

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: P730927

Luminaire Tested: **HBLED-LD5-30SE-W-CLI-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730927
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-L850
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: 29699.0 lumens
Efficiency: N/A
Efficacy: 156.3 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

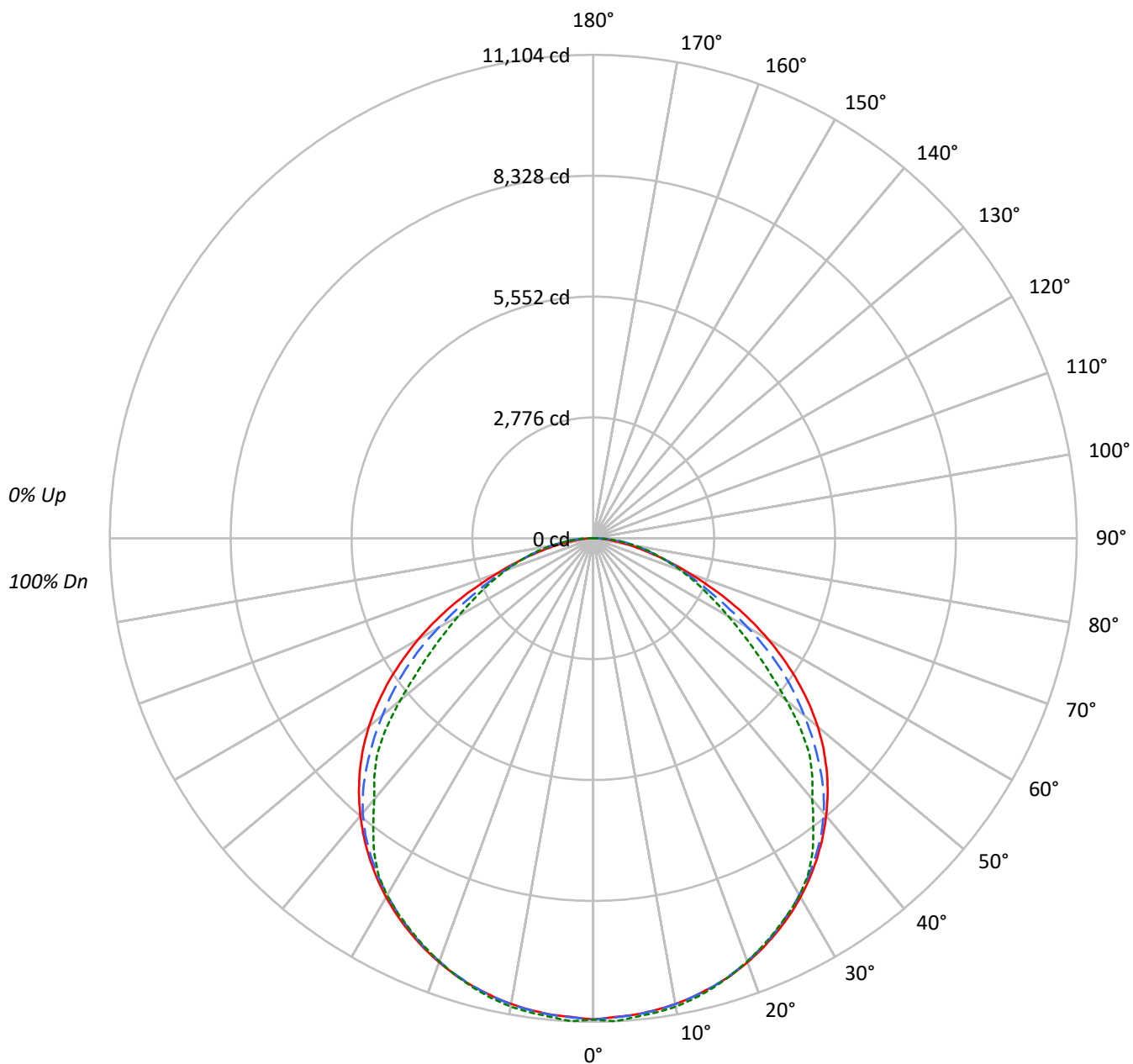
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17848	17848	17848
5°	17800	17813	17892
10°	17810	17819	17912
15°	17812	17810	17852
20°	17808	17767	17771
25°	17780	17714	17693
30°	17751	17645	17655
35°	17668	17559	17310
40°	17543	17364	16488
45°	17320	16765	16032
50°	16903	15873	14520
55°	16134	14845	12839
60°	14973	13245	11579
65°	13308	11468	10647
70°	11045	10249	10036
75°	8933	9379	9496
80°	7095	8971	8934
85°	5556	9637	9192



