

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: P731032

Luminaire Tested: **HBLED-LD5-36SE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CLI-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36520.0 lumens
Efficiency: N/A
Efficacy: 160.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

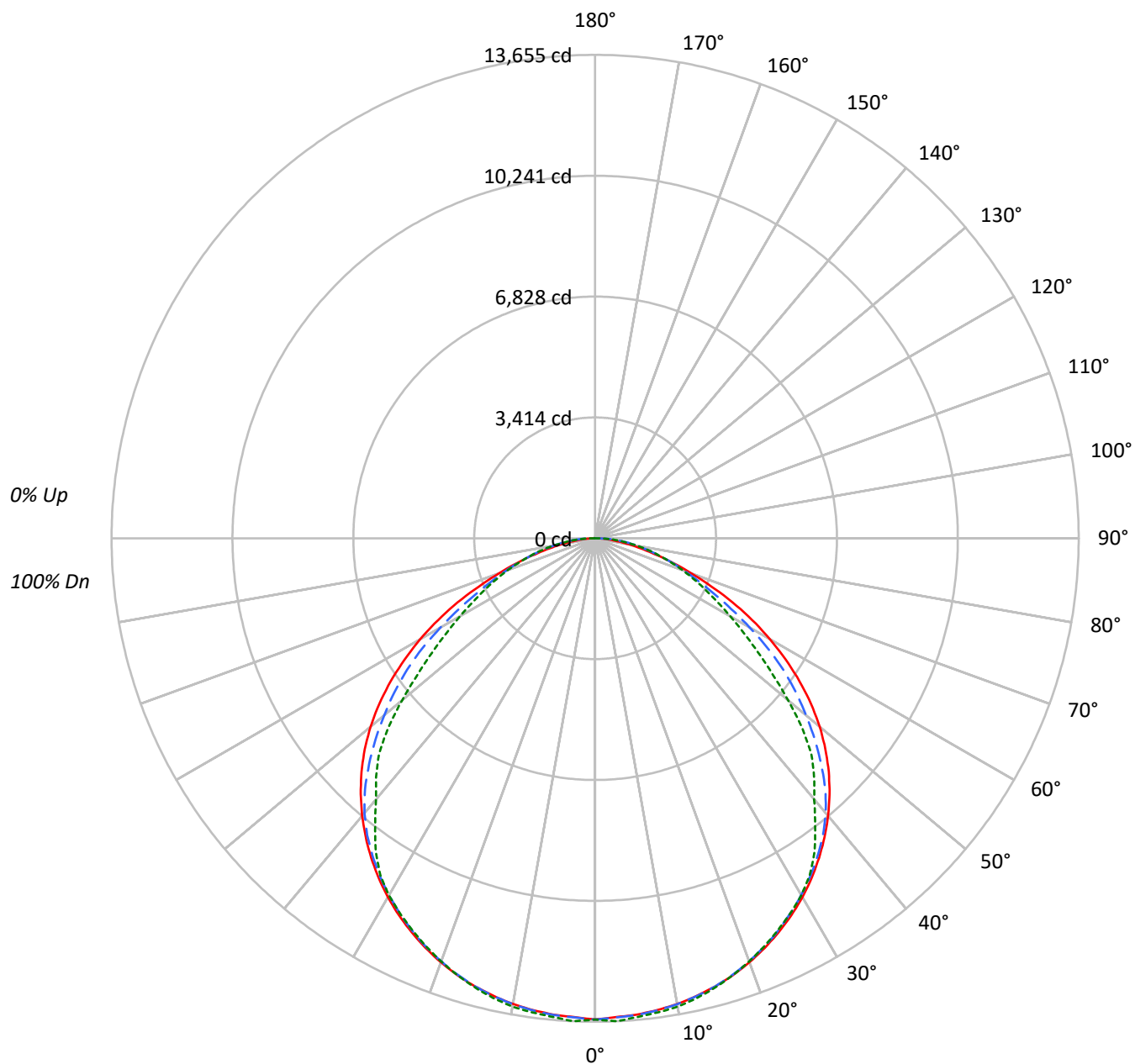
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21947	21947	21947
5°	21888	21904	22002
10°	21900	21911	22026
15°	21903	21900	21952
20°	21898	21847	21853
25°	21864	21783	21757
30°	21828	21698	21710
35°	21726	21592	21286
40°	21572	21352	20275
45°	21298	20616	19714
50°	20785	19519	17855
55°	19839	18255	15788
60°	18411	16288	14238
65°	16365	14102	13092
70°	13581	12602	12340
75°	10984	11533	11677
80°	8724	11031	10986
85°	6830	11851	11304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1289.1	3.5
10°-20°	3707.9	10.2
20°-30°	5653.9	15.5
30°-40°	6840.4	18.7
40°-50°	6928.8	19.0
50°-60°	5726.8	15.7
60°-70°	3782.4	10.4
70°-80°	1972.3	5.4
80°-90°	618.3	1.7
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°	10651.0	29.2
0°-40°	17491.4	47.9
0°-60°	30146.9	82.5
0°-90°	36520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13593	13593	13593	13593	13593	
5°	13505	13586	13515	13573	13575	###
15°	13104	13170	13102	13143	13133	3700
25°	12273	12322	12227	12258	12212	5659
35°	11023	11038	10954	10940	10799	6895
45°	9327	9303	9029	8748	8634	7182
55°	7048	6943	6485	5855	5609	6282
65°	4284	4159	3691	3451	3427	4231
75°	1761	1792	1849	1873	1872	1918
85°	369	475	640	635	610	448
