

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: P730911

Luminaire Tested: **HBLED-LD5-30SE-W-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CL-UNV-L740
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29628.0 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

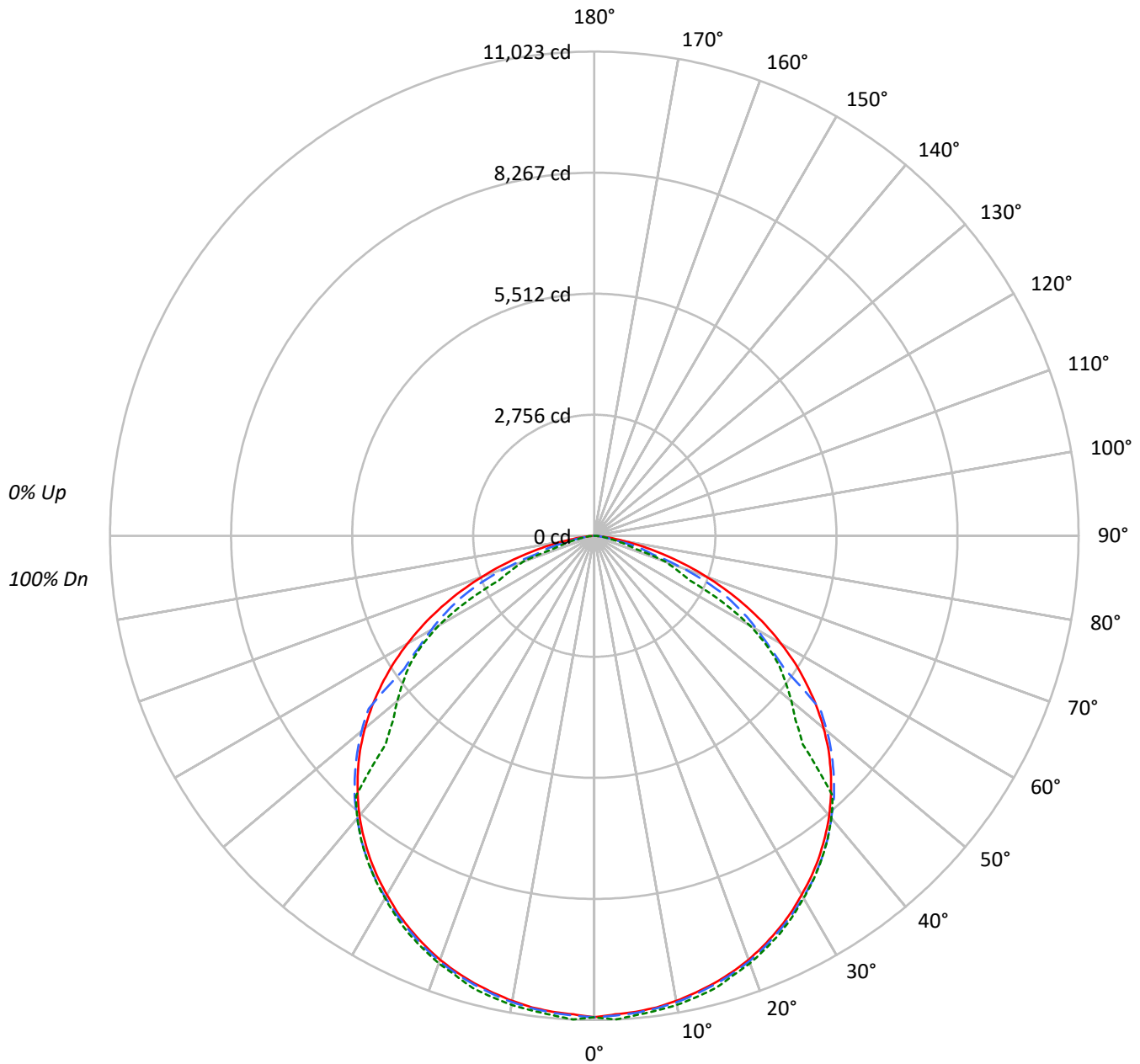
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730911

CATALOG NUMBER: HBLED-LD5-30SE-W-CL-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730911

