

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: P731014

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-AI-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34672.0 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

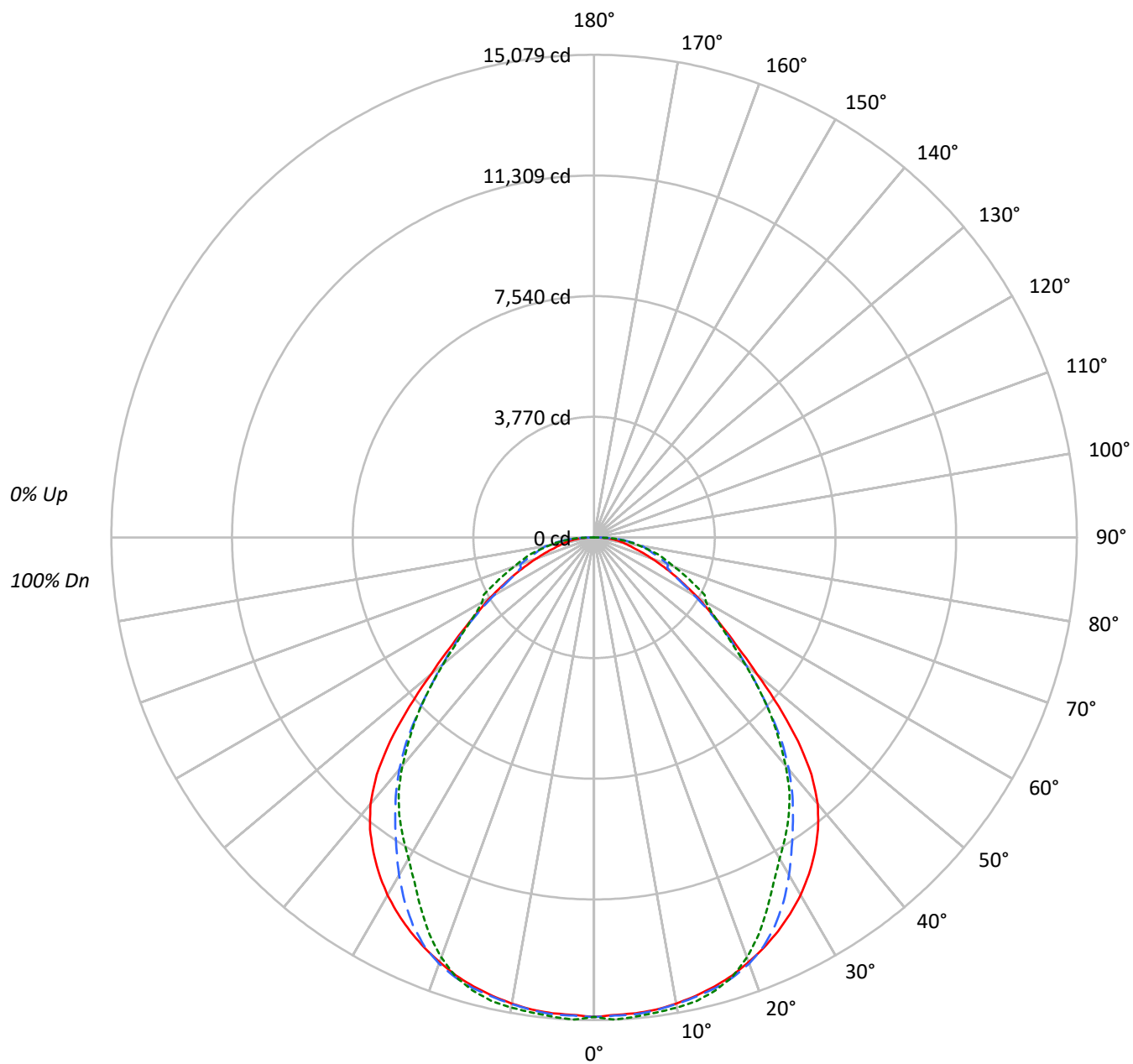
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24186	24186	24186
5°	24184	24237	24355
10°	24244	24275	24453
15°	24282	24372	24491
20°	24257	24347	23986
25°	24196	23833	22797
30°	24053	22709	21602
35°	23691	21344	20899
40°	22899	19956	19627
45°	20582	17820	17754
50°	16693	15522	15415
55°	13861	13604	13598
60°	12001	11651	13025
65°	10401	10336	13129
70°	8968	11595	12515
75°	8042	11883	13047
80°	8359	13989	13090
85°	9489	16121	14957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1426.2	4.1
10°-20°	4119.1	11.9
20°-30°	6117.7	17.6
30°-40°	6945.3	20.0
40°-50°	6208.8	17.9
50°-60°	4292.8	12.4
60°-70°	2832.6	8.2
70°-80°	1911.0	5.5
80°-90°	818.5	2.4
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°	11663.0	33.6
0°-40°	18608.3	53.7
0°-60°	29109.8	84.0
0°-90°	34672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14979	14979	14979	14979	14979	
5°	14922	15013	14954	15015	15027	###
15°	14526	14596	14581	14662	14652	4100
25°	13582	13711	13378	12980	12796	6258
35°	12020	11767	10829	10671	10603	7495
45°	9014	8250	7804	7864	7776	6855
55°	4924	4495	4833	4765	4831	4473
65°	2722	2417	2706	3164	3437	2717
75°	1289	1622	1905	2036	2092	1408
85°	512	712	870	875	807	534
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14979.4	14979.4	14979.4	14979.4	14979.4
