

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: P731029

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-WG-UNV-L850
Description: 36000 LUMEN, SE HBLED WITH WIDE 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 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

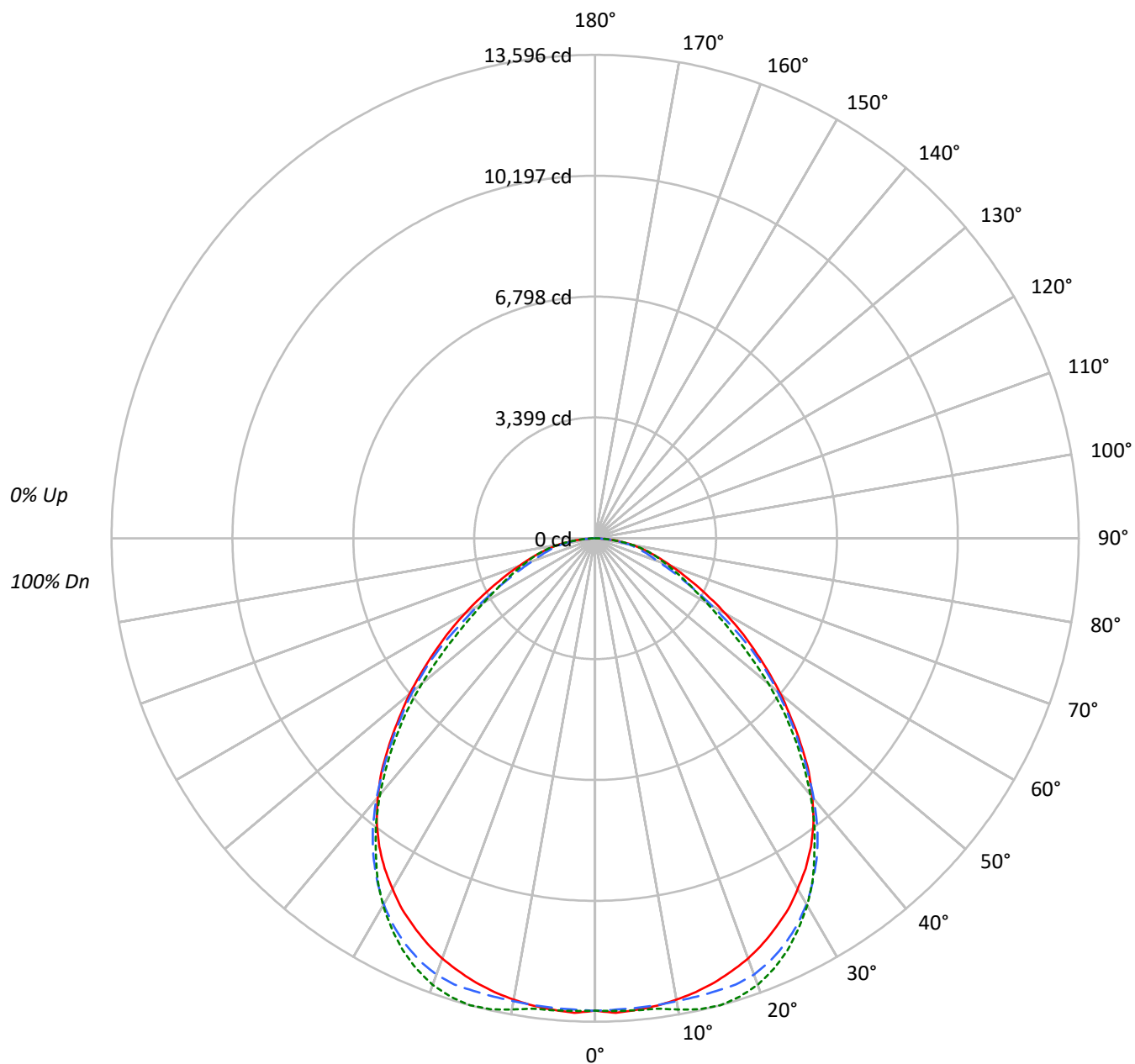
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P731029

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-WG-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P731029

