

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: P730892

Luminaire Tested: **HBLED-LD5-30SE-N-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30701.0 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

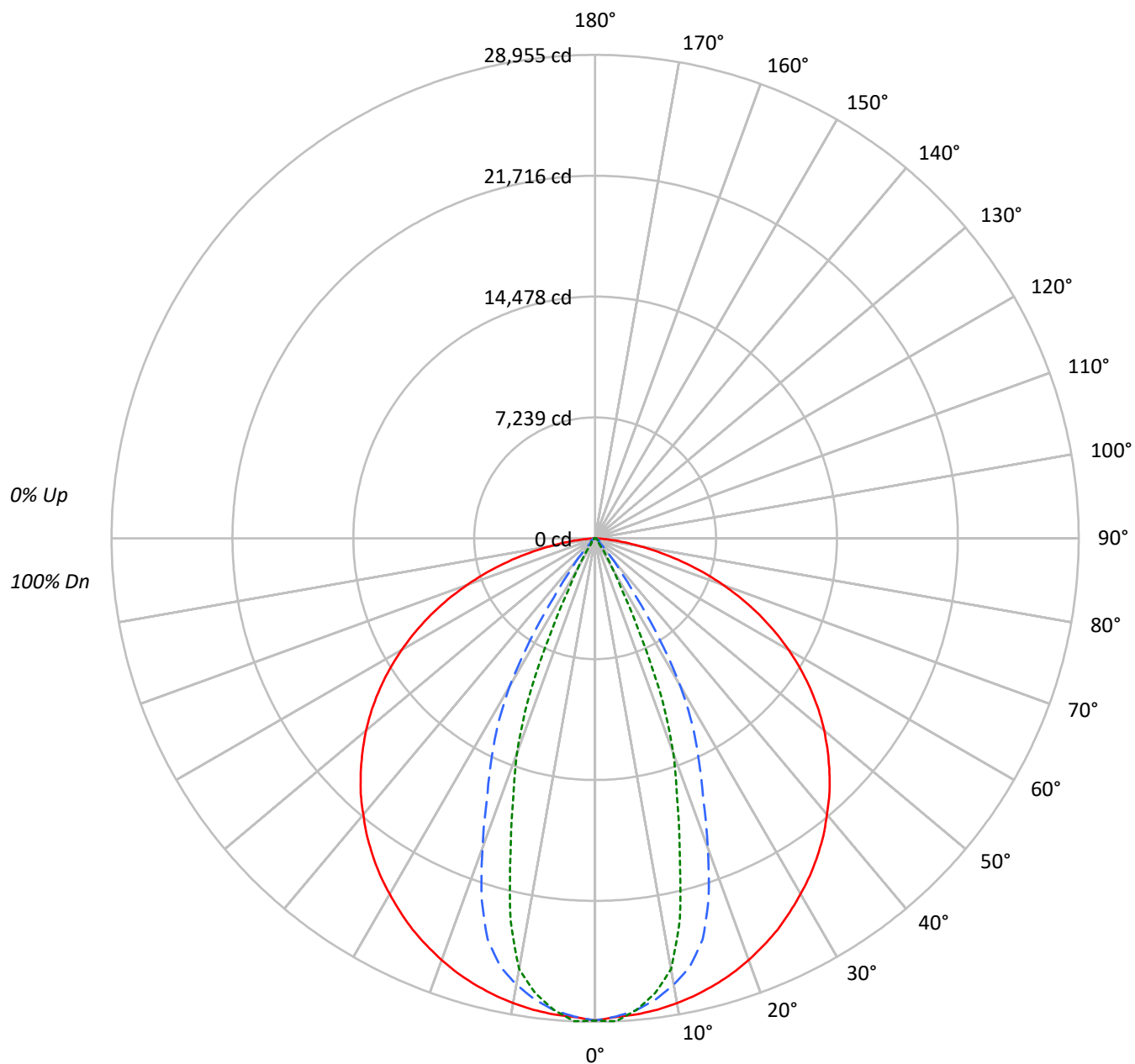
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46637	46637	46637
5°	46388	45978	45958
10°	46359	44505	42943
15°	46293	41578	32682
20°	46186	33894	23525
25°	46068	26208	11588
30°	45864	19047	3758
35°	45756	8450	967
40°	45516	3432	651
45°	45313	963	693
50°	44960	683	770
55°	44312	812	329
60°	43218	905	200
65°	41441	577	236
70°	38499	513	292
75°	33679	386	402
80°	25182	473	576
85°	12473	609	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2680.6	8.7
10°-20°	6702.7	21.8
20°-30°	7260.1	23.6
30°-40°	5376.4	17.5
40°-50°	3872.4	12.6
50°-60°	2397.8	7.8
60°-70°	1474.6	4.8
70°-80°	777.3	2.5
80°-90°	159.1	0.5
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°	16643.4	54.2
0°-40°	22019.8	71.7
0°-60°	28290.0	92.1
0°-90°	30701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30701.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28885	28885	28885	28885	28885	
5°	28621	28727	28368	28389	28356	###
15°	27695	27052	24874	21153	19552	7818
25°	25859	23687	14711	9254	6505	11915
35°	23214	16366	4287	1009	491	14523
45°	19845	9220	422	305	304	15304
55°	15742	1899	288	261	117	14053
65°	10847	201	151	96	62	10702
75°	5399	47	62	81	64	5702
85°	673	18	33	50	41	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28884.9	28884.9	28884.9	28884.9	28884.9