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13592.9	13592.9	13592.9	13592.9	13592.9
2.5°	13535.9	13615.8	13548.8	13607.6	13654.9
5°	13504.8	13586.5	13514.6	13573.4	13575.0
7.5°	13444.5	13526.1	13452.6	13511.3	13509.7
10°	13357.9	13434.7	13364.5	13434.7	13434.7
12.5°	13240.5	13315.5	13247.1	13312.2	13302.4
15°	13103.5	13170.3	13101.8	13142.6	13132.8
17.5°	12941.9	13002.3	12925.5	12959.7	12940.2
20°	12744.4	12799.9	12715.1	12759.2	12718.2
22.5°	12522.4	12574.6	12488.2	12520.9	12475.1
25°	12272.9	12321.8	12227.2	12258.1	12212.5
27.5°	12003.5	12047.6	11941.5	11979.1	11943.1
30°	11708.2	11729.5	11638.1	11687.1	11644.6
32.5°	11378.6	11391.7	11311.6	11355.7	11284.0
35°	11022.8	11037.5	10954.4	10939.6	10799.3
37.5°	10642.6	10649.2	10570.9	10438.6	10206.9
40°	10234.8	10231.5	10130.3	9825.1	9619.5
42.5°	9798.9	9797.4	9619.5	9271.9	9154.5
45°	9327.4	9303.0	9028.7	8748.1	8633.8
47.5°	8821.6	8795.4	8412.0	8188.5	7929.0
50°	8274.9	8229.2	7770.6	7465.4	7108.2
52.5°	7685.8	7615.6	7148.9	6656.1	6318.3
55°	7047.8	6943.3	6484.9	5855.0	5608.6
57.5°	6383.7	6228.6	5783.1	5169.6	4968.9
60°	5701.6	5528.5	5043.9	4539.7	4409.1
62.5°	4999.8	4828.6	4334.1	3953.9	3882.0
65°	4283.5	4159.4	3691.1	3451.3	3426.9
67.5°	3549.2	3505.1	3147.7	3025.4	3015.6
70°	2876.9	2868.7	2669.6	2607.6	2614.1
72.5°	2299.3	2289.4	2260.1	2229.0	2230.7
75°	1760.8	1791.7	1848.8	1873.2	1871.8
77.5°	1313.6	1377.3	1498.0	1546.9	1538.7
80°	938.3	1033.0	1186.4	1232.1	1181.5
82.5°	625.0	724.5	905.6	912.1	871.4
85°	368.7	474.8	639.7	634.8	610.2
87.5°	182.7	285.5	383.5	367.1	350.9
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)