

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: P730899

Luminaire Tested: **HBLED-LD5-30SE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730899
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-L740
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: 28873.0 lumens
Efficiency: N/A
Efficacy: 152.0 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

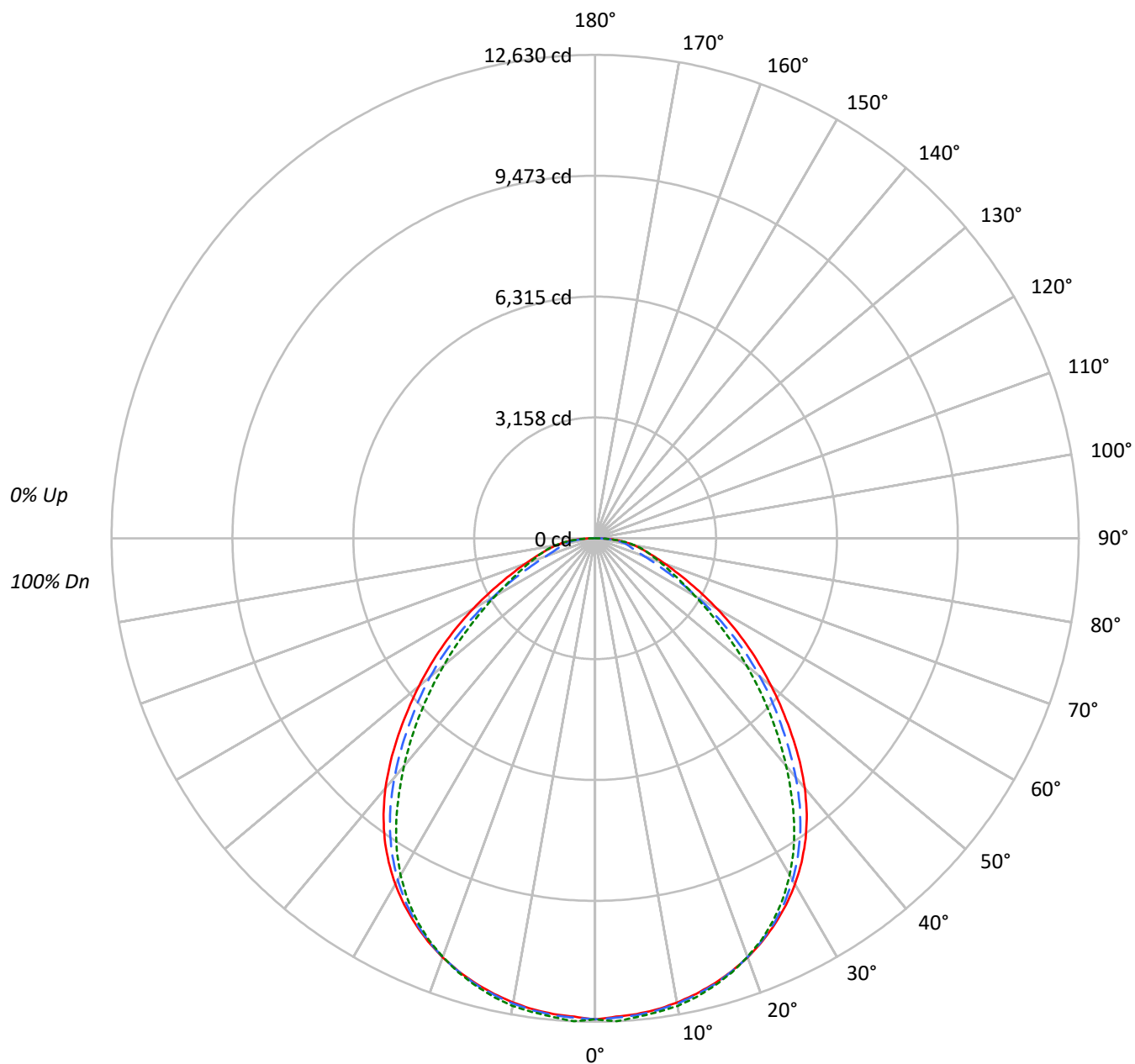
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20293	20293	20293
5°	20222	20268	20350
10°	20193	20240	20342
15°	20126	20166	20213
20°	20020	20006	19991
25°	19803	19735	19624
30°	19461	19226	18946
35°	18895	18420	17853
40°	17956	17185	16360
45°	16588	15662	14714
50°	15079	14103	12943
55°	13558	12210	11188
60°	11865	9978	9709
65°	10230	7847	8762
70°	9121	6404	8445
75°	8737	6251	8825
80°	9451	7394	9832
85°	10609	8903	10713