2.5°	14928.5	15021.8	14952.3	15016.7	15079.4
5°	14921.7	15013.3	14953.9	15014.9	15026.9
7.5°	14879.3	14964.0	14894.5	14953.9	14967.5
10°	14787.6	14887.8	14806.3	14897.9	14914.9
12.5°	14669.0	14770.8	14699.4	14824.9	14831.8
15°	14526.5	14596.0	14580.8	14662.1	14652.0
17.5°	14346.6	14426.5	14414.5	14434.8	14387.4
20°	14117.7	14207.5	14170.2	14076.9	13959.9
22.5°	13871.7	13980.2	13832.8	13597.0	13432.4
25°	13581.6	13710.6	13378.2	12979.6	12796.3
27.5°	13261.0	13376.4	12823.5	12335.0	12145.0
30°	12901.5	12950.6	12180.5	11715.8	11586.8
32.5°	12485.9	12414.7	11493.6	11186.6	11112.0
35°	12019.5	11766.7	10828.7	10670.9	10603.0
37.5°	11493.6	11030.6	10172.3	10099.4	10028.0
40°	10864.4	10180.7	9468.4	9420.9	9312.2
42.5°	10051.9	9256.3	8686.3	8630.4	8533.6
45°	9013.8	8250.4	7804.3	7863.7	7775.5
47.5°	7819.5	7241.2	6958.0	7120.8	6958.0
50°	6645.7	6257.4	6179.4	6327.0	6137.0
52.5°	5684.0	5334.7	5495.8	5521.2	5407.6
55°	4924.1	4495.0	4832.6	4764.7	4830.8
57.5°	4262.7	3782.5	4198.2	4120.1	4347.4
60°	3716.4	3177.1	3607.9	3590.9	4033.6
62.5°	3180.5	2749.6	3095.6	3345.0	3889.4
65°	2722.5	2417.1	2705.5	3163.5	3436.6
67.5°	2283.1	2167.7	2474.7	2729.2	3027.8
70°	1899.7	1959.1	2456.1	2408.6	2651.1
72.5°	1577.5	1779.4	2167.7	2176.2	2347.6
75°	1289.2	1621.7	1904.9	2035.5	2091.5
77.5°	1072.0	1470.6	1720.0	1765.8	1711.5
80°	899.0	1295.9	1504.5	1484.2	1407.8
82.5°	725.9	982.2	1185.7	1204.4	1114.4
85°	512.2	712.5	870.2	875.3	807.4
87.5°	274.8	439.4	527.6	542.8	502.0
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)