

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: P730918

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
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-WG-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29836.0 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

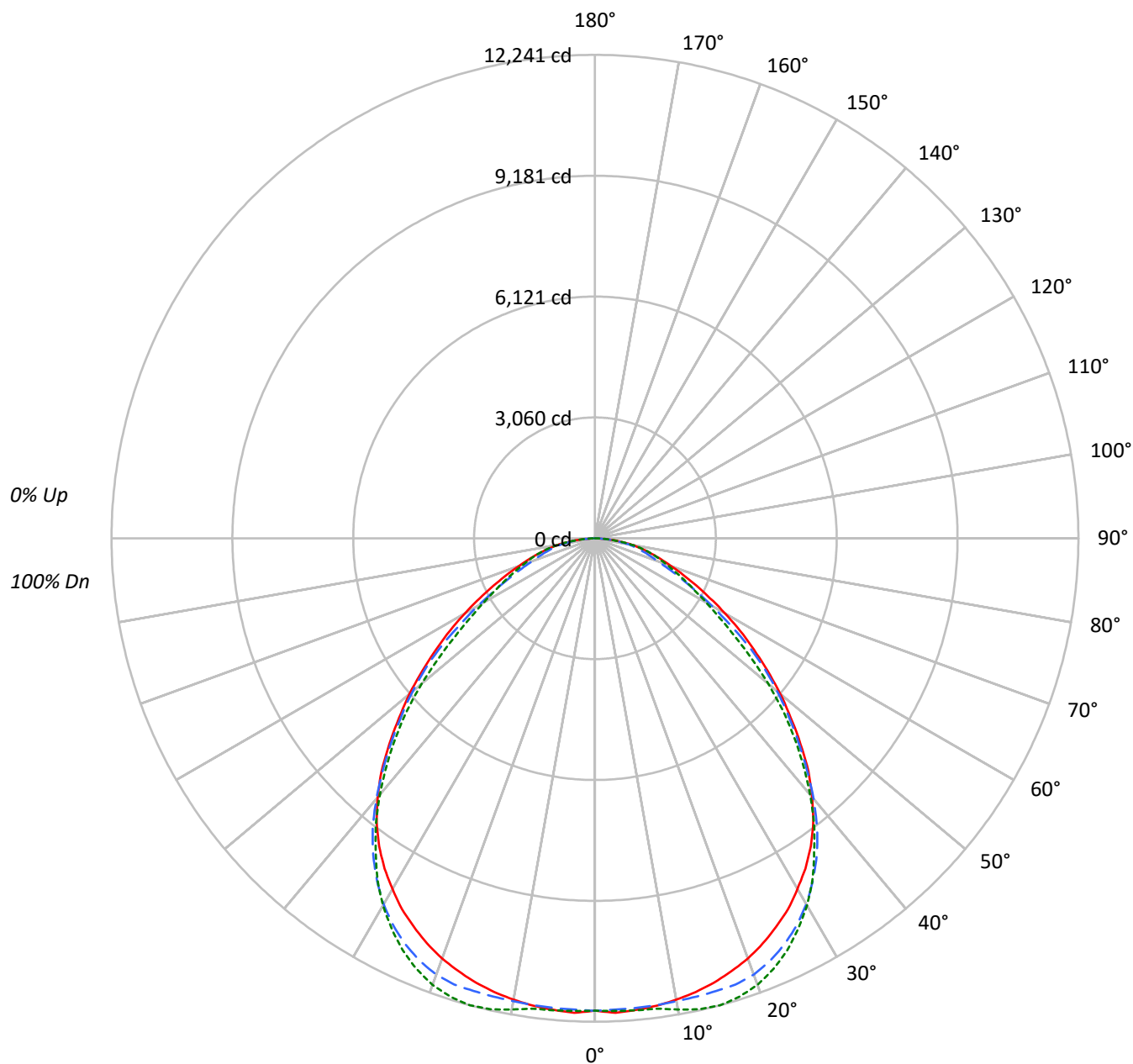
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19316	19316	19316
5°	19430	19350	19445
10°	19447	19513	19862
15°	19471	19837	20462
20°	19458	20200	20672
25°	19339	20219	20516
30°	19117	19951	20014
35°	18775	19305	19073
40°	18035	18146	17859
45°	16804	16628	16290
50°	15386	15138	14363
55°	13820	13307	12143
60°	12256	11011	10482
65°	10799	9148	9513
70°	9658	7939	9061
75°	9047	7719	9163
80°	8808	7804	8722
85°	7030	6174	6402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1139.6	3.8
10°-20°	3356.9	11.3
20°-30°	5164.1	17.3
30°-40°	6026.8	20.2
40°-50°	5600.5	18.8
50°-60°	4151.3	13.9
60°-70°	2537.8	8.5
70°-80°	1445.5	4.8
80°-90°	413.4	1.4
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°	9660.6	32.4
0°-40°	15687.5	52.6
0°-60°	25439.3	85.3
0°-90°	29836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11963	11963	11963	11963	11963	
5°	11988	11932	11939	11930	11997	###
15°	11649	11642	11868	12102	12241	3288
25°	10856	10939	11349	11445	11516	5001
35°	9526	9600	9794	9714	9677	5935
45°	7359	7403	7282	7168	7134	5671
55°	4909	4786	4727	4391	4314	4406
65°	2827	2567	2395	2459	2490	2829
75°	1450	1361	1237	1410	1469	1552
85°	380	370	333	346	346	438
