

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: P827662

Luminaire Tested: **OHBL-12SE-N-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827662
REPORT IS A COMBINATION OF REPORTS P826152 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-N-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

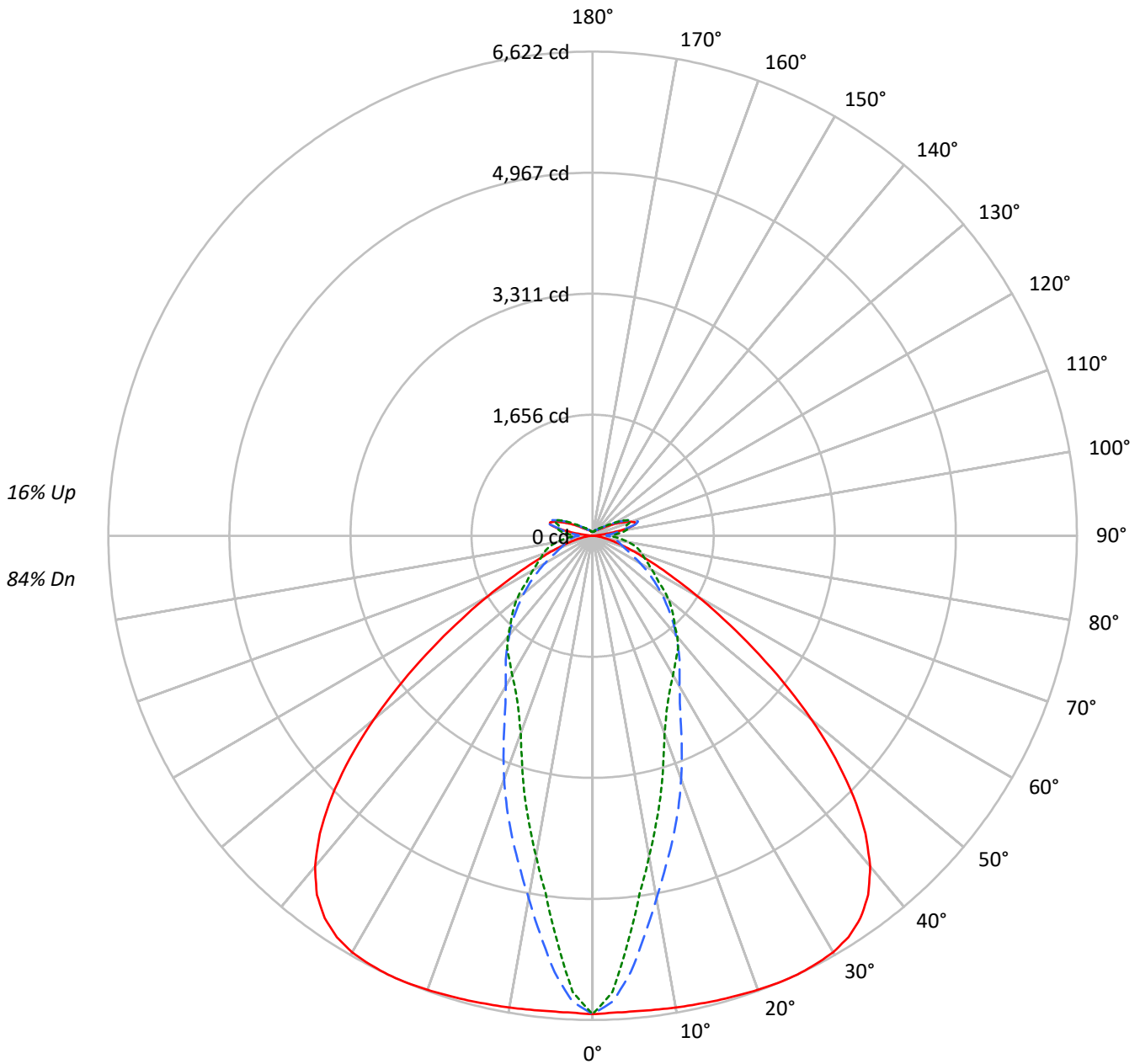
Lumens per Lamp: N/A
Luminaire Lumens: 11102.4 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 82.3
Input Voltage (V): NR
Input Current (A_{in}): 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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84	84	84	84
1	106	101	98	94	102	98	94	91	91	88	85	84	82	80	78	76	75	72	72	72	72
2	97	90	84	79	93	87	81	76	81	76	72	75	71	68	70	67	65	62	62	62	62
3	90	80	73	67	86	77	71	65	72	67	62	68	63	59	63	59	56	54	54	54	54
4	83	72	64	58	79	70	62	57	65	59	54	61	56	52	57	53	50	47	47	47	47
5	77	65	57	51	74	63	56	50	59	53	48	56	50	46	52	48	44	42	42	42	42
6	71	59	51	45	68	57	50	44	54	48	43	51	46	41	48	43	40	38	38	38	38
7	66	54	46	41	64	53	45	40	50	43	39	47	41	37	44	40	36	34	34	34	34
8	62	50	42	37	60	48	41	36	46	40	35	44	38	34	41	36	33	31	31	31	31
9	58	46	39	33	56	45	38	33	43	36	32	40	35	31	38	34	30	28	28	28	28
10	55	43	35	31	53	42	35	30	40	34	29	38	32	29	36	31	28	26	26	26	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21284	21284	21284
5°	20973	19276	18109
10°	20944	16148	14591
15°	21082	13734	12036
20°	21393	11547	9785
25°	21832	9502	8620
30°	22263	8135	8054
35°	22375	7365	7722
40°	21618	6604	7377
45°	19508	5919	6884
50°	16098	5181	6521
55°	11916	4488	5867
60°	8087	3798	5694
65°	5224	3217	5676
70°	3379	2953	6102
75°	2168	2953	6761
80°	1317	3120	7399
85°	607	3587	8824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.7	5.0
10°-20°	1295.5	11.7
