

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: P731006

Luminaire Tested: **HBLED-LD5-36SE-W-A-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731006
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-L735
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: 32750.0 lumens
Efficiency: N/A
Efficacy: 144.0 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

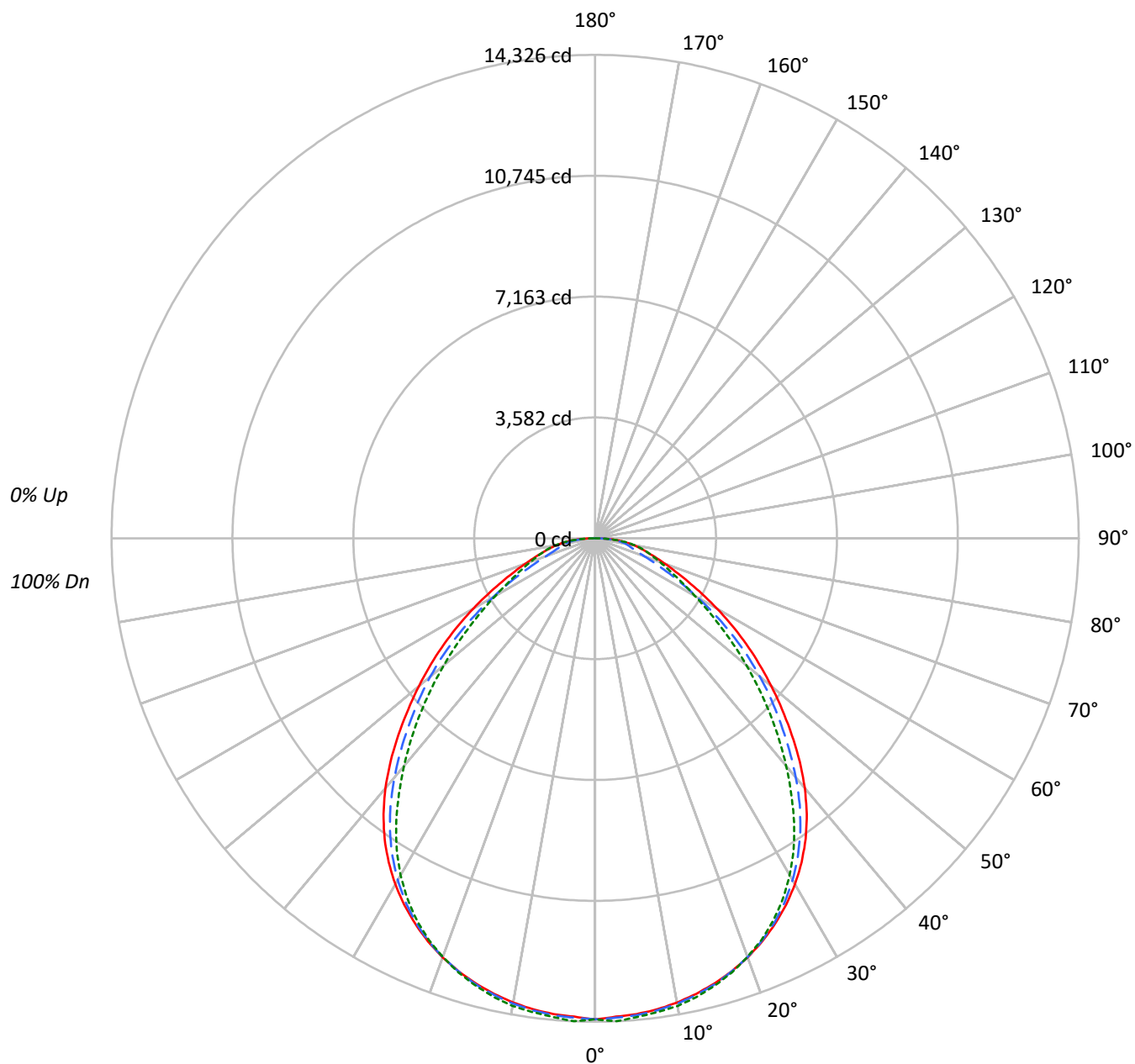
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23019	23019	23019
5°	22937	22989	23083
10°	22904	22957	23073
15°	22828	22874	22928
20°	22708	22692	22675
25°	22462	22385	22259
30°	22074	21807	21490
35°	21433	20894	20251
40°	20367	19493	18557
45°	18815	17765	16689
50°	17104	15997	14681
55°	15379	13850	12691
60°	13458	11318	11012
65°	11603	8900	9939
70°	10345	7264	9579
75°	9910	7091	10009
80°	10719	8387	11152
85°	12034	10098	12153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.2	4.1
10°-20°	3867.0	11.8
20°-30°	5784.6	17.7
30°-40°	6599.8	20.2
40°-50°	6007.6	18.3
50°-60°	4411.3	13.5
60°-70°	2604.7	8.0
70°-80°	1492.7	4.6
80°-90°	631.1	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°	11002.8	33.6
0°-40°	17602.5	53.7
0°-60°	28021.5	85.6
0°-90°	32750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14257	14257	14257	14257	14257	
5°	14152	14241	14184	14241	14242	###
15°	13657	13732	13684	13732	13716	3854
25°	12609	12654	12565	12560	12494	5804
35°	10874	10821	10600	10419	10274	6775
45°	8240	8192	7780	7431	7309	6350
55°	5463	5211	4920	4563	4508	4886
65°	3037	2651	2330	2492	2602	3056
75°	1589	1362	1137	1482	1604	1712
85°	650	600	545	643	656	679
