

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: P730937

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730937
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-L835
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30476.0 lumens
Efficiency: N/A
Efficacy: 160.4 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

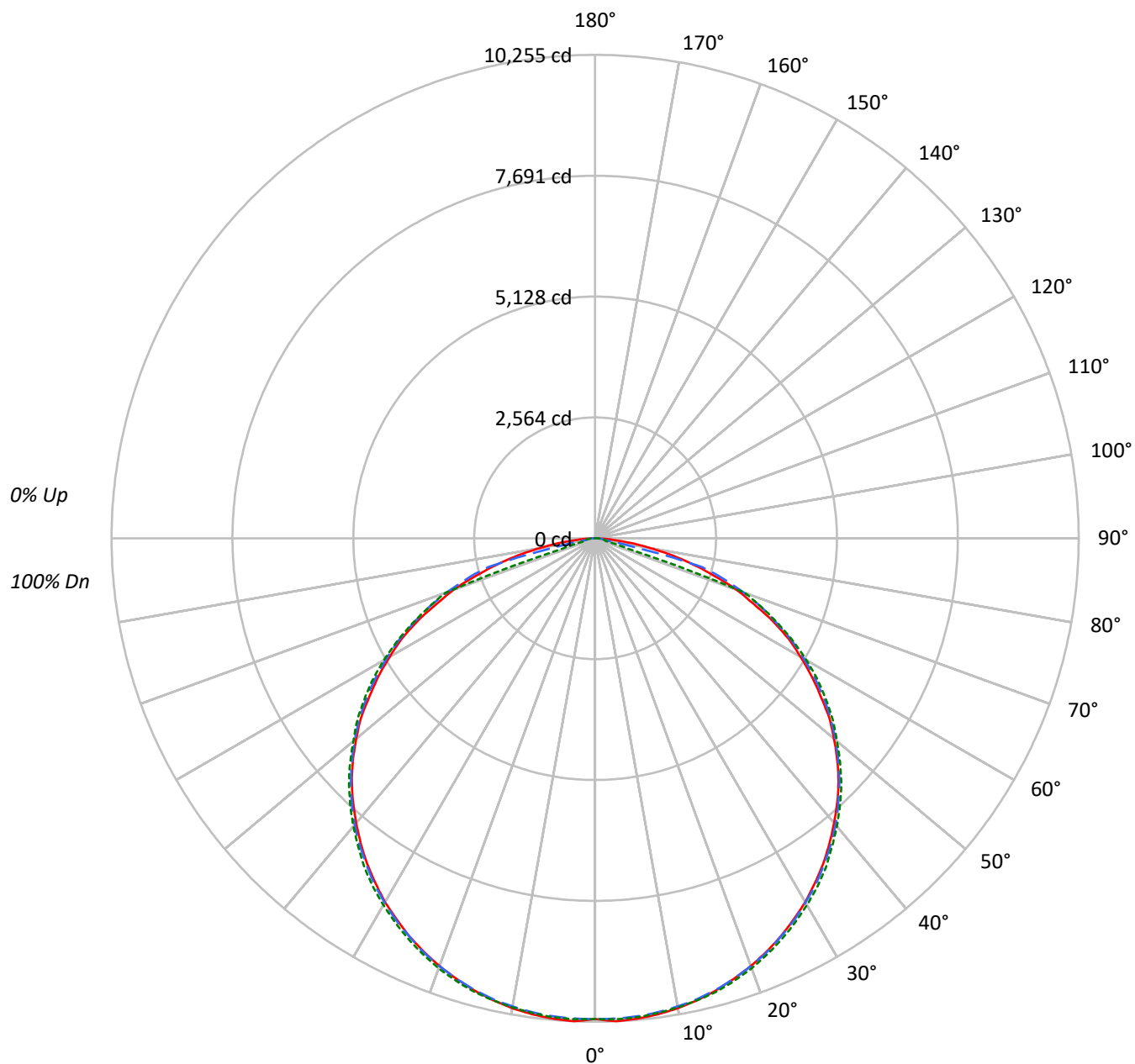
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
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°	16466	16466	16466
5°	16584	16499	16529
10°	16593	16534	16567
15°	16591	16568	16644
20°	16590	16594	16679
25°	16598	16606	16707
30°	16616	16637	16747
35°	16613	16667	16805
40°	16615	16721	16812
45°	16662	16724	16859
50°	16611	16709	16817
55°	16429	16659	16838
60°	16242	16506	16712
65°	15883	16213	16334
70°	15079	15722	15915
75°	13449	14583	1757
80°	10815	1817	1922
85°	7197	2356	2399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.6	3.2
10°-20°	2798.8	9.2
20°-30°	4300.1	14.1
30°-40°	5293.6	17.4
40°-50°	5643.5	18.5
50°-60°	5275.6	17.3
60°-70°	4176.3	13.7
70°-80°	1776.8	5.8
80°-90°	242.6	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°	8067.5	26.5
0°-40°	13361.1	43.8
0°-60°	24280.3	79.7
0°-90°	30476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30476.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10198	10198	10198	10198	10198	
5°	10232	10187	10180	10139	10198	973
15°	9926	9907	9912	9885	9957	2802
25°	9317	9305	9321	9317	9378	4296
35°	8428	8415	8456	8485	8526	5274
45°	7297	7256	7324	7354	7383	5623
55°	5836	5854	5918	5938	5982	5226
65°	4157	4194	4244	4276	4276	4090
