

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: P730903

Luminaire Tested: **HBLED-LD5-30SE-W-A-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730903
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-L850
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: 28101.0 lumens
Efficiency: N/A
Efficacy: 147.9 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

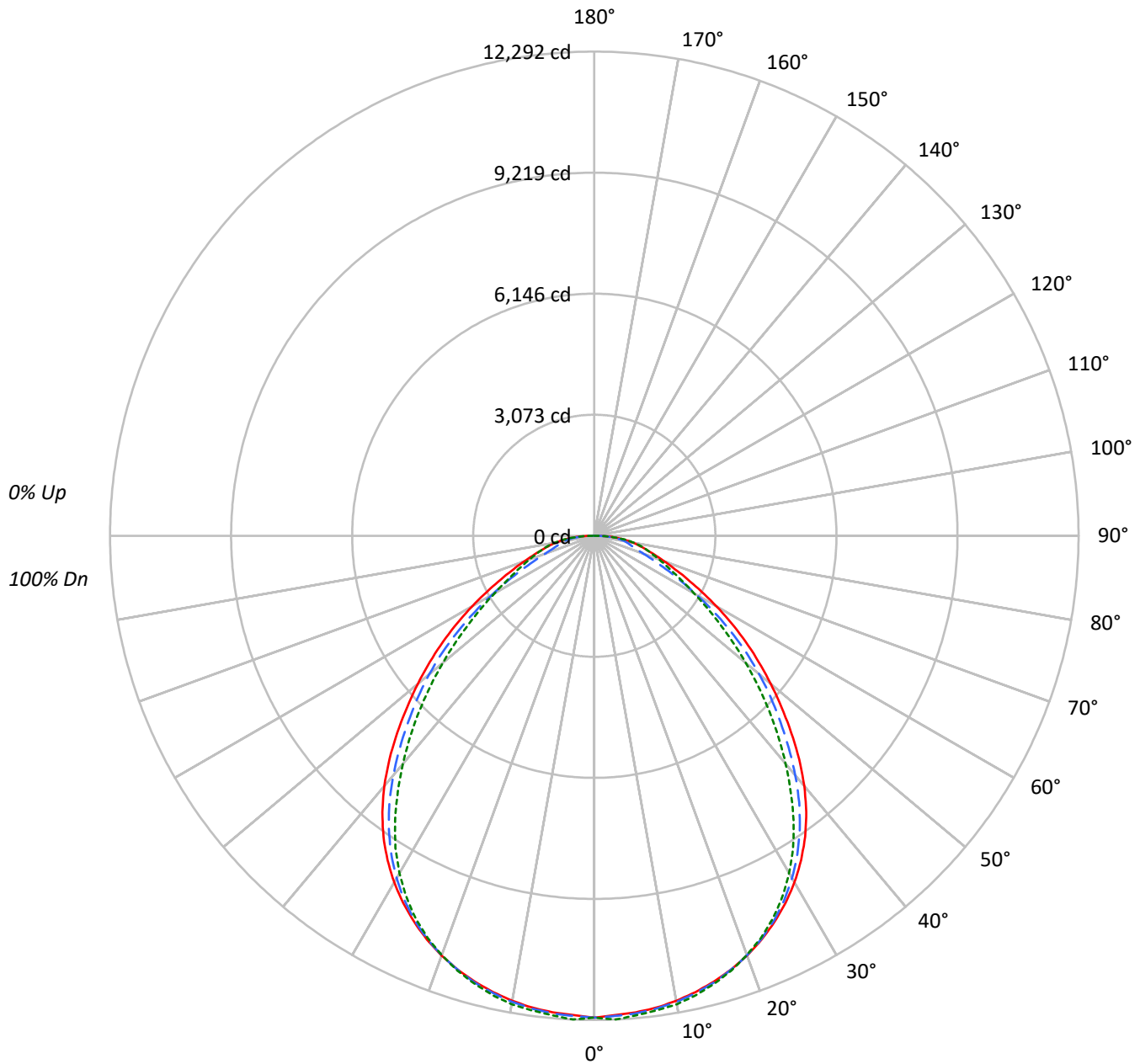
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19751	19751	19751
5°	19681	19726	19806
10°	19653	19698	19798
15°	19587	19627	19673
20°	19485	19471	19456
25°	19274	19207	19099
30°	18941	18712	18439
35°	18390	17928	17376
40°	17476	16725	15923
45°	16144	15243	14320
50°	14676	13726	12597
55°	13196	11884	10889
60°	11547	9712	9449
65°	9956	7637	8528
70°	8877	6233	8219
75°	8503	6084	8589
80°	9198	7197	9569
85°	10326	8664	10428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.4	4.1
10°-20°	3318.0	11.8
20°-30°	4963.5	17.7
30°-40°	5662.9	20.2
40°-50°	5154.8	18.3
50°-60°	3785.1	13.5
60°-70°	2235.0	8.0
70°-80°	1280.8	4.6
80°-90°	541.5	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°	9440.9	33.6
0°-40°	15103.8	53.7
0°-60°	24043.7	85.6
0°-90°	28101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12233	12233	12233	12233	12233	
5°	12143	12219	12171	12219	12220	###
15°	11718	11783	11742	11783	11769	3307
25°	10819	10857	10782	10777	10721	4980
35°	9330	9285	9096	8940	8816	5813
45°	7070	7029	6676	6376	6272	5449
55°	4688	4471	4222	3915	3868	4192
65°	2606	2275	1999	2138	2232	2622
75°	1363	1168	975	1272	1377	1469
85°	557	515	468	552	563	583
