

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: P730930

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26703)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-FLI-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29870.0 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

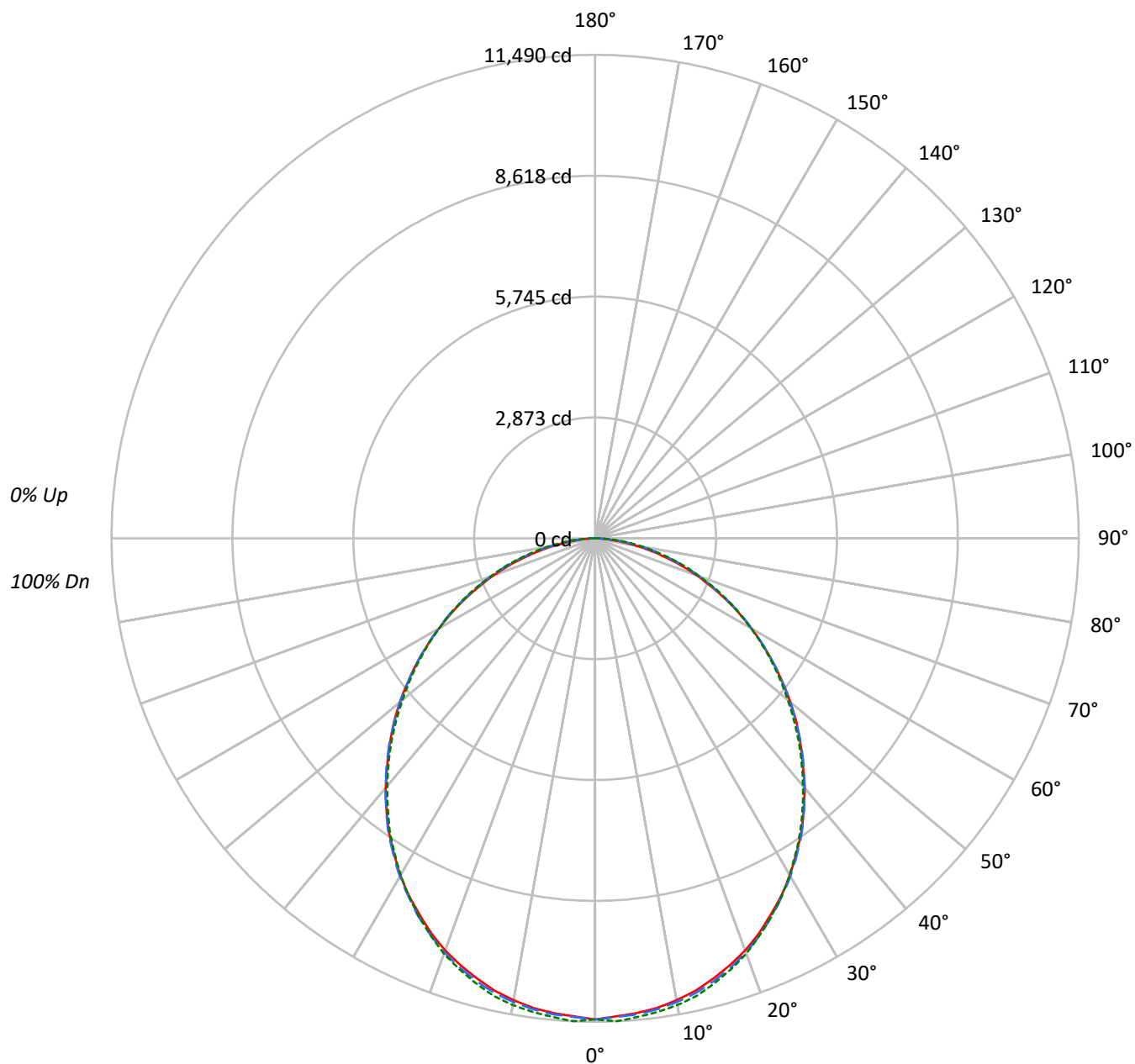
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51		
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18463	18463	18463
5°	18358	18410	18515
10°	18274	18348	18468
15°	18114	18212	18301
20°	17909	17995	18047
25°	17577	17677	17651
30°	17253	17299	17229
35°	16826	16869	16761
40°	16320	16320	16195
45°	15750	15793	15631
50°	15208	15183	14993
55°	14550	14552	14421
60°	13845	13862	13808
65°	13049	13180	13213
70°	12053	12382	12396
75°	10651	11341	11518
80°	8736	9932	10494
85°	6061	8340	9429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1081.5	3.6
10°-20°	3076.6	10.3
20°-30°	4572.0	15.3
30°-40°	5345.8	17.9
40°-50°	5329.9	17.8
50°-60°	4624.4	15.5
60°-70°	3415.7	11.4
70°-80°	1912.4	6.4
80°-90°	510.3	1.7
90°-100°	1.5	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°	8730.0	29.2
0°-40°	14075.8	47.1
0°-60°	24030.2	80.4
0°-90°	29868.5	100.0
90°-120°	1.5	0.0
90°-150°	1.5	0.0
90°-180°	2.0	0.0
0°-180°	29870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11435	11435	11435	11435	11435	
5°	11327	11398	11359	11409	11423	###
15°	10837	10912	10896	10948	10949	3056
25°	9866	9946	9923	9944	9908	4549
35°	8536	8611	8558	8557	8504	5332
45°	6898	6971	6916	6888	6846	5325
55°	5169	5204	5170	5161	5123	4622
65°	3416	3449	3450	3467	3458	3378
75°	1707	1758	1818	1831	1846	1818
85°	327	396	450	490	509	397
