

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: P730876

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-CL-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30341.0 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

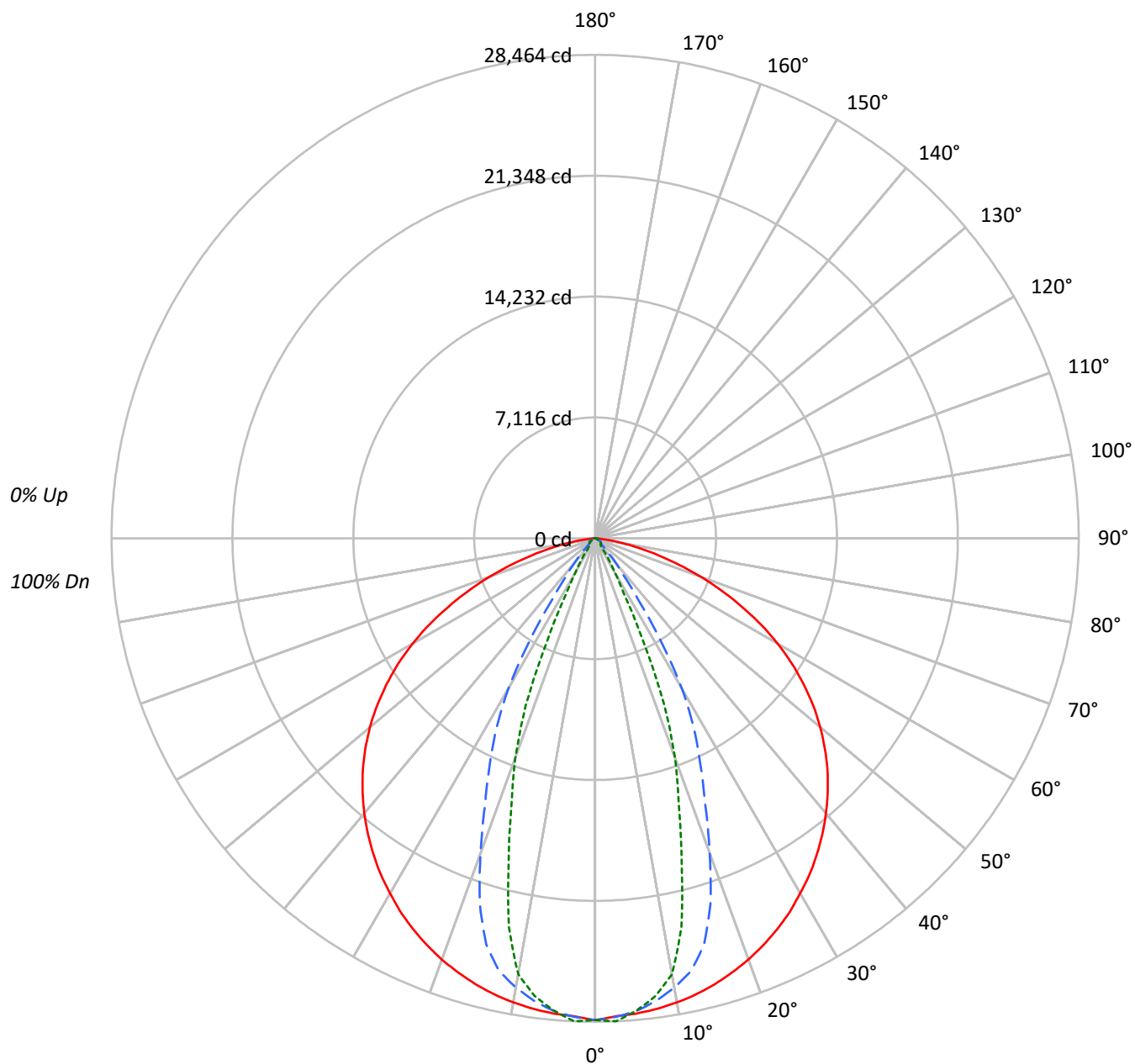
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45805	45805	45805
5°	45524	45286	45253
10°	45493	44034	42735
15°	45441	41408	32859
20°	45353	33886	23569
25°	45210	26108	11977
30°	44996	19054	4358
35°	44836	8750	1517
40°	44560	3972	1046
45°	44164	1482	1061
50°	43459	1076	1116
55°	42173	1132	850
60°	40077	1209	750
65°	36344	921	610
70°	31162	665	562
75°	23818	589	535
80°	14903	553	581
85°	4707	647	782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2641.2	8.7
10°-20°	6653.4	21.9
20°-30°	7245.8	23.9
30°-40°	5420.3	17.9
40°-50°	3897.3	12.8
50°-60°	2393.5	7.9
60°-70°	1377.3	4.5
70°-80°	614.7	2.0
80°-90°	97.5	0.3
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°	16540.4	54.5
0°-40°	21960.7	72.4
0°-60°	28251.5	93.1
0°-90°	30341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28370	28370	28370	28370	28370	
5°	28088	28220	27941	27967	27921	###
15°	27185	26664	24772	21275	19658	7674
25°	25378	23557	14655	9403	6723	11698
35°	22747	16314	4439	1305	769	14229
45°	19341	9166	649	481	465	14900
55°	14982	1905	402	389	302	13357
65°	9513	209	241	200	160	9417
75°	3818	126	94	97	86	4143
85°	254	25	35	45	42	506
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28369.6	28369.6	28369.6	28369.6	28369.6
