

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: P730900

Luminaire Tested: **HBLED-LD5-30SE-W-A-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730900
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-LD5-30SE-W-A-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29567.0 lumens
Efficiency: N/A
Efficacy: 155.6 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

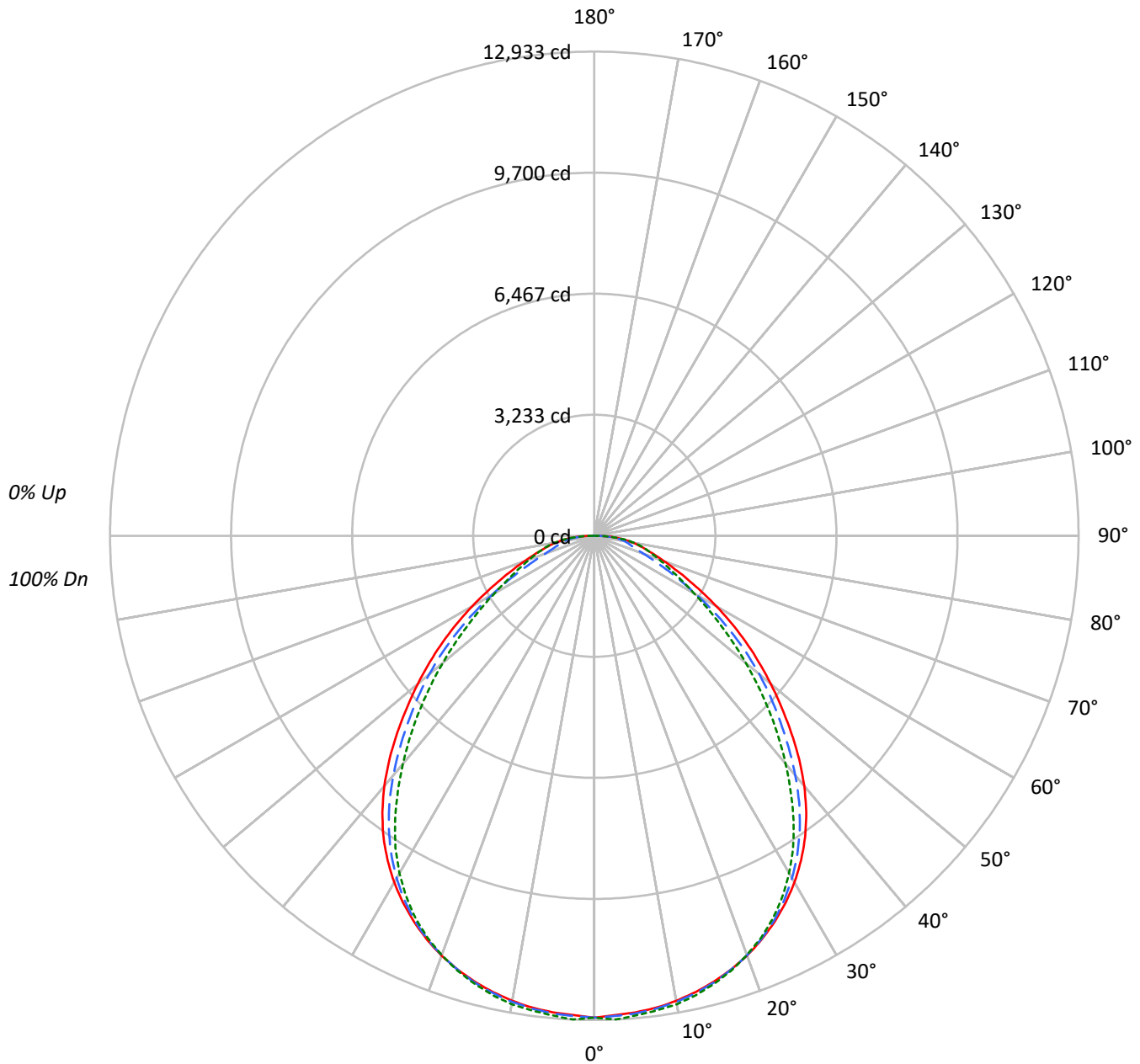
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20781	20781	20781
5°	20708	20755	20840
10°	20678	20726	20831
15°	20609	20651	20699
20°	20501	20486	20472
25°	20279	20209	20095
30°	19929	19688	19401
35°	19350	18863	18282
40°	18387	17598	16754
45°	16987	16039	15068
50°	15441	14442	13254
55°	13884	12503	11457
60°	12150	10218	9942
65°	10476	8036	8973
70°	9340	6558	8648
75°	8947	6402	9037
80°	9677	7571	10068
85°	10865	9116	10971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1219.9	4.1
10°-20°	3491.1	11.8
20°-30°	5222.4	17.7
30°-40°	5958.3	20.2
40°-50°	5423.7	18.3
50°-60°	3982.6	13.5
60°-70°	2351.5	8.0
70°-80°	1347.6	4.6
80°-90°	569.8	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°	9933.4	33.6
0°-40°	15891.7	53.7
0°-60°	25298.0	85.6
0°-90°	29567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12871	12871	12871	12871	12871	
5°	12777	12856	12806	12856	12858	###
15°	12330	12398	12354	12398	12383	3479
25°	11383	11424	11344	11340	11280	5240
35°	9817	9769	9570	9406	9276	6116
45°	7439	7396	7024	6709	6599	5733
55°	4932	4705	4442	4120	4070	4411
65°	2742	2394	2103	2250	2349	2759
75°	1434	1229	1026	1338	1449	1546
85°	586	541	492	581	592	613
