

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: P730910

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28757.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

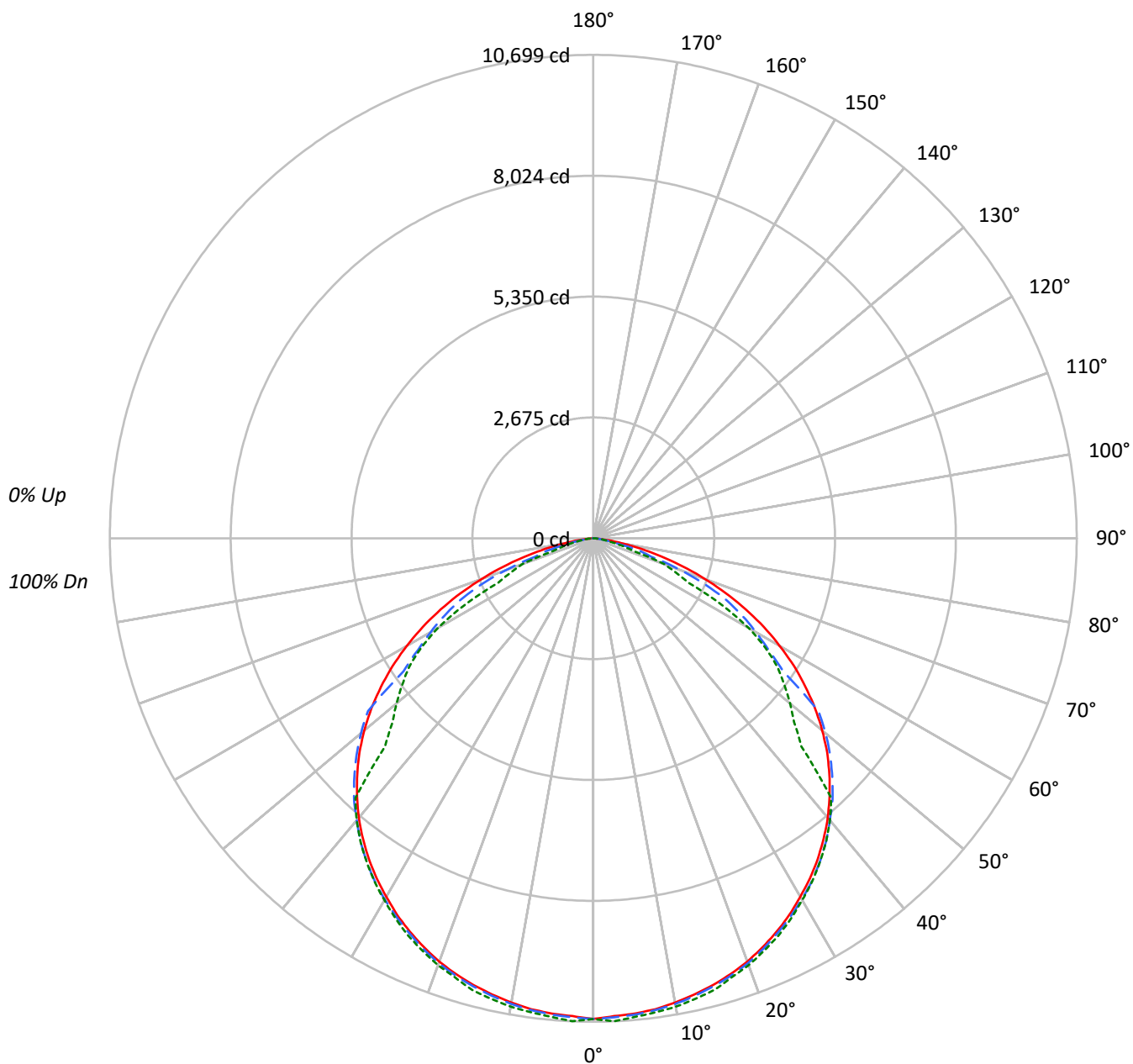
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17175	17175	17175
5°	17112	17150	17234
10°	17110	17159	17259
15°	17109	17161	17300
20°	17131	17195	17275
25°	17111	17176	17280
30°	17079	17204	17243
35°	17071	17226	17239
40°	17018	17168	17168
45°	16871	17076	14878
50°	16611	16862	14275
55°	16140	14434	14022
60°	15382	13417	12810
65°	14226	12455	8872
70°	12387	9691	7905
75°	9785	6504	4250
80°	6298	3106	2649
85°	2592	1897	2086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.0	3.5
10°-20°	2908.4	10.1
20°-30°	4459.0	15.5
30°-40°	5465.1	19.0
40°-50°	5618.6	19.5
50°-60°	4795.2	16.7
60°-70°	3170.2	11.0
70°-80°	1174.5	4.1
80°-90°	157.0	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°	8376.3	29.1
0°-40°	13841.5	48.1
0°-60°	24255.2	84.3
0°-90°	28757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10637	10637	10637	10637	10637	
5°	10558	10632	10581	10623	10633	###
15°	10236	10298	10267	10344	10350	2891
25°	9605	9655	9641	9728	9700	4429
35°	8661	8720	8740	8794	8746	5417
45°	7389	7463	7478	7466	6516	5694
55°	5734	5839	5128	4979	4981	5116
65°	3724	3755	3260	2681	2322	3672
75°	1568	1374	1043	701	681	1683
85°	140	100	102	111	113	231
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10637.1	10637.1	10637.1	10637.1	10637.1
