

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: P730919

Luminaire Tested: **HBLED-LD5-30SE-W-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730919
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-L835
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: 27032.0 lumens
Efficiency: N/A
Efficacy: 142.3 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

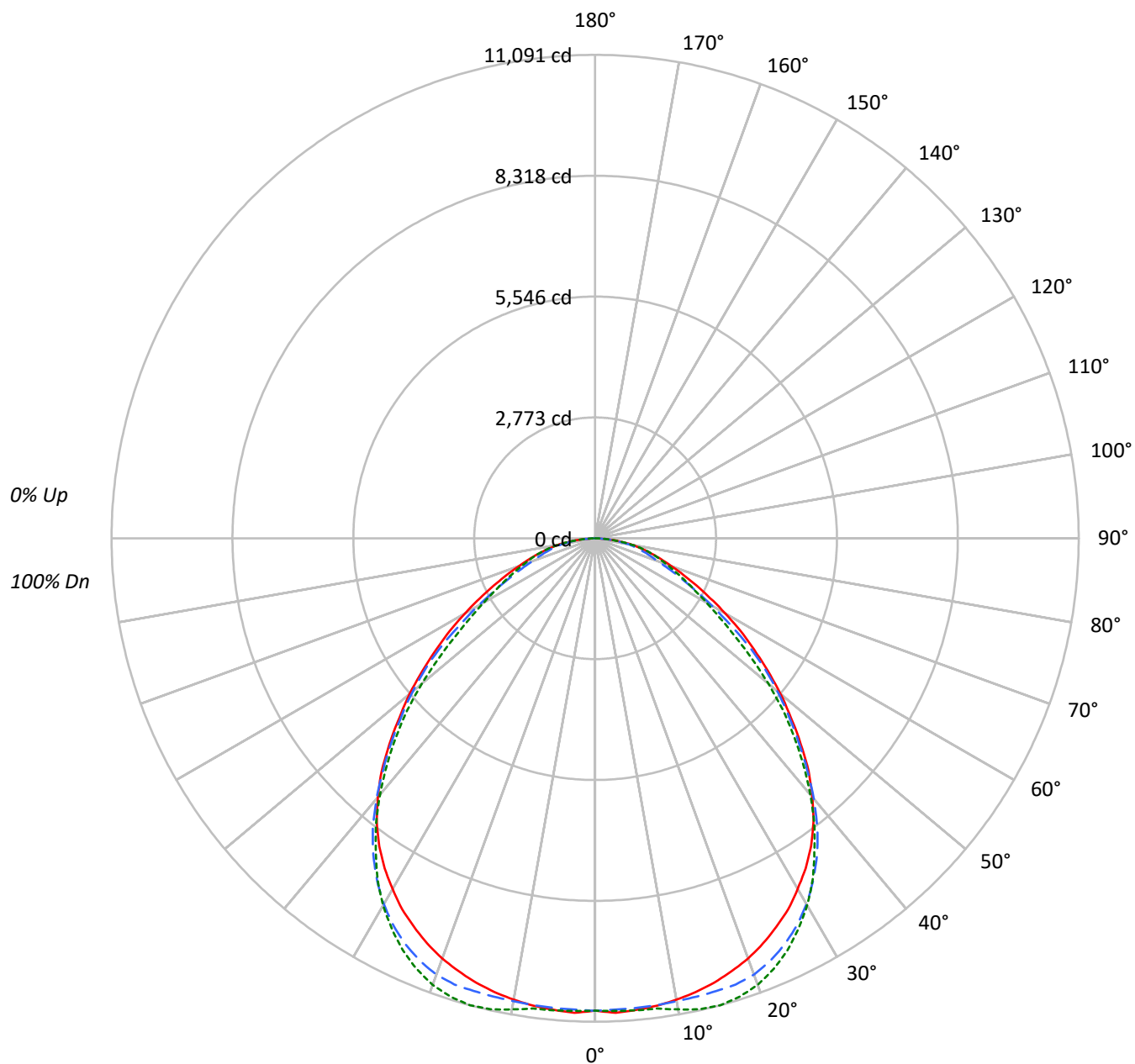
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17501	17501	17501
5°	17604	17531	17617
10°	17619	17679	17995
15°	17641	17973	18539
20°	17629	18302	18729
25°	17522	18319	18587
30°	17320	18076	18133
35°	17011	17490	17281
40°	16340	16440	16181
45°	15225	15065	14759
50°	13940	13715	13013
55°	12521	12057	11002
60°	11104	9976	9497
65°	9784	8288	8619
70°	8750	7193	8209
75°	8197	6994	8302
80°	7981	7070	7902
85°	6369	5595	5800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.5	3.8
10°-20°	3041.4	11.3
20°-30°	4678.8	17.3
30°-40°	5460.4	20.2
40°-50°	5074.2	18.8
50°-60°	3761.2	13.9
60°-70°	2299.3	8.5
70°-80°	1309.7	4.8
80°-90°	374.6	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°	8752.7	32.4
0°-40°	14213.1	52.6
0°-60°	23048.5	85.3
0°-90°	27032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10839	10839	10839	10839	10839	
5°	10862	10811	10817	10808	10870	###
15°	10554	10548	10752	10965	11091	2979
25°	9835	9911	10283	10369	10434	4531
35°	8630	8698	8874	8801	8767	5377
45°	6668	6707	6598	6494	6464	5138
55°	4448	4336	4283	3978	3908	3992
65°	2561	2326	2170	2228	2256	2563
75°	1314	1233	1121	1278	1331	1406
85°	344	335	302	313	313	396
