

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: P730936

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33637.0 lumens
Efficiency: N/A
Efficacy: 177.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

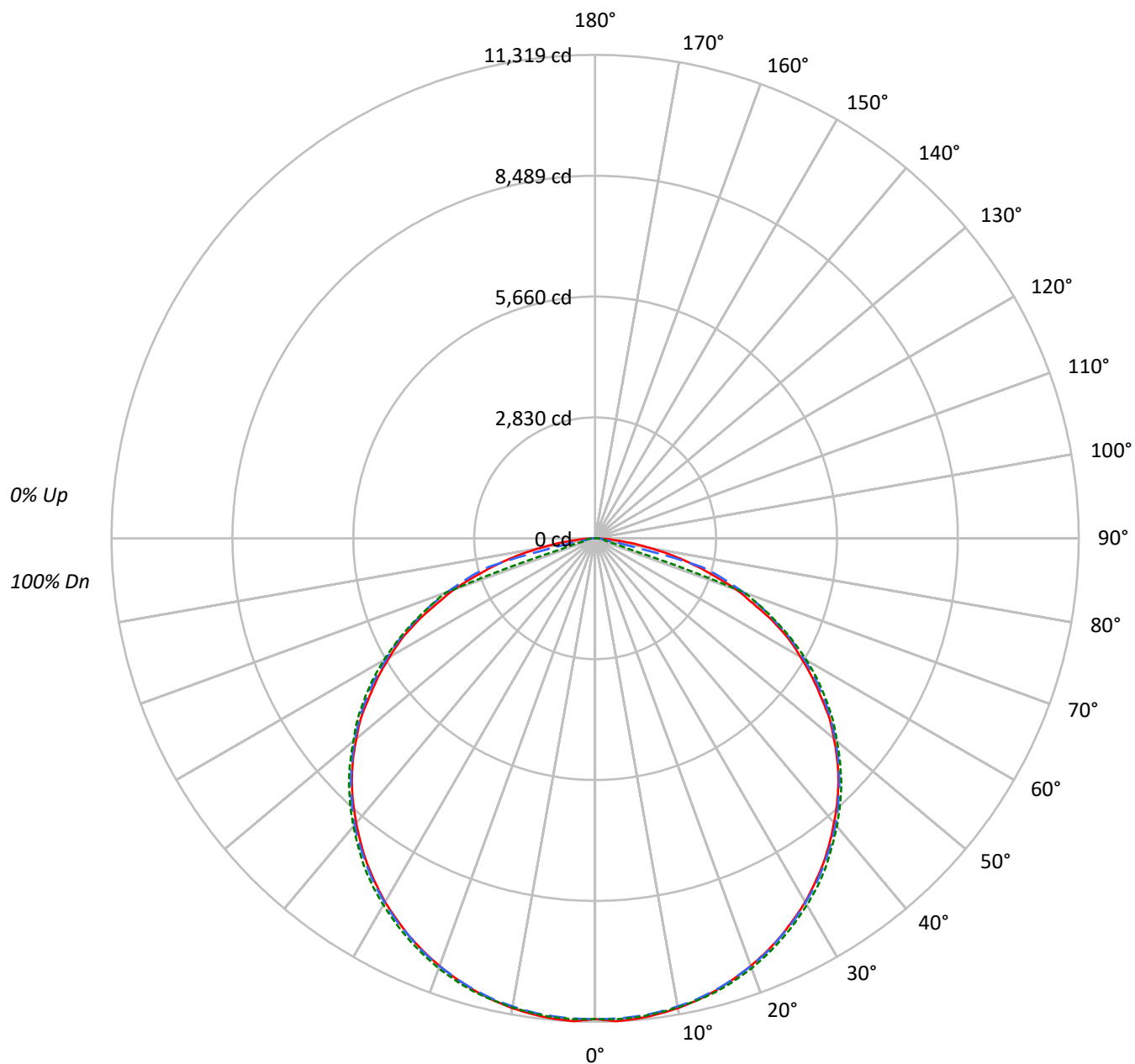
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18174	18174	18174
5°	18304	18210	18243
10°	18314	18248	18285
15°	18312	18287	18370
20°	18310	18315	18409
25°	18319	18328	18440
30°	18339	18363	18484
35°	18336	18395	18548
40°	18339	18455	18555
45°	18390	18459	18608
50°	18335	18442	18561
55°	18133	18387	18585
60°	17927	18218	18445
65°	17530	17895	18029
70°	16643	17353	17566
75°	14845	16096	1939
80°	11937	2005	2122
85°	7944	2601	2647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1069.1	3.2
10°-20°	3089.1	9.2
20°-30°	4746.2	14.1
30°-40°	5842.7	17.4
40°-50°	6228.9	18.5
50°-60°	5822.8	17.3
60°-70°	4609.4	13.7
70°-80°	1961.1	5.8
80°-90°	267.8	0.8
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°	8904.3	26.5
0°-40°	14747.0	43.8
0°-60°	26798.6	79.7
0°-90°	33637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11256	11256	11256	11256	11256	
5°	11294	11243	11236	11191	11256	###
15°	10955	10935	10940	10910	10990	3093
25°	10283	10270	10288	10283	10351	4741
35°	9303	9288	9333	9365	9410	5821
45°	8054	8009	8084	8117	8149	6206
55°	6442	6462	6532	6554	6602	5768
65°	4589	4629	4684	4719	4719	4514
75°	2380	2482	2580	421	311	2517
85°	429	128	140	145	143	559
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11255.9	11255.9	11255.9	11255.9	11255.9
