

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: P730913

Luminaire Tested: **HBLED-LD5-30SE-W-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730913
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-L835
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: 27489.0 lumens
Efficiency: N/A
Efficacy: 144.7 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

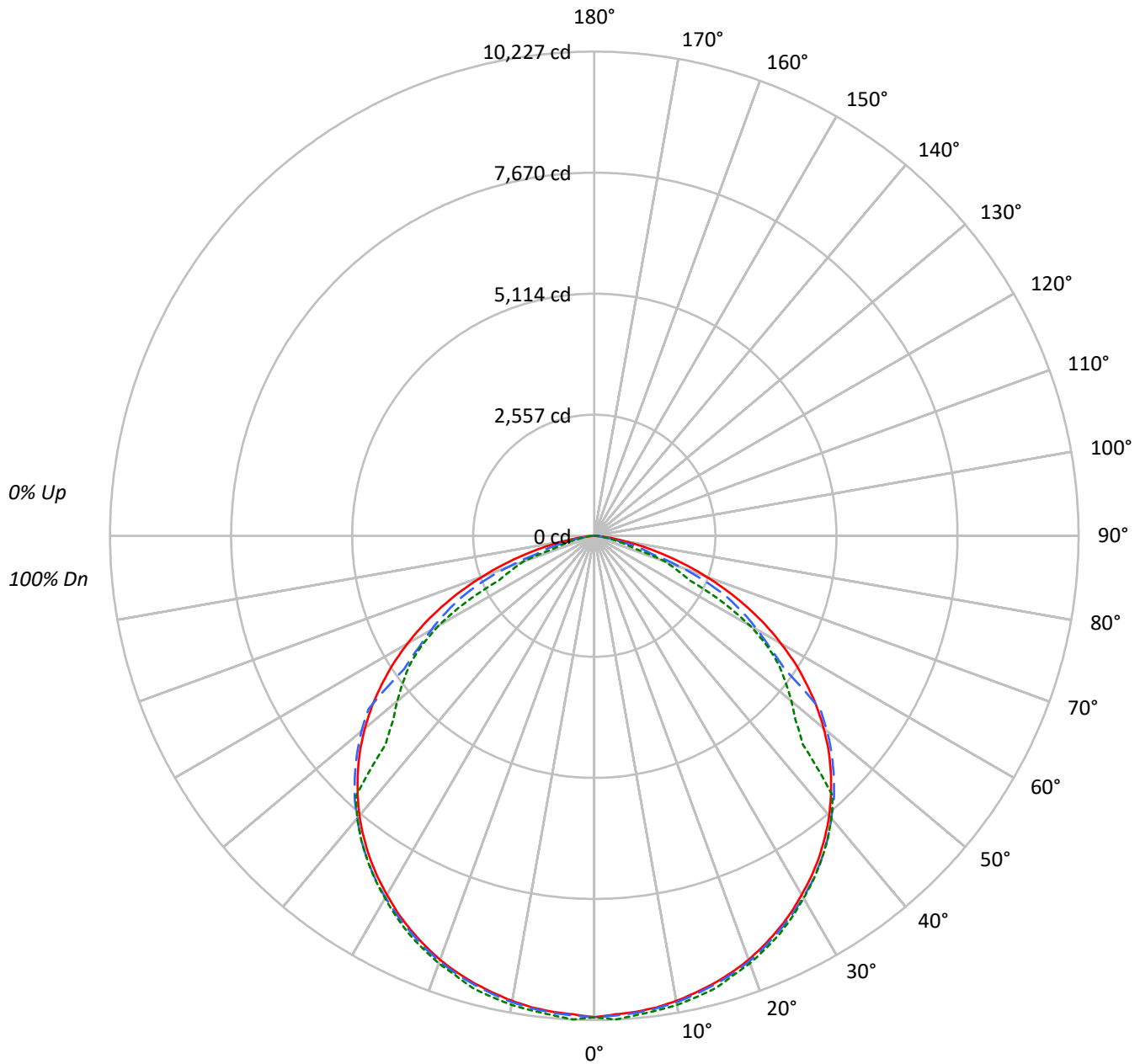
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16417	16417	16417
5°	16358	16394	16474
10°	16356	16403	16498
15°	16355	16404	16537
20°	16375	16437	16514
25°	16357	16418	16518
30°	16326	16446	16483
35°	16318	16467	16479
40°	16267	16411	16411
45°	16127	16323	14222
50°	15879	16118	13646
55°	15428	13797	13404
60°	14704	12825	12245
65°	13598	11905	8481
70°	11841	9264	7557
75°	9353	6217	4062
80°	6020	2970	2532
85°	2477	1814	1995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	964.5	3.5
10°-20°	2780.1	10.1
20°-30°	4262.3	15.5
30°-40°	5224.2	19.0
40°-50°	5370.8	19.5
50°-60°	4583.8	16.7
60°-70°	3030.4	11.0
70°-80°	1122.7	4.1
80°-90°	150.2	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°	8007.0	29.1
0°-40°	13231.1	48.1
0°-60°	23185.7	84.3
0°-90°	27489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10168	10168	10168	10168	10168	
5°	10093	10163	10115	10154	10164	960
15°	9784	9844	9814	9888	9893	2764
25°	9181	9230	9216	9299	9272	4233
35°	8279	8336	8354	8406	8361	5178
45°	7063	7134	7148	7137	6229	5443
55°	5481	5581	4901	4759	4762	4890
65°	3559	3589	3116	2563	2220	3510
75°	1499	1314	997	670	651	1608