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-WG-UNV-L850

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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21454	21454	21454
5°	21581	21492	21597
10°	21600	21673	22061
15°	21627	22034	22727
20°	21612	22437	22961
25°	21480	22457	22787
30°	21233	22160	22230
35°	20854	21442	21185
40°	20032	20154	19837
45°	18665	18469	18093
50°	17089	16814	15953
55°	15350	14780	13488
60°	13613	12230	11643
65°	11994	10161	10567
70°	10727	8818	10064
75°	10049	8573	10177
80°	9782	8668	9687
85°	7808	6858	7110



TEST NUMBER: P731029

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-WG-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1265.8	3.8
10°-20°	3728.5	11.3
20°-30°	5735.8	17.3
30°-40°	6694.0	20.2
40°-50°	6220.5	18.8
50°-60°	4610.9	13.9
60°-70°	2818.7	8.5
70°-80°	1605.5	4.8
80°-90°	459.2	1.4
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°	10730.1	32.4
0°-40°	17424.1	52.6
0°-60°	28255.6	85.3
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°	13288	13288	13288	13288	13288	
5°	13315	13254	13260	13250	13326	###
15°	12938	12931	13182	13442	13596	3652
25°	12057	12150	12606	12712	12791	5554
35°	10580	10662	10878	10789	10748	6592
45°	8174	8222	8088	7962	7924	6299
55°	5453	5316	5251	4877	4791	4894
65°	3140	2852	2660	2732	2766	3142
75°	1611	1512	1374	1566	1631	1724
85°	422	411	370	384	384	486
90°	0	0	0	0	0	



TEST NUMBER: P731029

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-WG-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13287.8	13287.8	13287.8	13287.8	13287.8
2.5°	13359.8	13284.4	13270.6	13239.8	13308.3
5°	13315.2	13253.5	13260.3	13250.1	13325.5
7.5°	13263.8	13219.3	13246.7	13243.2	13342.7
10°	13174.7	13150.7	13219.3	13294.7	13455.8
12.5°	13075.3	13051.3	13202.1	13394.0	13568.9
15°	12938.2	12931.3	13181.6	13442.0	13596.3
17.5°	12766.8	12777.1	13157.5	13380.4	13517.4
20°	12578.3	12595.4	13058.2	13239.8	13363.2
22.5°	12335.0	12393.3	12866.2	13017.0	13113.0
25°	12057.3	12149.8	12605.7	12712.0	12790.8
27.5°	11759.2	11851.7	12283.5	12338.4	12383.0
30°	11389.0	11519.2	11885.9	11892.9	11923.6
32.5°	11012.0	11128.6	11409.6	11378.7	11385.5
35°	10580.2	10662.4	10878.3	10789.3	10748.1
37.5°	10083.3	10127.8	10264.8	10131.3	10124.3
40°	9504.0	9562.3	9562.3	9377.2	9411.5
42.5°	8887.1	8907.6	8822.0	8647.1	8674.5
45°	8174.1	8222.1	8088.4	7961.7	7924.0
47.5°	7468.1	7516.1	7375.6	7228.3	7163.2
50°	6803.3	6779.2	6693.7	6443.4	6350.9
52.5°	6114.4	6039.0	6004.7	5638.0	5531.7
55°	5452.9	5315.8	5250.7	4877.0	4791.4
57.5°	4839.3	4592.7	4469.3	4178.0	4143.6
60°	4215.7	3938.0	3787.2	3598.7	3605.5
62.5°	3650.2	3358.7	3177.2	3122.4	3146.3
65°	3139.5	2851.5	2659.7	2731.6	2765.8
67.5°	2676.8	2440.3	2224.4	2392.3	2426.5
70°	2272.4	2083.8	1867.9	2114.7	2131.8
72.5°	1936.4	1782.2	1600.5	1833.6	1871.3
75°	1610.8	1511.5	1374.3	1566.3	1631.4
77.5°	1326.3	1247.6	1168.7	1285.3	1357.2
80°	1052.1	973.4	932.2	993.9	1041.8
82.5°	743.7	692.4	651.2	695.7	719.8
85°	421.5	411.2	370.2	383.8	383.8
87.5°	96.0	109.6	123.4	113.1	96.0
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)