

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: P730934

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31881.0 lumens
Efficiency: N/A
Efficacy: 167.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

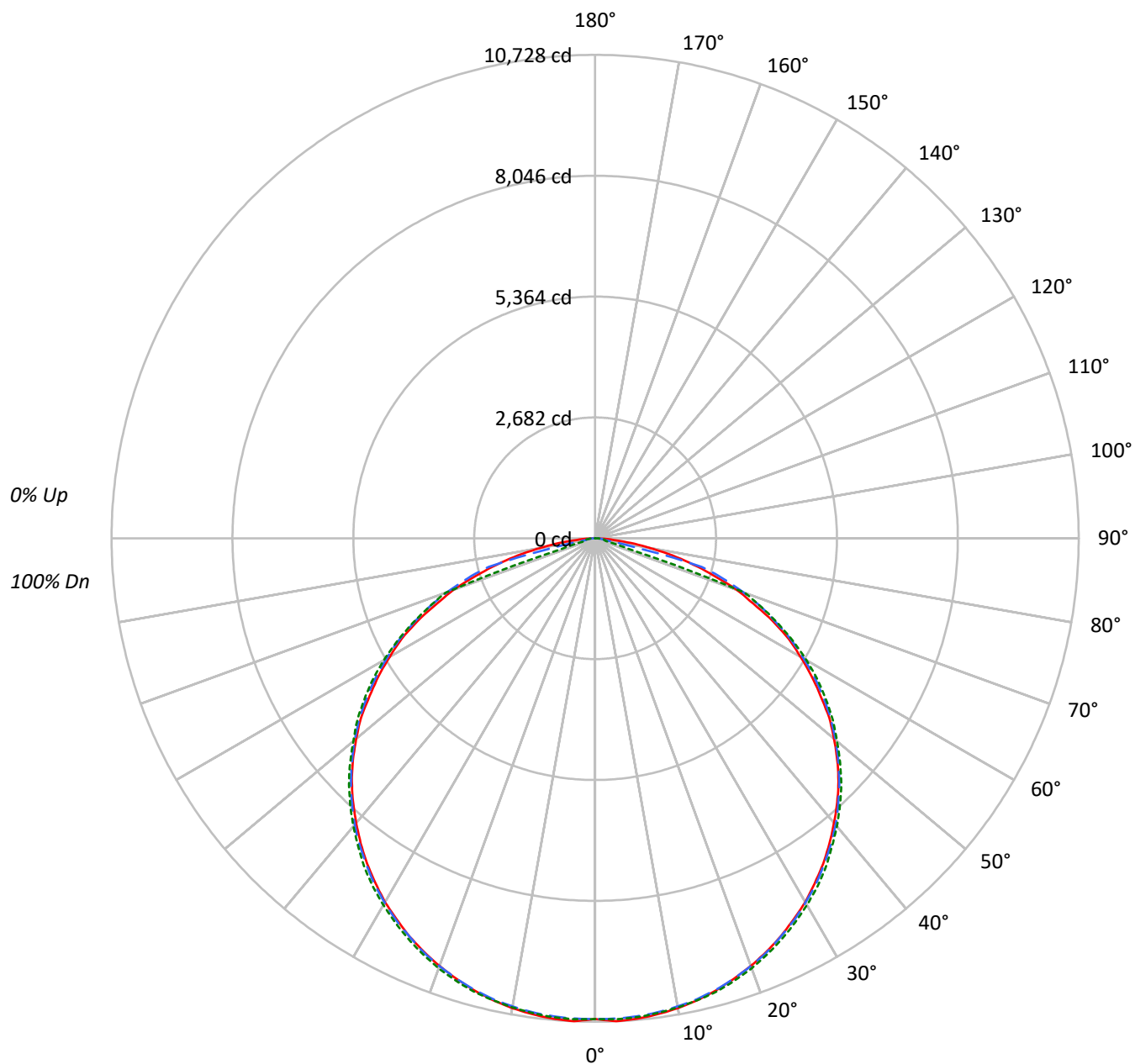
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17225	17225	17225
5°	17348	17260	17291
10°	17358	17296	17331
15°	17356	17332	17411
20°	17354	17359	17448
25°	17363	17371	17477
30°	17382	17404	17519
35°	17379	17435	17580
40°	17381	17492	17587
45°	17430	17495	17636
50°	17377	17479	17592
55°	17186	17427	17614
60°	16991	17267	17482
65°	16615	16960	17088
70°	15774	16447	16649
75°	14069	15256	1838
80°	11314	1901	2011
85°	7529	2466	2510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1013.3	3.2
10°-20°	2927.8	9.2
20°-30°	4498.4	14.1
30°-40°	5537.7	17.4
40°-50°	5903.7	18.5
50°-60°	5518.8	17.3
60°-70°	4368.8	13.7
70°-80°	1858.7	5.8
80°-90°	253.8	0.8
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°	8439.4	26.5
0°-40°	13977.1	43.8
0°-60°	25399.6	79.7
0°-90°	31881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31881.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10668	10668	10668	10668	10668	
5°	10704	10656	10649	10606	10668	###
15°	10383	10364	10369	10340	10416	2932
25°	9746	9734	9751	9746	9810	4494
35°	8817	8803	8846	8876	8919	5517
45°	7634	7591	7662	7693	7724	5882
55°	6105	6124	6191	6212	6257	5467
65°	4349	4387	4439	4473	4473	4278
75°	2255	2353	2446	399	295	2386
85°	406	121	133	138	136	530