2.5°	10585.3	10651.4	10612.4	10661.7	10699.2
5°	10558.1	10631.9	10581.4	10622.8	10633.2
7.5°	10511.5	10580.1	10533.4	10587.9	10580.1
10°	10436.4	10498.5	10466.1	10523.2	10526.9
12.5°	10340.5	10402.6	10372.9	10442.8	10441.5
15°	10235.6	10297.8	10266.6	10344.4	10349.6
17.5°	10112.5	10169.6	10146.2	10217.5	10188.9
20°	9970.0	10019.3	10007.6	10075.0	10054.2
22.5°	9795.2	9845.7	9834.2	9911.8	9880.7
25°	9604.9	9655.4	9641.1	9727.9	9699.5
27.5°	9399.0	9446.8	9445.5	9527.2	9483.2
30°	9160.6	9224.1	9228.0	9300.5	9248.7
32.5°	8925.0	8984.5	9001.3	9054.5	9010.4
35°	8660.7	8720.2	8739.7	8794.1	8746.2
37.5°	8375.7	8426.3	8461.2	8501.3	8463.8
40°	8074.0	8119.3	8145.3	8194.4	8145.3
42.5°	7737.2	7802.1	7838.3	7873.3	7793.0
45°	7388.8	7462.6	7478.2	7466.5	6515.9
47.5°	7019.8	7100.1	7109.2	6200.0	6025.1
50°	6613.1	6714.1	6712.8	5729.7	5683.2
52.5°	6189.6	6286.7	6282.8	5361.9	5330.9
55°	5733.6	5838.6	5127.5	4978.6	4981.2
57.5°	5268.7	5343.8	4600.4	4606.8	4521.3
60°	4763.6	4834.8	4154.9	4114.7	3967.0
62.5°	4257.2	4287.0	3723.6	3527.9	3247.0
65°	3723.6	3754.6	3260.0	2681.0	2322.2
67.5°	3175.8	3206.8	2705.5	1994.6	1967.3
70°	2623.9	2370.1	2052.9	1661.7	1674.6
72.5°	2080.0	1821.0	1341.8	1287.4	929.9
75°	1568.5	1374.1	1042.6	700.7	681.2
77.5°	1091.8	946.7	558.2	477.9	446.9
80°	677.3	475.3	334.1	296.6	284.9
82.5°	343.2	273.3	181.3	181.3	181.3
85°	139.9	99.8	102.4	111.3	112.6
87.5°	29.7	40.1	49.2	50.5	49.2
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)