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12232.8	12232.8	12232.8	12232.8	12232.8
2.5°	12176.2	12246.6	12202.4	12250.7	12292.1
5°	12143.2	12219.1	12170.8	12219.1	12220.4
7.5°	12082.5	12152.8	12105.9	12158.4	12152.8
10°	11987.2	12057.6	12014.9	12071.5	12075.6
12.5°	11865.8	11933.4	11889.4	11954.2	11943.2
15°	11718.2	11783.0	11741.6	11783.0	11769.3
17.5°	11544.4	11603.8	11550.0	11595.5	11572.1
20°	11340.2	11389.9	11332.0	11374.7	11323.7
22.5°	11096.1	11140.2	11079.5	11102.9	11050.5
25°	10818.7	10857.3	10781.5	10777.4	10720.8
27.5°	10509.7	10530.5	10433.8	10400.7	10335.9
30°	10159.4	10164.8	10036.5	9974.5	9890.3
32.5°	9766.1	9752.4	9588.1	9495.8	9392.2
35°	9330.2	9284.7	9095.7	8939.8	8815.6
37.5°	8837.7	8766.0	8539.7	8309.3	8190.6
40°	8291.3	8207.2	7935.4	7649.8	7554.6
42.5°	7696.8	7625.1	7305.0	7006.9	6913.1
45°	7070.4	7029.0	6675.8	6376.5	6271.6
47.5°	6444.1	6413.7	6068.9	5763.9	5637.0
50°	5842.6	5776.3	5464.6	5130.7	5014.9
52.5°	5259.0	5123.7	4849.3	4507.1	4421.7
55°	4687.8	4471.3	4221.6	3915.3	3868.4
57.5°	4122.2	3842.1	3599.4	3370.3	3369.0
60°	3575.9	3255.8	3007.5	2887.4	2926.2
62.5°	3064.1	2735.7	2466.7	2475.0	2545.4
65°	2606.1	2274.9	1999.0	2138.4	2232.2
67.5°	2212.9	1896.9	1616.9	1876.3	1965.9
70°	1880.4	1594.8	1320.3	1644.4	1741.1
72.5°	1600.4	1360.3	1113.4	1451.3	1549.3
75°	1363.1	1168.5	975.3	1272.0	1376.8
77.5°	1169.9	997.4	874.7	1100.9	1209.9
80°	989.2	837.5	774.0	935.4	1029.1
82.5°	783.5	678.8	641.5	760.1	808.4
85°	557.4	514.6	467.7	551.8	562.9
87.5°	306.3	317.3	262.1	317.3	318.6
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)