

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: P730922

Luminaire Tested: **HBLED-LD5-30SE-W-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CLI-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29617.0 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

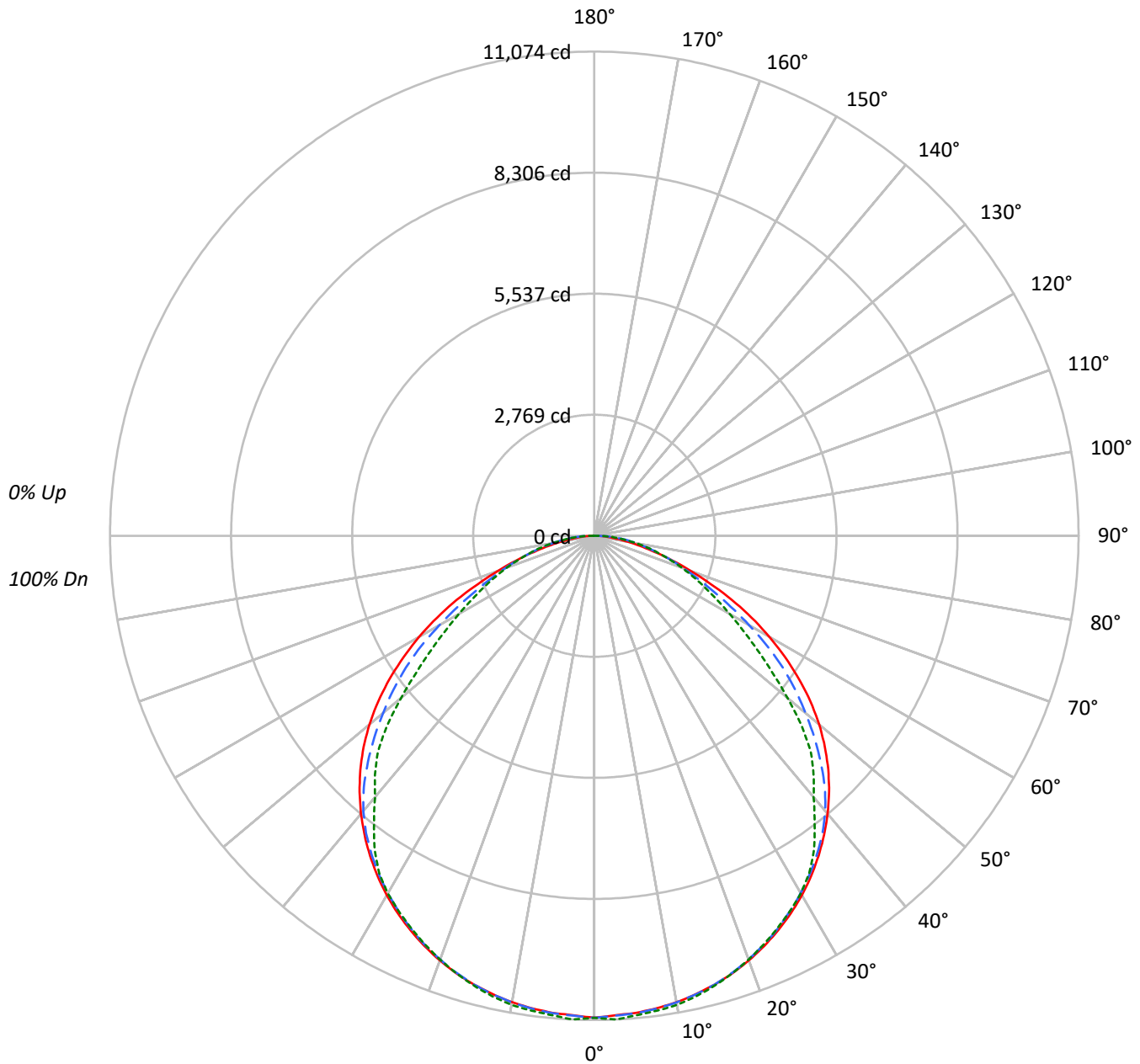
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17799	17799	17799
5°	17751	17764	17843
10°	17761	17769	17863
15°	17763	17761	17803
20°	17759	17718	17722
25°	17731	17665	17644
30°	17702	17596	17606
35°	17620	17510	17262
40°	17494	17316	16443
45°	17272	16719	15988
50°	16857	15829	14480
55°	16089	14804	12804
60°	14931	13209	11547
65°	13271	11436	10617
70°	11014	10220	10008
75°	8908	9354	9470
80°	7076	8946	8909
85°	5539	9611	9168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1045.4	3.5
10°-20°	3007.1	10.2
20°-30°	4585.2	15.5
30°-40°	5547.5	18.7
40°-50°	5619.1	19.0
50°-60°	4644.3	15.7
60°-70°	3067.5	10.4
70°-80°	1599.5	5.4
80°-90°	501.4	1.7
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°	8637.7	29.2
0°-40°	14185.2	47.9
0°-60°	24448.6	82.5
0°-90°	29617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29617.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11024	11024	11024	11024	11024	
5°	10952	11018	10960	11008	11009	###
15°	10627	10681	10625	10658	10650	3001
25°	9953	9993	9916	9941	9904	4589
35°	8939	8951	8884	8872	8758	5591
45°	7564	7544	7322	7094	7002	5825
55°	5716	5631	5259	4748	4548	5094
65°	3474	3373	2993	2799	2779	3431
75°	1428	1453	1499	1519	1518	1556
85°	299	385	519	515	495	363