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10839.1	10839.1	10839.1	10839.1	10839.1
2.5°	10897.8	10836.3	10825.0	10799.9	10855.8
5°	10861.5	10811.1	10816.6	10808.3	10869.9
7.5°	10819.5	10783.2	10805.5	10802.7	10883.8
10°	10746.8	10727.2	10783.2	10844.7	10976.1
12.5°	10665.7	10646.2	10769.2	10925.7	11068.3
15°	10553.9	10548.2	10752.4	10964.8	11090.7
17.5°	10414.1	10422.5	10732.8	10914.6	11026.3
20°	10260.3	10274.3	10651.7	10799.9	10900.6
22.5°	10061.9	10109.4	10495.1	10618.1	10696.4
25°	9835.4	9910.8	10282.7	10369.4	10433.6
27.5°	9592.2	9667.6	10019.9	10064.6	10101.0
30°	9290.2	9396.4	9695.5	9701.2	9726.3
32.5°	8982.7	9077.8	9307.0	9281.8	9287.4
35°	8630.4	8697.5	8873.6	8801.0	8767.4
37.5°	8225.1	8261.4	8373.2	8264.2	8258.5
40°	7752.5	7800.1	7800.1	7649.2	7677.1
42.5°	7249.4	7266.0	7196.3	7053.6	7076.0
45°	6667.8	6706.9	6597.9	6494.5	6463.7
47.5°	6091.9	6131.0	6016.4	5896.2	5843.1
50°	5549.5	5529.9	5460.1	5256.0	5180.5
52.5°	4987.6	4926.1	4898.2	4599.0	4512.3
55°	4448.0	4336.2	4283.1	3978.3	3908.4
57.5°	3947.5	3746.3	3645.7	3408.1	3380.0
60°	3438.8	3212.3	3089.3	2935.5	2941.1
62.5°	2977.5	2739.8	2591.7	2547.0	2566.5
65°	2560.9	2326.0	2169.5	2228.2	2256.1
67.5°	2183.5	1990.6	1814.4	1951.4	1979.3
70°	1853.6	1699.8	1523.7	1725.0	1739.0
72.5°	1579.5	1453.8	1305.6	1495.7	1526.4
75°	1314.0	1233.0	1121.1	1277.7	1330.8
77.5°	1081.9	1017.7	953.4	1048.5	1107.1
80°	858.3	794.0	760.4	810.7	849.9
82.5°	606.7	564.8	531.2	567.5	587.2
85°	343.8	335.4	302.0	313.1	313.1
87.5°	78.3	89.4	100.7	92.3	78.3
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)