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1048.3	3.5
10°-20°	3015.4	10.2
20°-30°	4597.9	15.5
30°-40°	5562.8	18.7
40°-50°	5634.6	19.0
50°-60°	4657.2	15.7
60°-70°	3076.0	10.4
70°-80°	1603.9	5.4
80°-90°	502.8	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°	8661.6	29.2
0°-40°	14224.5	47.9
0°-60°	24516.3	82.5
0°-90°	29699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11054	11054	11054	11054	11054	
5°	10982	11049	10990	11038	11040	###
15°	10656	10710	10655	10688	10680	3009
25°	9981	10020	9944	9969	9932	4602
35°	8964	8976	8908	8896	8782	5607
45°	7585	7565	7342	7114	7021	5841
55°	5731	5646	5274	4761	4561	5108
65°	3484	3382	3002	2807	2787	3441
75°	1432	1457	1504	1523	1522	1560
85°	300	386	520	516	496	364
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11054.1	11054.1	11054.1	11054.1	11054.1
2.5°	11007.7	11072.7	11018.3	11066.1	11104.5
5°	10982.4	11048.9	10990.4	11038.2	11039.6
7.5°	10933.4	10999.7	10940.0	10987.8	10986.4
10°	10863.0	10925.4	10868.3	10925.4	10925.4
12.5°	10767.5	10828.5	10772.9	10825.9	10817.9
15°	10656.1	10710.4	10654.8	10687.9	10679.9
17.5°	10524.7	10573.8	10511.4	10539.2	10523.3
20°	10364.1	10409.2	10340.3	10376.1	10342.8
22.5°	10183.5	10226.0	10155.7	10182.3	10145.1
25°	9980.6	10020.4	9943.5	9968.6	9931.5
27.5°	9761.6	9797.4	9711.1	9741.8	9712.5
30°	9521.4	9538.7	9464.4	9504.2	9469.7
32.5°	9253.4	9264.0	9198.9	9234.7	9176.4
35°	8964.0	8976.0	8908.4	8896.4	8782.3
37.5°	8654.9	8660.2	8596.5	8488.9	8300.5
40°	8323.2	8320.5	8238.2	7990.0	7822.8
42.5°	7968.7	7967.5	7822.8	7540.1	7444.7
45°	7585.3	7565.4	7342.4	7114.2	7021.2
47.5°	7174.0	7152.7	6840.8	6659.1	6448.0
50°	6729.4	6692.2	6319.3	6071.1	5780.6
52.5°	6250.3	6193.2	5813.7	5412.9	5138.2
55°	5731.4	5646.5	5273.7	4761.4	4561.0
57.5°	5191.4	5065.3	4703.0	4204.1	4040.8
60°	4636.7	4495.9	4101.8	3691.8	3585.6
62.5°	4066.0	3926.7	3524.6	3215.4	3157.0
65°	3483.5	3382.5	3001.7	2806.7	2786.8
67.5°	2886.3	2850.5	2559.8	2460.3	2452.3
70°	2339.6	2332.9	2171.0	2120.5	2125.9
72.5°	1869.8	1861.8	1838.0	1812.7	1814.0
75°	1431.9	1457.1	1503.5	1523.4	1522.2
77.5°	1068.3	1120.1	1218.2	1258.0	1251.3
80°	763.1	840.0	964.8	1002.0	960.8
82.5°	508.2	589.2	736.4	741.8	708.6
85°	299.9	386.1	520.2	516.2	496.2
87.5°	148.6	232.2	311.8	298.5	285.3
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)