20°-30°	1623.9	14.6
30°-40°	1723.2	15.5
40°-50°	1558.0	14.0
50°-60°	1129.7	10.2
60°-70°	708.9	6.4
70°-80°	469.1	4.2
80°-90°	273.9	2.5
90°-100°	269.3	2.4
100°-110°	571.0	5.1
110°-120°	468.7	4.2
120°-130°	225.3	2.0
130°-140°	111.5	1.0
140°-150°	64.3	0.6
150°-160°	36.5	0.3
160°-170°	17.4	0.2
170°-180°	5.3	0.0
0°-30°	3470.1	31.3
0°-40°	5193.3	46.8
0°-60°	7881.0	71.0
0°-90°	9332.9	84.1
90°-120°	1309.1	11.8
90°-150°	1710.2	15.4
90°-180°	1769.0	15.9
0°-180°	11102.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6542	6542	6542	6542	6542	
5°	6529	6362	5988	5710	5566	624
15°	6579	5362	4259	3788	3616	1866
25°	6622	4146	2852	2531	2451	3059
35°	6385	2756	2070	2005	2004	3969
45°	5048	1746	1500	1536	1562	3845
55°	2672	1082	979	1062	1100	2415
65°	956	628	567	726	807	995
75°	295	338	380	591	626	329
85°	52	140	278	387	356	62
90°	3	79	189	264	270	6
95°	33	107	246	328	356	99
105°	604	621	609	494	470	573
115°	422	439	488	501	502	425
125°	210	222	253	262	259	197
135°	126	130	142	152	153	100
145°	95	97	101	106	106	60
155°	77	80	82	83	82	35
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6542.2	6542.2	6542.2	6542.2	6542.2
2.5°	6528.4	6491.1	6374.7	6303.7	6243.9
5°	6529.1	6361.6	5988.0	5710.3	5566.4
7.5°	6538.4	6166.0	5492.9	5087.7	4929.5
10°	6552.8	5923.9	5031.0	4598.9	4451.3
12.5°	6563.3	5651.1	4624.4	4180.5	4018.5
15°	6578.9	5362.2	4258.9	3787.5	3615.7
17.5°	6593.2	5090.2	3897.8	3405.3	3214.1
20°	6607.6	4796.9	3536.6	3029.1	2871.7
22.5°	6621.2	4487.4	3184.2	2737.2	2629.4
25°	6622.4	4146.2	2851.7	2531.1	2450.7
27.5°	6606.3	3792.5	2582.1	2358.6	2308.8
30°	6578.3	3449.5	2372.9	2234.1	2198.6
32.5°	6508.5	3099.6	2211.0	2113.9	2093.3
35°	6385.3	2756.4	2069.7	2004.9	2004.3
37.5°	6190.9	2452.0	1916.5	1905.3	1919.0
40°	5903.9	2185.5	1771.5	1801.3	1801.3