2.5°	11318.6	11265.9	11255.9	11210.8	11270.9
5°	11293.5	11243.4	11235.8	11190.7	11255.9
7.5°	11240.9	11200.7	11195.7	11148.1	11213.3
10°	11170.6	11133.0	11130.5	11087.9	11153.1
12.5°	11075.4	11042.8	11052.8	11010.2	11075.4
15°	10955.0	10934.9	10940.0	10909.9	10990.1
17.5°	10809.6	10799.5	10809.6	10787.0	10859.7
20°	10656.6	10644.1	10659.1	10646.6	10714.3
22.5°	10478.6	10463.6	10493.6	10476.1	10538.8
25°	10283.0	10270.5	10288.0	10283.0	10350.7
27.5°	10059.9	10047.3	10084.9	10087.4	10140.1
30°	9836.7	9819.1	9849.2	9861.8	9914.4
32.5°	9570.9	9565.9	9611.0	9621.1	9676.2
35°	9302.6	9287.6	9332.7	9365.3	9410.4
37.5°	9009.2	9006.7	9054.4	9082.0	9104.5
40°	8700.8	8688.3	8756.0	8783.6	8803.6
42.5°	8387.4	8359.8	8425.0	8460.1	8482.7
45°	8053.9	8008.8	8084.0	8116.6	8149.2
47.5°	7687.8	7647.7	7720.4	7755.5	7778.1
50°	7299.2	7261.5	7341.8	7371.9	7389.4
52.5°	6908.0	6870.4	6955.6	6980.7	7023.3
55°	6441.6	6461.7	6531.9	6554.5	6602.1
57.5°	6010.3	6027.9	6095.6	6123.2	6178.3
60°	5551.5	5579.1	5641.7	5669.3	5712.0
62.5°	5107.7	5110.2	5185.4	5197.9	5230.5
65°	4588.6	4628.7	4683.9	4719.0	4719.0
67.5°	4009.4	4107.2	4202.5	4194.9	4215.0
70°	3525.5	3563.1	3675.9	3693.5	3721.0
72.5°	2918.7	3016.5	3141.8	2347.0	797.4
75°	2379.6	2482.4	2580.2	421.3	310.9
77.5°	1848.0	1928.2	857.5	240.7	235.7
80°	1283.8	1411.7	215.6	220.7	228.2
82.5°	845.0	689.5	178.0	195.6	198.1
85°	428.8	127.9	140.4	145.4	142.9
87.5°	140.4	77.7	80.2	82.7	85.3
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)