

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: P730898

Luminaire Tested: **HBLED-LD5-30SE-W-A-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730898
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-L735
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: 28023.0 lumens
Efficiency: N/A
Efficacy: 147.5 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

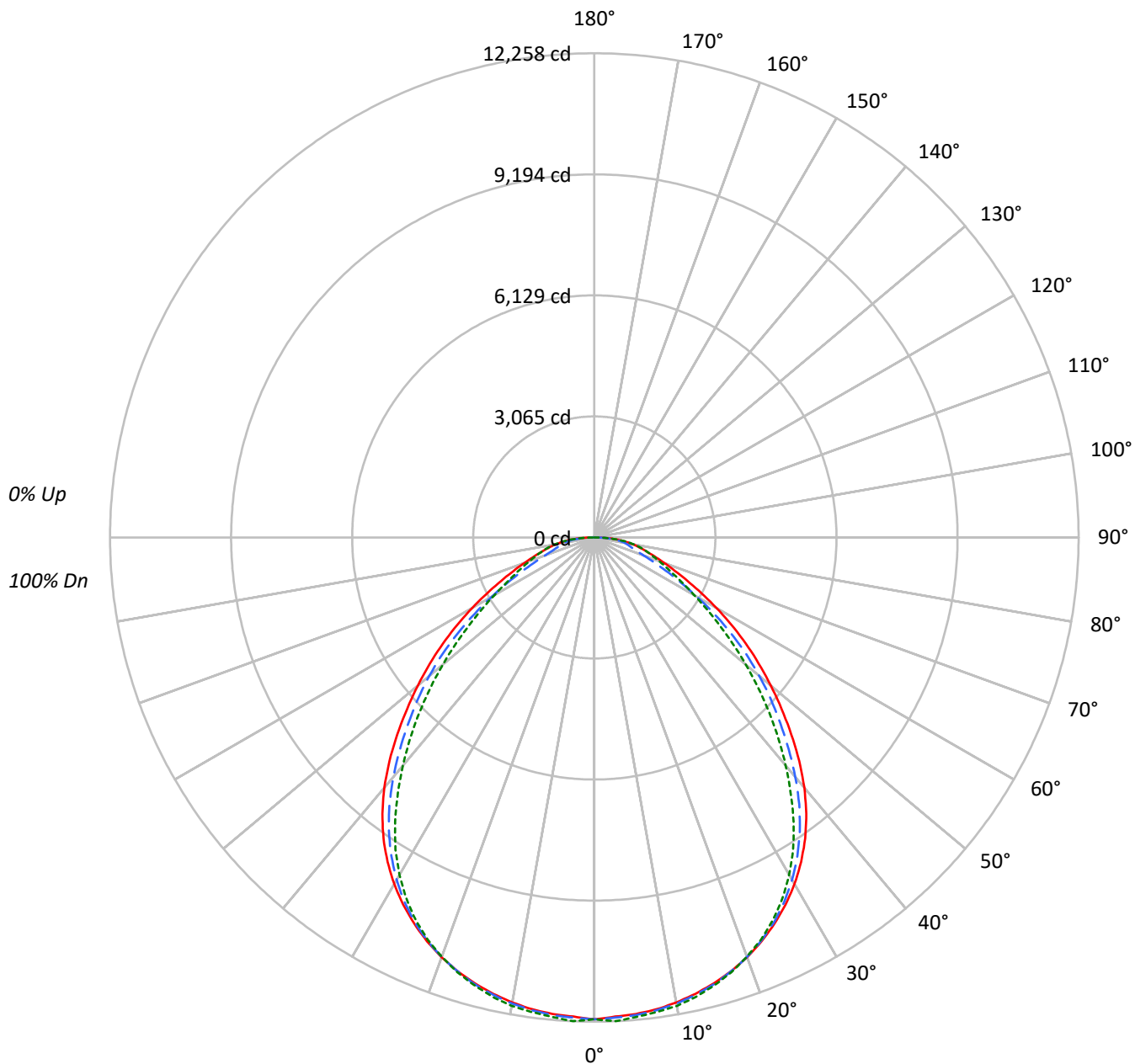
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19696	19696	19696
5°	19627	19671	19751
10°	19598	19644	19743
15°	19533	19572	19618
20°	19431	19417	19403
25°	19220	19154	19046
30°	18888	18660	18388
35°	18339	17878	17328
40°	17427	16679	15879
45°	16100	15201	14281
50°	14635	13688	12562
55°	13159	11851	10859
60°	11515	9685	9423
65°	9929	7616	8504
70°	8852	6216	8196
75°	8480	6067	8565
80°	9172	7176	9543
85°	10298	8640	10398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1156.2	4.1
10°-20°	3308.8	11.8
20°-30°	4949.7	17.7
30°-40°	5647.2	20.2
40°-50°	5140.5	18.3
50°-60°	3774.6	13.5
60°-70°	2228.7	8.0
70°-80°	1277.3	4.6
80°-90°	540.0	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°	9414.7	33.6
0°-40°	15061.8	53.7
0°-60°	23977.0	85.6
0°-90°	28023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12199	12199	12199	12199	12199	
5°	12110	12185	12137	12185	12186	###
15°	11686	11750	11709	11750	11737	3298
25°	10789	10827	10752	10747	10691	4966
35°	9304	9259	9070	8915	8791	5797
45°	7051	7010	6657	6359	6254	5434
55°	4675	4459	4210	3904	3858	4181
65°	2599	2269	1994	2132	2226	2615
75°	1359	1165	973	1268	1373	1465
85°	556	513	466	550	561	581
