

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: P730989

Luminaire Tested: **HBLED-LD5-36SE-N-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730989
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-L740
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: 34049.0 lumens
Efficiency: N/A
Efficacy: 149.7 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

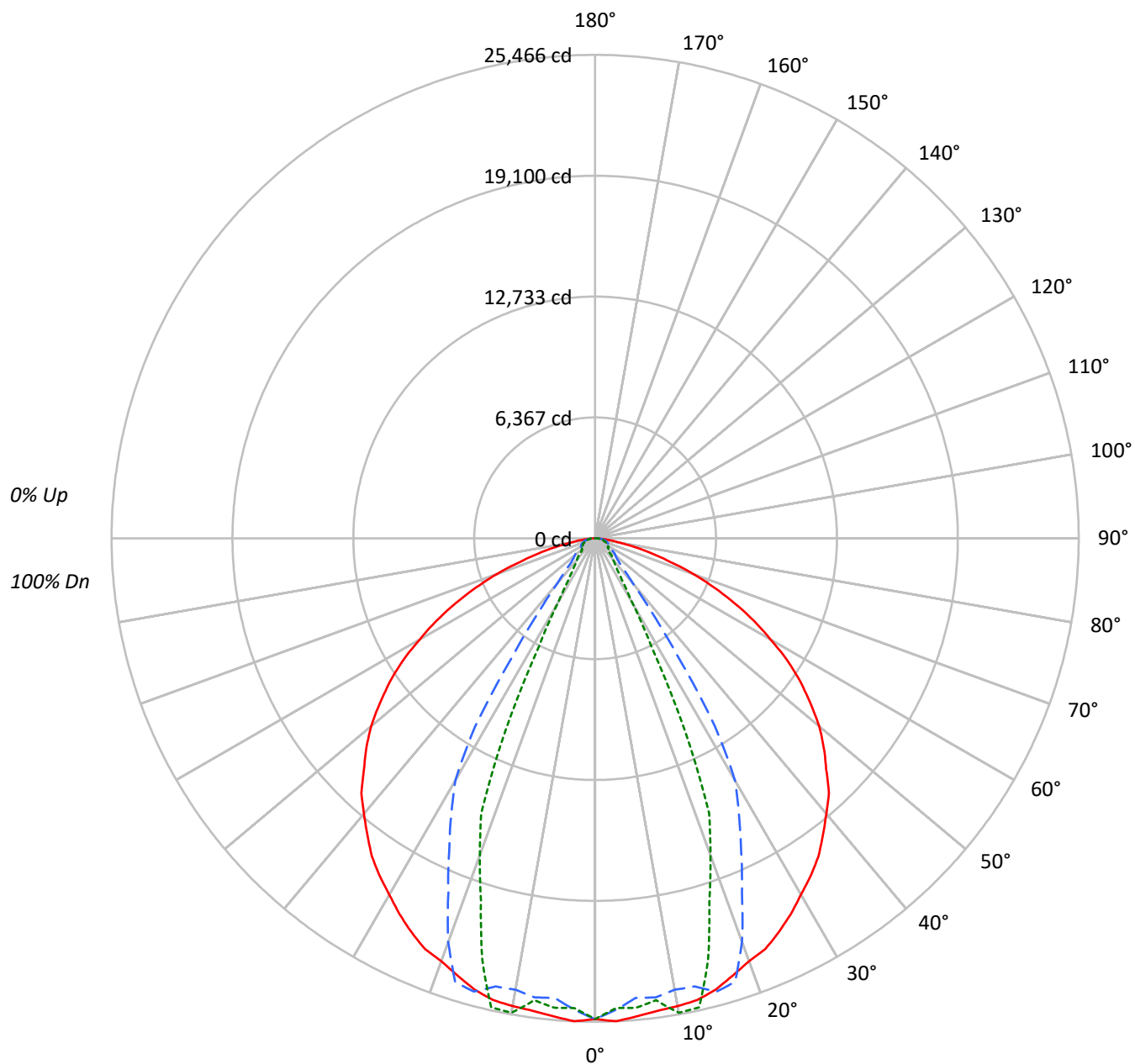
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730989

CATALOG NUMBER: HBLED-LD5-36SE-N-CL-WG-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730989