75°	2156	2249	2338	382	282	2281
85°	388	116	127	132	130	507
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10198.1	10198.1	10198.1	10198.1	10198.1
2.5°	10254.9	10207.2	10198.1	10157.2	10211.8
5°	10232.2	10186.8	10180.0	10139.1	10198.1
7.5°	10184.5	10148.2	10143.6	10100.5	10159.5
10°	10120.9	10086.8	10084.6	10045.9	10105.0
12.5°	10034.6	10005.0	10014.1	9975.5	10034.6
15°	9925.5	9907.3	9911.9	9884.6	9957.3
17.5°	9793.8	9784.7	9793.8	9773.3	9839.2
20°	9655.2	9643.8	9657.5	9646.1	9707.4
22.5°	9493.9	9480.3	9507.5	9491.6	9548.4
25°	9316.7	9305.3	9321.2	9316.7	9378.0
27.5°	9114.5	9103.1	9137.2	9139.5	9187.2
30°	8912.3	8896.4	8923.7	8935.0	8982.7
32.5°	8671.5	8666.9	8707.8	8716.9	8766.9
35°	8428.4	8414.8	8455.7	8485.2	8526.1
37.5°	8162.6	8160.3	8203.5	8228.5	8248.9
40°	7883.2	7871.8	7933.1	7958.1	7976.3
42.5°	7599.2	7574.2	7633.3	7665.1	7685.5
45°	7297.0	7256.2	7324.3	7353.8	7383.4
47.5°	6965.4	6929.0	6994.9	7026.7	7047.1
50°	6613.2	6579.2	6651.9	6679.1	6695.0
52.5°	6258.8	6224.8	6302.0	6324.7	6363.3
55°	5836.3	5854.4	5918.1	5938.5	5981.7
57.5°	5445.5	5461.4	5522.8	5547.8	5597.7
60°	5029.8	5054.8	5111.6	5136.6	5175.2
62.5°	4627.7	4629.9	4698.1	4709.5	4739.0
65°	4157.4	4193.8	4243.7	4275.5	4275.5
67.5°	3632.6	3721.2	3807.5	3800.7	3818.9
70°	3194.2	3228.2	3330.5	3346.4	3371.4
72.5°	2644.4	2733.0	2846.6	2126.4	722.4
75°	2155.9	2249.1	2337.7	381.7	281.7
77.5°	1674.3	1747.0	777.0	218.1	213.5
80°	1163.2	1279.0	195.4	199.9	206.7
82.5°	765.6	624.7	161.3	177.2	179.5
85°	388.5	115.9	127.2	131.8	129.5
87.5°	127.2	70.4	72.7	75.0	77.2
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)