90°	0	7	9	20	18	13
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11435.1	11435.1	11435.1	11435.1	11435.1
2.5°	11372.6	11440.3	11392.9	11438.0	11490.4
5°	11326.7	11398.1	11358.7	11408.9	11423.4
7.5°	11259.9	11329.0	11291.1	11341.3	11356.6
10°	11146.4	11221.3	11191.5	11248.3	11264.2
12.5°	11014.1	11084.6	11064.9	11131.1	11142.0
15°	10836.6	10912.3	10895.5	10947.9	10948.6
17.5°	10640.3	10711.5	10699.1	10739.9	10738.4
20°	10422.9	10499.2	10473.1	10517.4	10503.5
22.5°	10165.5	10246.9	10214.1	10251.2	10216.3
25°	9866.5	9945.8	9922.6	9944.3	9908.0
27.5°	9577.1	9649.9	9601.8	9628.0	9589.4
30°	9254.2	9316.0	9279.0	9287.7	9241.2
32.5°	8891.4	8964.8	8919.7	8918.3	8868.8
35°	8536.5	8611.3	8558.4	8556.8	8503.8
37.5°	8143.8	8213.6	8151.1	8154.7	8092.9
40°	7743.1	7803.5	7743.1	7740.2	7683.6
42.5°	7308.2	7388.3	7333.0	7339.5	7263.9
45°	6897.5	6970.9	6916.4	6887.9	6845.7
47.5°	6488.1	6520.0	6474.9	6467.6	6408.1
50°	6054.6	6078.6	6044.4	6035.7	5968.8
52.5°	5606.7	5648.2	5604.4	5592.8	5548.5
55°	5168.9	5204.4	5169.6	5160.9	5123.0
57.5°	4728.2	4774.8	4739.2	4730.3	4699.9
60°	4287.6	4301.3	4292.6	4305.7	4276.0
62.5°	3849.8	3881.7	3892.0	3888.3	3865.0
65°	3415.6	3449.1	3449.8	3467.3	3458.5
67.5°	2971.3	3014.9	3027.4	3045.4	3053.4
70°	2553.1	2586.6	2623.0	2633.8	2625.8
72.5°	2132.1	2185.9	2226.7	2236.1	2270.3
75°	1707.4	1758.3	1818.0	1831.1	1846.3
77.5°	1313.3	1380.9	1434.7	1452.2	1471.1
80°	939.6	1014.4	1068.2	1092.2	1128.6
82.5°	616.7	693.0	747.6	771.5	816.0
85°	327.2	395.6	450.2	490.1	509.0
87.5°	96.7	154.9	186.1	197.8	214.6
90°	0.0	7.3	8.7	19.6	18.2
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



(END OF REPORT)