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10668.3	10668.3	10668.3	10668.3	10668.3
2.5°	10727.7	10677.8	10668.3	10625.5	10682.6
5°	10703.9	10656.4	10649.3	10606.5	10668.3
7.5°	10654.0	10616.0	10611.3	10566.1	10627.9
10°	10587.5	10551.8	10549.5	10509.1	10570.9
12.5°	10497.2	10466.3	10475.8	10435.4	10497.2
15°	10383.1	10364.1	10368.8	10340.3	10416.4
17.5°	10245.3	10235.8	10245.3	10223.9	10292.8
20°	10100.3	10088.4	10102.7	10090.8	10155.0
22.5°	9931.6	9917.3	9945.8	9929.2	9988.6
25°	9746.2	9734.3	9750.9	9746.2	9810.4
27.5°	9534.7	9522.8	9558.4	9560.8	9610.7
30°	9323.2	9306.5	9335.1	9346.9	9396.8
32.5°	9071.3	9066.5	9109.3	9118.8	9171.1
35°	8817.0	8802.7	8845.5	8876.4	8919.2
37.5°	8538.9	8536.5	8581.7	8607.8	8629.2
40°	8246.6	8234.7	8298.9	8325.0	8344.0
42.5°	7949.5	7923.4	7985.2	8018.5	8039.8
45°	7633.5	7590.7	7662.0	7692.9	7723.8
47.5°	7286.5	7248.5	7317.4	7350.6	7372.0
50°	6918.1	6882.5	6958.5	6987.0	7003.7
52.5°	6547.4	6511.7	6592.5	6616.3	6656.7
55°	6105.3	6124.3	6190.9	6212.3	6257.4
57.5°	5696.6	5713.2	5777.4	5803.5	5855.8
60°	5261.7	5287.8	5347.2	5373.4	5413.8
62.5°	4841.0	4843.4	4914.7	4926.6	4957.5
65°	4349.1	4387.1	4439.4	4472.7	4472.7
67.5°	3800.1	3892.8	3983.1	3976.0	3995.0
70°	3341.4	3377.1	3484.0	3500.6	3526.8
72.5°	2766.3	2859.0	2977.8	2224.4	755.7
75°	2255.3	2352.8	2445.5	399.3	294.7
77.5°	1751.5	1827.6	812.8	228.1	223.4
80°	1216.8	1338.0	204.4	209.1	216.3
82.5°	800.9	653.5	168.7	185.4	187.7
85°	406.4	121.2	133.1	137.8	135.5
87.5°	133.1	73.7	76.0	78.4	80.8
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)