

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: P730914

Luminaire Tested: **HBLED-LD5-30SE-W-CL-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730914
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-L840
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: 28281.0 lumens
Efficiency: N/A
Efficacy: 148.8 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

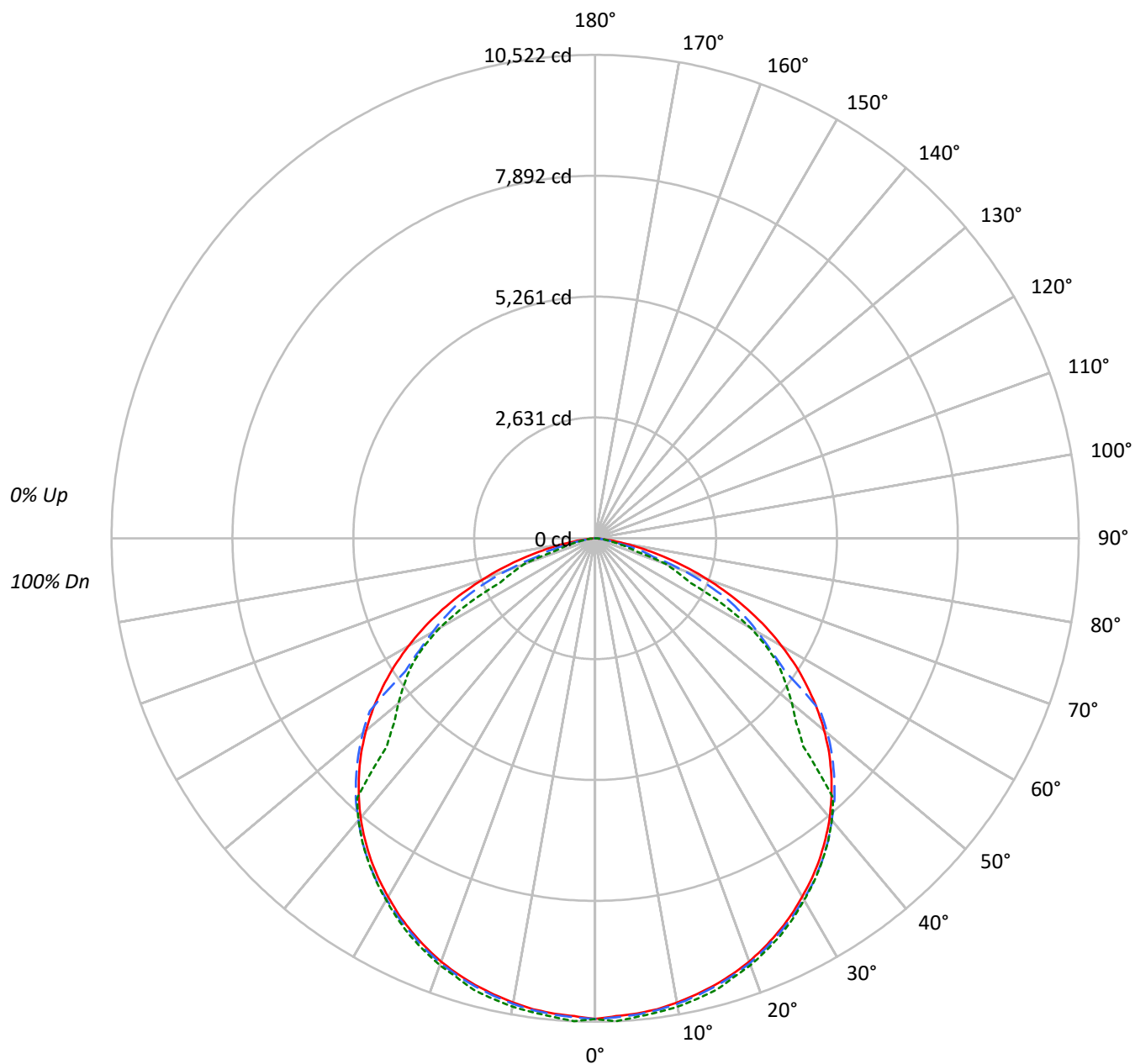
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16890	16890	16890
5°	16829	16866	16949
10°	16827	16875	16973
15°	16826	16877	17013
20°	16847	16910	16989
25°	16828	16891	16994
30°	16796	16920	16958
35°	16788	16941	16954
40°	16736	16884	16884
45°	16592	16793	14632
50°	16336	16582	14039
55°	15873	14195	13790
60°	15128	13195	12598
65°	13990	12248	8725
70°	12182	9531	7775
75°	9623	6397	4179
80°	6193	3055	2605
85°	2549	1865	2053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.3	3.5
10°-20°	2860.2	10.1
20°-30°	4385.1	15.5
30°-40°	5374.7	19.0
40°-50°	5525.6	19.5
50°-60°	4715.8	16.7
60°-70°	3117.7	11.0
70°-80°	1155.1	4.1
80°-90°	154.5	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°	8237.7	29.1
0°-40°	13612.3	48.1
0°-60°	23853.7	84.3
0°-90°	28281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10461	10461	10461	10461	10461	
5°	10383	10456	10406	10447	10457	988
15°	10066	10127	10097	10173	10178	2843
25°	9446	9496	9482	9567	9539	4355
35°	8517	8576	8595	8649	8601	5328
45°	7266	7339	7354	7343	6408	5600
55°	5639	5742	5043	4896	4899	5031
65°	3662	3692	3206	2637	2284	3611
75°	1542	1351	1025	689	670	1655