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11023.6	11023.6	11023.6	11023.6	11023.6
2.5°	10977.3	11042.1	10987.8	11035.5	11073.9
5°	10952.1	11018.4	10960.1	11007.8	11009.1
7.5°	10903.3	10969.4	10909.8	10957.4	10956.1
10°	10833.0	10895.3	10838.3	10895.3	10895.3
12.5°	10737.8	10798.6	10743.1	10796.0	10788.0
15°	10626.7	10680.8	10625.3	10658.4	10650.4
17.5°	10495.6	10544.6	10482.3	10510.1	10494.3
20°	10335.5	10380.5	10311.7	10347.4	10314.2
22.5°	10155.4	10197.8	10127.7	10154.2	10117.0
25°	9953.1	9992.8	9916.0	9941.1	9904.1
27.5°	9734.6	9770.4	9684.3	9714.9	9685.6
30°	9495.1	9512.4	9438.3	9478.0	9443.6
32.5°	9227.8	9238.4	9173.5	9209.2	9151.1
35°	8939.3	8951.2	8883.8	8871.8	8758.0
37.5°	8631.0	8636.3	8572.8	8465.5	8277.6
40°	8300.2	8297.5	8215.5	7968.0	7801.2
42.5°	7946.7	7945.5	7801.2	7519.3	7424.1
45°	7564.3	7544.5	7322.1	7094.5	7001.9
47.5°	7154.2	7132.9	6821.9	6640.7	6430.2
50°	6710.8	6673.7	6301.8	6054.3	5764.6
52.5°	6233.0	6176.1	5797.7	5398.0	5124.1
55°	5715.6	5630.9	5259.1	4748.3	4548.4
57.5°	5177.0	5051.3	4690.0	4192.5	4029.7
60°	4623.9	4483.5	4090.5	3681.6	3575.7
62.5°	4054.8	3915.9	3514.9	3206.5	3148.3
65°	3473.8	3373.2	2993.4	2798.9	2779.1
67.5°	2878.3	2842.6	2552.7	2453.5	2445.6
70°	2333.1	2326.5	2165.0	2114.7	2120.0
72.5°	1864.7	1856.7	1832.9	1807.7	1809.0
75°	1427.9	1453.0	1499.4	1519.2	1518.0
77.5°	1065.3	1117.0	1214.8	1254.5	1247.9
80°	761.0	837.7	962.1	999.2	958.2
82.5°	506.8	587.6	734.4	739.7	706.7
85°	299.0	385.1	518.8	514.8	494.9
87.5°	148.2	231.6	311.0	297.7	284.6
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)