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14256.6	14256.6	14256.6	14256.6	14256.6
2.5°	14190.6	14272.7	14221.2	14277.5	14325.7
5°	14152.2	14240.6	14184.3	14240.6	14242.1
7.5°	14081.4	14163.3	14108.7	14169.8	14163.3
10°	13970.4	14052.4	14002.6	14068.6	14073.4
12.5°	13828.9	13907.7	13856.4	13931.9	13919.0
15°	13656.9	13732.4	13684.2	13732.4	13716.4
17.5°	13454.3	13523.5	13460.8	13513.9	13486.6
20°	13216.3	13274.2	13206.7	13256.5	13197.1
22.5°	12931.9	12983.2	12912.5	12939.8	12878.6
25°	12608.6	12653.6	12565.2	12560.3	12494.4
27.5°	12248.4	12272.6	12160.0	12121.4	12045.8
30°	11840.1	11846.5	11697.0	11624.7	11526.5
32.5°	11381.8	11365.8	11174.4	11066.7	10946.0
35°	10873.8	10820.7	10600.4	10418.8	10274.1
37.5°	10299.8	10216.2	9952.5	9684.0	9545.6
40°	9663.1	9565.0	9248.3	8915.4	8804.5
42.5°	8970.1	8886.5	8513.5	8166.2	8056.8
45°	8240.2	8191.9	7780.2	7431.4	7309.1
47.5°	7510.2	7474.8	7072.9	6717.5	6569.5
50°	6809.2	6732.0	6368.7	5979.5	5844.5
52.5°	6129.0	5971.4	5651.6	5252.8	5153.2
55°	5463.4	5211.0	4920.0	4563.1	4508.3
57.5°	4804.2	4477.8	4194.8	3927.9	3926.3
60°	4167.5	3794.5	3505.0	3365.1	3410.3
62.5°	3571.0	3188.3	2874.8	2884.4	2966.5
65°	3037.2	2651.3	2329.7	2492.1	2601.5
67.5°	2579.0	2210.7	1884.4	2186.7	2291.1
70°	2191.5	1858.6	1538.8	1916.5	2029.1
72.5°	1865.1	1585.3	1297.6	1691.4	1805.6
75°	1588.6	1361.8	1136.7	1482.5	1604.5
77.5°	1363.5	1162.5	1019.4	1283.0	1410.0
80°	1152.8	976.0	902.0	1090.2	1199.4
82.5°	913.2	791.1	747.7	885.9	942.2
85°	649.6	599.7	545.1	643.1	656.0
87.5°	356.9	369.8	305.4	369.8	371.4
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)