2.5°	28172.2	28356.5	28201.2	28340.6	28464.0
5°	28088.0	28220.1	27941.4	27967.4	27921.1
7.5°	27942.8	27974.7	27471.0	27276.5	27182.1
10°	27748.2	27662.7	26858.4	26395.3	26065.8
12.5°	27503.0	27219.9	26096.2	24442.7	23457.1
15°	27185.0	26663.8	24772.3	21275.1	19657.8
17.5°	26806.2	26083.1	22580.1	17731.3	16331.9
20°	26395.3	25441.5	19721.6	15076.2	13717.3
22.5°	25910.4	24621.3	16902.4	12538.5	10673.1
25°	25377.6	23557.2	14655.2	9402.9	6723.0
27.5°	24802.8	22153.3	12574.8	5766.2	3635.1
30°	24135.0	20444.7	10220.2	3235.9	2337.3
32.5°	23483.1	18452.9	7300.8	2155.7	1493.8
35°	22747.1	16314.5	4439.4	1305.1	769.4
37.5°	21967.5	14370.6	2778.6	709.9	531.3
40°	21141.5	12526.9	1884.3	503.8	496.5
42.5°	20258.8	10858.9	1180.2	479.0	495.0
45°	19341.4	9166.2	648.9	480.6	464.6
47.5°	18345.5	7328.4	453.0	454.4	453.0
50°	17301.7	5256.7	428.3	448.6	444.3
52.5°	16176.6	3263.5	429.7	438.4	393.4
55°	14981.8	1904.6	402.1	389.1	302.0
57.5°	13726.0	1187.5	393.4	320.9	271.4
60°	12410.8	627.2	374.5	289.0	232.2
62.5°	11009.8	309.3	300.4	246.8	190.2
65°	9513.1	209.1	241.1	200.3	159.7
67.5°	8067.2	188.7	181.5	164.0	139.4
70°	6601.0	172.7	140.8	143.7	119.1
72.5°	5162.4	156.7	113.2	123.4	100.1
75°	3818.0	126.3	94.4	97.2	85.7
77.5°	2656.6	98.7	74.1	82.8	79.8
80°	1602.8	62.5	59.5	68.2	62.5
82.5°	776.7	40.6	46.5	53.6	49.3
85°	254.1	24.7	34.9	45.0	42.2
87.5°	31.9	14.6	29.0	39.2	36.3
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)