CATALOG NUMBER: HBLED-LD5-30SE-W-CL-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17695	17695	17695
5°	17630	17669	17756
10°	17629	17679	17782
15°	17627	17681	17824
20°	17649	17716	17798
25°	17629	17696	17803
30°	17596	17725	17765
35°	17588	17748	17761
40°	17533	17688	17688
45°	17382	17593	15329
50°	17114	17372	14708
55°	16629	14871	14447
60°	15848	13823	13198
65°	14657	12832	9140
70°	12762	9985	8145
75°	10081	6701	4379
80°	6488	3200	2729
85°	2669	1954	2149



TEST NUMBER: P730911

CATALOG NUMBER: HBLED-LD5-30SE-W-CL-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1039.6	3.5
10°-20°	2996.4	10.1
20°-30°	4594.0	15.5
30°-40°	5630.7	19.0
40°-50°	5788.8	19.5
50°-60°	4940.4	16.7
60°-70°	3266.2	11.0
70°-80°	1210.1	4.1
80°-90°	161.8	0.5
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°	8630.0	29.1
0°-40°	14260.7	48.1
0°-60°	24989.9	84.3
0°-90°	29628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10959	10959	10959	10959	10959	
5°	10878	10954	10902	10945	10955	###
15°	10546	10610	10578	10658	10663	2979
25°	9896	9948	9933	10022	9993	4563
35°	8923	8984	9004	9060	9011	5581
45°	7613	7689	7705	7693	6713	5867
55°	5907	6015	5283	5129	5132	5271
65°	3836	3868	3359	2762	2392	3783
75°	1616	1416	1074	722	702	1734
85°	144	103	106	115	116	238
90°	0	0	0	0	0	



TEST NUMBER: P730911

CATALOG NUMBER: HBLED-LD5-30SE-W-CL-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10959.3	10959.3	10959.3	10959.3	10959.3
2.5°	10905.9	10974.0	10933.9	10984.6	11023.3
5°	10877.9	10953.9	10901.9	10944.6	10955.3
7.5°	10829.9	10900.5	10852.5	10908.6	10900.5
10°	10752.5	10816.5	10783.2	10841.9	10845.8
12.5°	10653.7	10717.7	10687.1	10759.1	10757.7
15°	10545.6	10609.7	10577.6	10657.7	10663.1
17.5°	10418.8	10477.6	10453.5	10527.0	10497.5
20°	10272.0	10322.7	10310.7	10380.2	10358.7
22.5°	10091.9	10143.9	10132.0	10212.1	10179.9
25°	9895.8	9947.9	9933.1	10022.5	9993.2
27.5°	9683.7	9732.9	9731.6	9815.8	9770.4
30°	9438.1	9503.5	9507.5	9582.2	9528.8
32.5°	9195.3	9256.6	9274.0	9328.7	9283.3
35°	8923.1	8984.4	9004.4	9060.5	9011.1
37.5°	8629.4	8681.5	8717.5	8758.8	8720.2
40°	8318.5	8365.2	8392.0	8442.6	8392.0
42.5°	7971.6	8038.4	8075.7	8111.7	8029.0
45°	7612.6	7688.7	7704.7	7692.7	6713.2
47.5°	7232.4	7315.1	7324.5	6387.7	6207.6
50°	6813.3	6917.5	6916.1	5903.2	5855.3
52.5°	6377.0	6477.1	6473.1	5524.3	5492.4
55°	5907.3	6015.4	5282.8	5129.4	5132.1
57.5°	5428.2	5505.6	4739.8	4746.3	4658.3
60°	4907.9	4981.2	4280.7	4239.4	4087.2
62.5°	4386.2	4416.8	3836.4	3634.8	3345.3
65°	3836.4	3868.4	3358.7	2762.2	2392.5
67.5°	3272.0	3304.0	2787.5	2055.0	2026.9
70°	2703.4	2441.9	2115.1	1712.1	1725.3
72.5°	2143.0	1876.2	1382.4	1326.3	958.0
75°	1616.0	1415.8	1074.2	721.9	701.9
77.5°	1124.9	975.4	575.1	492.4	460.4
80°	697.8	489.7	344.2	305.6	293.5
82.5°	353.6	281.6	186.8	186.8	186.8
85°	144.1	102.8	105.5	114.7	116.0
87.5°	30.6	41.4	50.7	52.1	50.7
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)