CATALOG NUMBER: HBLED-LD5-36SE-N-CL-WG-UNV-L740

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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40893	40893	40893
5°	40961	39401	40231
10°	41020	39590	41622
15°	41112	41326	38410
20°	40723	38869	30487
25°	40781	32404	19915
30°	40416	27451	7154
35°	40373	14871	4024
40°	39916	6483	3152
45°	39299	4007	2471
50°	38686	3490	2333
55°	37166	3027	2282
60°	34483	2712	2453
65°	30995	3065	2680
70°	25995	3296	2764
75°	19433	3759	2993
80°	12206	4364	3411
85°	8127	5471	4996



TEST NUMBER: P730989

CATALOG NUMBER: HBLED-LD5-36SE-N-CL-WG-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2347.5	6.9
10°-20°	6628.8	19.5
20°-30°	8117.2	23.8
30°-40°	6374.4	18.7
40°-50°	4727.1	13.9
50°-60°	2877.7	8.5
60°-70°	1723.8	5.1
70°-80°	945.8	2.8
80°-90°	306.7	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°	17093.5	50.2
0°-40°	23467.9	68.9
0°-60°	31072.7	91.3
0°-90°	34049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25327	25327	25327	25327	25327	
5°	25273	24585	24310	24578	24822	###
15°	24595	23921	24723	23725	22979	6925
25°	22892	22963	18189	14266	11179	10538
35°	20483	18633	7545	2525	2042	12781
45°	17211	12358	1755	1330	1082	13309
55°	13203	3405	1075	910	811	11749
65°	8113	1004	802	754	702	8016
75°	3115	633	602	524	480	3373
85°	439	345	295	271	270	535
90°	0	0	0	0	0	



TEST NUMBER: P730989

CATALOG NUMBER: HBLED-LD5-36SE-N-CL-WG-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25327.4	25327.4	25327.4	25327.4	25327.4
2.5°	25465.6	25122.5	24859.7	24712.9	24772.5
5°	25272.7	24584.8	24310.0	24578.0	24822.1
7.5°	25105.4	24083.0	24393.6	24417.6	24545.6
10°	25020.1	24035.2	24147.8	24678.6	25387.0
12.5°	24907.5	24146.2	24185.4	24909.1	25308.5
15°	24595.2	23920.8	24723.1	23724.6	22978.6
17.5°	24139.3	23395.1	24497.7	21017.4	20003.5
20°	23700.6	22823.3	22621.9	18721.5	17743.4
22.5°	23417.3	22736.3	20208.4	16681.7	15671.2
25°	22891.6	22963.2	18189.1	14266.4	11178.7
27.5°	22312.9	22429.0	16403.6	9514.5	6404.3
30°	21677.9	21811.2	14723.9	5622.5	3837.2
32.5°	21102.8	20351.7	11759.0	3507.7	2667.9
35°	20483.1	18632.7	7544.6	2524.6	2041.5
37.5°	19703.1	16826.8	4775.9	1997.1	1713.8
40°	18938.4	15205.3	3075.9	1705.2	1495.3
42.5°	18223.1	13868.8	2237.8	1490.2	1350.3
45°	17211.0	12358.1	1754.8	1329.6	1082.2
47.5°	16335.3	10586.4	1534.5	1124.9	933.8
50°	15401.5	8094.3	1389.4	1000.3	928.6
52.5°	14293.8	5294.8	1283.6	957.6	867.1
55°	13203.1	3405.4	1075.3	909.8	810.8
57.5°	12025.3	2159.3	949.1	882.4	846.6
60°	10678.5	1456.0	839.9	836.3	759.6
62.5°	9432.4	1196.5	810.8	802.3	718.6
65°	8113.0	1003.7	802.3	754.5	701.5
67.5°	6795.2	860.3	725.5	689.5	643.5
70°	5506.6	786.9	698.2	682.8	585.4
72.5°	4181.9	648.6	619.6	578.7	486.6
75°	3115.1	633.2	602.5	524.0	479.7
77.5°	2108.1	583.8	548.0	469.4	433.6
80°	1312.7	536.0	469.4	411.4	366.9
82.5°	780.0	447.2	385.8	339.7	310.6
85°	438.7	344.8	295.3	271.4	269.7
87.5°	93.9	124.6	99.0	93.9	66.5
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)