85°	134	95	98	106	108	221
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10168.1	10168.1	10168.1	10168.1	10168.1
2.5°	10118.5	10181.7	10144.5	10191.5	10227.4
5°	10092.6	10163.1	10114.8	10154.4	10164.4
7.5°	10048.0	10113.6	10069.0	10121.0	10113.6
10°	9976.2	10035.6	10004.7	10059.2	10062.8
12.5°	9884.6	9943.9	9915.5	9982.3	9981.1
15°	9784.2	9843.7	9813.9	9888.3	9893.3
17.5°	9666.7	9721.2	9698.8	9767.0	9739.7
20°	9530.4	9577.5	9566.3	9630.8	9610.9
22.5°	9363.3	9411.6	9400.5	9474.8	9445.0
25°	9181.4	9229.7	9216.0	9299.0	9271.8
27.5°	8984.5	9030.2	9029.0	9107.1	9065.0
30°	8756.7	8817.4	8821.1	8890.4	8840.9
32.5°	8531.4	8588.3	8604.4	8655.2	8613.1
35°	8278.9	8335.7	8354.4	8406.4	8360.6
37.5°	8006.4	8054.7	8088.1	8126.5	8090.6
40°	7717.9	7761.3	7786.1	7833.1	7786.1
42.5°	7396.1	7458.0	7492.7	7526.1	7449.4
45°	7063.0	7133.6	7148.5	7137.3	6228.6
47.5°	6710.3	6787.0	6795.7	5926.6	5759.4
50°	6321.5	6418.1	6416.8	5477.1	5432.6
52.5°	5916.6	6009.5	6005.8	5125.5	5095.8
55°	5480.8	5581.1	4901.4	4759.1	4761.6
57.5°	5036.4	5108.1	4397.6	4403.7	4322.0
60°	4553.6	4621.6	3971.7	3933.3	3792.1
62.5°	4069.5	4098.0	3559.4	3372.4	3103.8
65°	3559.4	3589.1	3116.2	2562.8	2219.8
67.5°	3035.7	3065.4	2586.2	1906.6	1880.5
70°	2508.2	2265.6	1962.4	1588.5	1600.8
72.5°	1988.3	1740.7	1282.6	1230.6	888.9
75°	1499.3	1313.5	996.6	669.8	651.2
77.5°	1043.7	905.0	533.6	456.8	427.2
80°	647.5	454.4	319.4	283.5	272.3
82.5°	328.1	261.3	173.4	173.4	173.4
85°	133.7	95.4	97.9	106.4	107.7
87.5°	28.4	38.4	47.1	48.3	47.1
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)