364.5
17.5°	23494.2	22769.8	23843.0	20455.6	19468.8
20°	23067.2	22213.3	22017.3	18221.2	17269.2
22.5°	22791.5	22128.6	19668.3	16235.9	15252.4
25°	22279.8	22349.5	17702.9	13885.1	10879.9
27.5°	21716.6	21829.6	15965.2	9260.2	6233.2
30°	21098.6	21228.2	14330.3	5472.3	3734.7
32.5°	20538.8	19807.7	11444.7	3414.0	2596.6
35°	19935.7	18134.8	7342.9	2457.1	1987.0
37.5°	19176.5	16377.1	4648.3	1943.7	1668.0
40°	18432.2	14798.9	2993.7	1659.6	1455.4
42.5°	17736.1	13498.1	2178.0	1450.4	1314.2
45°	16751.0	12027.8	1707.9	1294.1	1053.3
47.5°	15898.7	10303.5	1493.5	1094.8	908.8
50°	14989.9	7878.0	1352.3	973.6	903.8
52.5°	13911.7	5153.3	1249.3	932.0	843.9
55°	12850.2	3314.4	1046.6	885.4	789.1
57.5°	11703.9	2101.5	923.7	858.8	824.0
60°	10393.1	1417.1	817.4	814.0	739.3
62.5°	9180.3	1164.6	789.1	780.8	699.4
65°	7896.2	976.8	780.8	734.3	682.8
67.5°	6613.6	837.3	706.1	671.1	626.3
70°	5359.4	765.9	679.5	664.6	569.8
72.5°	4070.1	631.2	603.1	563.2	473.5
75°	3031.8	616.3	586.4	510.0	466.9
77.5°	2051.7	568.2	533.3	456.9	422.0
80°	1277.6	521.6	456.9	400.4	357.1
82.5°	759.2	435.3	375.5	330.6	302.3
85°	427.0	335.6	287.4	264.2	262.5
87.5°	91.4	121.3	96.4	91.4	64.8
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)