42.5°	5521.0	1953.9	1640.0	1670.6	1662.5
45°	5047.8	1745.9	1499.9	1536.1	1562.2
47.5°	4499.3	1562.8	1356.7	1426.5	1462.6
50°	3902.7	1388.5	1226.0	1315.0	1356.1
52.5°	3277.6	1227.2	1098.4	1200.5	1233.4
55°	2672.4	1082.2	978.8	1061.6	1099.6
57.5°	2124.5	944.0	861.8	940.2	1018.7
60°	1653.1	825.0	751.5	863.6	942.0
62.5°	1262.7	719.2	648.2	792.0	870.5
65°	955.8	627.6	566.6	726.0	807.0
67.5°	720.4	548.5	503.1	678.0	757.2
70°	541.1	472.0	452.0	648.2	719.2
72.5°	399.7	401.6	411.6	622.0	676.2
75°	295.1	338.1	380.4	590.9	626.4
77.5°	211.1	280.2	352.4	553.5	566.0
80°	146.3	228.5	323.2	504.3	493.7
82.5°	91.5	183.1	297.0	450.2	420.9
85°	51.7	140.1	278.3	387.3	355.5
87.5°	23.0	104.6	243.5	302.0	282.0
90°	3.2	78.7	188.7	263.7	269.6
92.5°	11.7	75.3	193.3	269.4	282.1
95°	33.2	107.3	246.2	328.0	356.2
97.5°	160.8	208.3	325.6	407.2	427.7
100°	328.7	373.5	408.8	464.9	475.9
102.5°	512.8	537.5	479.7	481.4	481.6
105°	604.0	620.7	609.4	493.5	469.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	492.8	511.0	558.0	565.6	548.5
115°	421.5	438.8	488.5	501.0	502.1
117.5°	360.7	372.5	418.3	432.2	433.7
120°	302.5	315.7	356.2	366.9	365.3
122.5°	254.0	266.3	301.4	309.6	307.3
125°	209.5	221.7	252.9	261.5	259.2
127.5°	178.2	186.7	214.5	222.5	220.2
130°	155.6	162.5	182.3	191.8	192.6
132.5°	139.6	143.2	159.3	168.9	170.5
135°	125.9	129.5	141.7	152.0	152.8
137.5°	115.3	119.6	127.9	137.6	138.4
140°	106.5	110.1	116.3	125.4	126.2
142.5°	99.8	102.8	107.8	114.8	115.6
145°	94.7	97.0	100.7	106.5	105.8
147.5°	89.1	92.0	94.3	98.9	98.3
150°	84.2	87.8	89.4	92.1	92.2
152.5°	81.0	83.7	85.4	87.4	86.7
155°	77.0	80.5	81.9	83.3	82.1
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	609.6	630.2	652.4	555.9	489.9
110°	559.3	583.2	622.5	597.0	545.6



(END OF REPORT)