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12871.0	12871.0	12871.0	12871.0	12871.0
2.5°	12811.4	12885.5	12839.0	12889.9	12933.4
5°	12776.7	12856.5	12805.7	12856.5	12857.9
7.5°	12712.8	12786.8	12737.5	12792.7	12786.8
10°	12612.6	12686.7	12641.7	12701.2	12705.6
12.5°	12484.9	12556.0	12509.6	12577.8	12566.2
15°	12329.5	12397.8	12354.2	12397.8	12383.3
17.5°	12146.7	12209.1	12152.5	12200.4	12175.8
20°	11931.8	11984.1	11923.1	11968.1	11914.5
22.5°	11675.0	11721.3	11657.5	11682.1	11627.0
25°	11383.1	11423.8	11343.9	11339.6	11280.1
27.5°	11058.0	11079.8	10978.1	10943.3	10875.1
30°	10689.4	10695.1	10560.1	10494.9	10406.2
32.5°	10275.6	10261.1	10088.3	9991.1	9882.2
35°	9816.9	9769.0	9570.2	9406.2	9275.5
37.5°	9298.8	9223.3	8985.2	8742.8	8617.9
40°	8723.9	8635.4	8349.4	8048.9	7948.8
42.5°	8098.3	8022.8	7686.0	7372.5	7273.8
45°	7439.3	7395.7	7024.1	6709.1	6598.8
47.5°	6780.3	6748.3	6385.5	6064.6	5931.0
50°	6147.4	6077.7	5749.7	5398.3	5276.5
52.5°	5533.3	5391.0	5102.3	4742.2	4652.3
55°	4932.4	4704.6	4441.8	4119.6	4070.2
57.5°	4337.2	4042.6	3787.1	3546.1	3544.7
60°	3762.5	3425.7	3164.4	3038.1	3078.8
62.5°	3223.9	2878.4	2595.4	2604.1	2678.2
65°	2742.0	2393.6	2103.3	2249.9	2348.6
67.5°	2328.3	1995.9	1701.2	1974.2	2068.4
70°	1978.5	1678.0	1389.2	1730.2	1831.9
72.5°	1683.9	1431.2	1171.4	1527.0	1630.1
75°	1434.2	1229.4	1026.2	1338.4	1448.6
77.5°	1231.0	1049.5	920.4	1158.3	1273.0
80°	1040.8	881.1	814.3	984.2	1082.8
82.5°	824.4	714.2	675.0	799.8	850.6
85°	586.5	541.4	492.1	580.6	592.2
87.5°	322.2	333.9	275.7	333.9	335.3
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)