85°	138	98	101	110	111	228
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10461.0	10461.0	10461.0	10461.0	10461.0
2.5°	10410.1	10475.1	10436.8	10485.2	10522.1
5°	10383.4	10455.9	10406.2	10447.0	10457.2
7.5°	10337.5	10404.9	10359.1	10412.6	10404.9
10°	10263.7	10324.7	10292.9	10349.0	10352.7
12.5°	10169.4	10230.4	10201.2	10269.9	10268.6
15°	10066.1	10127.3	10096.7	10173.2	10178.3
17.5°	9945.2	10001.2	9978.2	10048.4	10020.3
20°	9805.0	9853.4	9841.9	9908.2	9887.8
22.5°	9633.1	9682.8	9671.4	9747.8	9717.1
25°	9445.9	9495.6	9481.5	9566.9	9538.9
27.5°	9243.4	9290.4	9289.1	9369.5	9326.2
30°	9009.0	9071.4	9075.3	9146.6	9095.6
32.5°	8777.2	8835.7	8852.4	8904.6	8861.3
35°	8517.4	8575.9	8595.1	8648.6	8601.4
37.5°	8237.1	8286.8	8321.1	8360.6	8323.7
40°	7940.3	7984.9	8010.5	8058.7	8010.5
42.5°	7609.2	7672.9	7708.6	7742.9	7664.0
45°	7266.5	7339.1	7354.4	7342.9	6408.0
47.5°	6903.6	6982.5	6991.5	6097.3	5925.4
50°	6503.6	6603.0	6601.7	5634.9	5589.1
52.5°	6087.1	6182.7	6178.8	5273.2	5242.7
55°	5638.7	5741.9	5042.6	4896.2	4898.7
57.5°	5181.5	5255.3	4524.3	4530.6	4446.5
60°	4684.8	4754.8	4086.1	4046.6	3901.4
62.5°	4186.8	4216.0	3661.9	3469.6	3193.2
65°	3661.9	3692.5	3206.0	2636.6	2283.7
67.5°	3123.2	3153.7	2660.7	1961.5	1934.7
70°	2580.5	2330.9	2018.9	1634.2	1646.9
72.5°	2045.6	1790.9	1319.6	1266.0	914.5
75°	1542.5	1351.4	1025.4	689.1	669.9
77.5°	1073.8	931.1	549.0	470.0	439.5
80°	666.1	467.5	328.6	291.7	280.2
82.5°	337.5	268.8	178.3	178.3	178.3
85°	137.6	98.1	100.7	109.5	110.8
87.5°	29.3	39.5	48.4	49.7	48.4
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)