2.5°	28699.4	28882.2	28666.5	28827.3	28955.0
5°	28621.1	28726.9	28368.2	28388.8	28355.9
7.5°	28483.6	28458.9	27855.7	27591.9	27476.5
10°	28276.2	28112.6	27145.4	26594.3	26193.1
12.5°	28008.3	27642.7	26259.1	24507.0	23418.8
15°	27694.9	27051.9	24873.9	21152.9	19552.0
17.5°	27321.2	26410.2	22609.4	17728.6	16299.6
20°	26880.1	25694.2	19726.5	15083.5	13691.6
22.5°	26388.1	24823.1	16926.2	12535.9	10550.3
25°	25859.1	23686.7	14711.1	9254.5	6504.9
27.5°	25247.7	22226.0	12633.5	5451.1	3319.9
30°	24600.5	20467.1	10216.4	2932.3	2015.8
32.5°	23947.8	18473.3	7229.1	1831.7	1143.2
35°	23214.0	16365.5	4287.1	1008.6	490.6
37.5°	22448.6	14433.5	2533.8	459.0	314.7
40°	21595.3	12667.9	1628.3	305.0	309.1
42.5°	20770.9	11021.7	916.6	300.9	306.5
45°	19844.7	9220.1	421.8	305.0	303.7
47.5°	18886.9	7352.7	273.4	307.8	307.8
50°	17899.1	5257.4	272.1	314.7	306.5
52.5°	16856.1	3280.0	283.1	313.4	251.5
55°	15741.7	1899.0	288.5	261.0	116.8
57.5°	14587.4	1119.9	291.3	149.8	66.0
60°	13383.7	619.7	280.3	111.3	61.9
62.5°	12142.9	295.4	221.2	104.5	60.4
65°	10847.1	200.6	151.1	96.1	61.9
67.5°	9501.9	155.2	119.5	90.7	63.2
70°	8155.3	115.4	108.6	90.7	61.9
72.5°	6786.7	78.3	90.7	92.0	61.9
75°	5398.8	46.7	61.9	81.1	64.5
77.5°	4023.3	28.8	48.1	83.8	78.3
80°	2708.3	24.7	50.9	78.3	61.9
82.5°	1589.9	22.0	49.5	60.4	49.5
85°	673.3	17.9	32.9	49.5	41.2
87.5°	126.4	15.1	26.2	39.8	35.7
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)