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1191.2	4.1
10°-20°	3409.2	11.8
20°-30°	5099.8	17.7
30°-40°	5818.5	20.2
40°-50°	5296.4	18.3
50°-60°	3889.1	13.5
60°-70°	2296.4	8.0
70°-80°	1316.0	4.6
80°-90°	556.4	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°	9700.2	33.6
0°-40°	15518.7	53.7
0°-60°	24704.2	85.6
0°-90°	28873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12569	12569	12569	12569	12569	
5°	12477	12555	12505	12555	12556	###
15°	12040	12107	12064	12107	12093	3398
25°	11116	11156	11078	11073	11015	5117
35°	9586	9540	9346	9185	9058	5973
45°	7265	7222	6859	6552	6444	5599
55°	4817	4594	4338	4023	3975	4307
65°	2678	2337	2054	2197	2294	2695
75°	1400	1201	1002	1307	1415	1510
85°	573	529	481	567	578	599
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12568.8	12568.8	12568.8	12568.8	12568.8
2.5°	12510.7	12583.1	12537.7	12587.3	12629.8
5°	12476.8	12554.8	12505.1	12554.8	12556.1
7.5°	12414.4	12486.7	12438.5	12492.4	12486.7
10°	12316.5	12388.9	12345.0	12403.1	12407.3
12.5°	12191.8	12261.3	12216.0	12282.6	12271.3
15°	12040.1	12106.7	12064.2	12106.7	12092.7
17.5°	11861.5	11922.5	11867.3	11914.1	11890.0
20°	11651.8	11702.8	11643.3	11687.2	11634.8
22.5°	11401.0	11446.2	11383.9	11407.9	11354.1
25°	11116.0	11155.6	11077.7	11073.4	11015.3
27.5°	10798.4	10819.8	10720.5	10686.4	10619.8
30°	10438.5	10444.1	10312.3	10248.5	10162.0
32.5°	10034.4	10020.3	9851.5	9756.6	9650.2
35°	9586.5	9539.7	9345.5	9185.4	9057.8
37.5°	9080.5	9006.8	8774.3	8537.6	8415.6
40°	8519.1	8432.7	8153.4	7860.0	7762.2
42.5°	7908.2	7834.5	7505.6	7199.4	7103.0
45°	7264.7	7222.1	6859.2	6551.6	6443.9
47.5°	6621.1	6589.9	6235.6	5922.3	5791.8
50°	6003.1	5935.0	5614.7	5271.6	5152.6
52.5°	5403.4	5264.5	4982.5	4630.9	4543.1
55°	4816.6	4594.1	4337.6	4022.9	3974.6
57.5°	4235.4	3947.7	3698.3	3462.9	3461.5
60°	3674.2	3345.3	3090.1	2966.8	3006.6
62.5°	3148.2	2810.9	2534.5	2543.0	2615.3
65°	2677.7	2337.4	2053.9	2197.1	2293.5
67.5°	2273.7	1949.0	1661.3	1927.8	2019.9
70°	1932.1	1638.6	1356.6	1689.6	1788.9
72.5°	1644.3	1397.6	1144.0	1491.2	1591.8
75°	1400.5	1200.6	1002.1	1307.0	1414.6
77.5°	1202.1	1024.8	898.8	1131.1	1243.1
80°	1016.4	860.5	795.2	961.1	1057.4
82.5°	805.1	697.4	659.2	781.0	830.6
85°	572.7	528.7	480.6	567.0	578.3
87.5°	314.7	326.0	269.3	326.0	327.4
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)