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12198.8	12198.8	12198.8	12198.8	12198.8
2.5°	12142.4	12212.6	12168.6	12216.7	12258.0
5°	12109.5	12185.2	12137.0	12185.2	12186.5
7.5°	12049.0	12119.1	12072.3	12124.6	12119.1
10°	11953.9	12024.2	11981.5	12038.0	12042.1
12.5°	11832.9	11900.3	11856.4	11921.0	11910.0
15°	11685.7	11750.3	11709.1	11750.3	11736.7
17.5°	11512.4	11571.5	11517.9	11563.3	11540.0
20°	11308.7	11358.3	11300.5	11343.1	11292.3
22.5°	11065.3	11109.3	11048.7	11072.1	11019.8
25°	10788.7	10827.2	10751.6	10747.4	10691.0
27.5°	10480.5	10501.2	10404.9	10371.8	10307.2
30°	10131.2	10136.6	10008.7	9946.8	9862.8
32.5°	9739.0	9725.3	9561.5	9469.4	9366.1
35°	9304.3	9258.9	9070.4	8915.0	8791.1
37.5°	8813.2	8741.6	8516.0	8286.2	8167.9
40°	8268.3	8184.4	7913.4	7628.6	7533.7
42.5°	7675.4	7603.9	7284.7	6987.5	6893.9
45°	7050.8	7009.5	6657.3	6358.8	6254.2
47.5°	6426.2	6395.9	6052.0	5747.9	5621.3
50°	5826.4	5760.3	5449.4	5116.4	5001.0
52.5°	5244.4	5109.5	4835.8	4494.6	4409.4
55°	4674.8	4458.9	4209.9	3904.5	3857.6
57.5°	4110.7	3831.5	3589.4	3361.0	3359.6
60°	3566.0	3246.8	2999.1	2879.4	2918.0
62.5°	3055.5	2728.1	2459.9	2468.1	2538.3
65°	2598.8	2268.6	1993.5	2132.4	2226.0
67.5°	2206.7	1891.6	1612.4	1871.1	1960.4
70°	1875.2	1590.4	1316.7	1639.9	1736.2
72.5°	1595.9	1356.5	1110.3	1447.3	1545.0
75°	1359.3	1165.2	972.6	1268.5	1372.9
77.5°	1166.7	994.7	872.3	1097.8	1206.5
80°	986.4	835.1	771.8	932.8	1026.3
82.5°	781.4	676.9	639.8	758.0	806.2
85°	555.9	513.1	466.4	550.3	561.3
87.5°	305.4	316.4	261.3	316.4	317.8
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)