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11963.4	11963.4	11963.4	11963.4	11963.4
2.5°	12028.2	11960.3	11947.9	11920.2	11981.8
5°	11988.1	11932.5	11938.6	11929.5	11997.4
7.5°	11941.8	11901.7	11926.3	11923.2	12012.8
10°	11861.6	11839.9	11901.7	11969.6	12114.6
12.5°	11772.0	11750.5	11886.3	12059.0	12216.4
15°	11648.7	11642.4	11867.7	12102.2	12241.1
17.5°	11494.4	11503.6	11846.1	12046.7	12170.1
20°	11324.6	11340.0	11756.6	11920.2	12031.3
22.5°	11105.6	11158.1	11583.8	11719.6	11806.0
25°	10855.6	10938.9	11349.3	11445.0	11515.9
27.5°	10587.2	10670.4	11059.2	11108.6	11148.8
30°	10253.9	10371.1	10701.3	10707.5	10735.2
32.5°	9914.4	10019.4	10272.4	10244.6	10250.7
35°	9525.6	9599.7	9794.1	9713.9	9676.8
37.5°	9078.3	9118.3	9241.7	9121.5	9115.2
40°	8556.7	8609.2	8609.2	8442.6	8473.4
42.5°	8001.3	8019.7	7942.7	7785.3	7809.9
45°	7359.4	7402.6	7282.3	7168.2	7134.2
47.5°	6723.8	6767.0	6640.5	6507.8	6449.2
50°	6125.2	6103.5	6026.5	5801.2	5717.9
52.5°	5504.9	5437.1	5406.2	5076.1	4980.4
55°	4909.4	4786.0	4727.4	4390.9	4313.8
57.5°	4357.0	4134.9	4023.8	3761.6	3730.6
60°	3795.5	3545.5	3409.7	3240.0	3246.1
62.5°	3286.4	3023.9	2860.5	2811.2	2832.7
65°	2826.6	2567.3	2394.6	2459.3	2490.1
67.5°	2410.0	2197.0	2002.7	2153.8	2184.6
70°	2045.9	1876.1	1681.8	1904.0	1919.4
72.5°	1743.4	1604.6	1441.0	1650.8	1684.8
75°	1450.3	1360.9	1237.4	1410.2	1468.8
77.5°	1194.1	1123.3	1052.2	1157.2	1222.0
80°	947.3	876.4	839.3	894.8	938.0
82.5°	669.6	623.4	586.3	626.4	648.1
85°	379.5	370.2	333.3	345.6	345.6
87.5°	86.4	98.7	111.1	101.8	86.4
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)