

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: P827661

Luminaire Tested: **OHBL-12SE-N-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827661
REPORT IS A COMBINATION OF REPORTS P826056 AND G3-2310-221-12
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-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

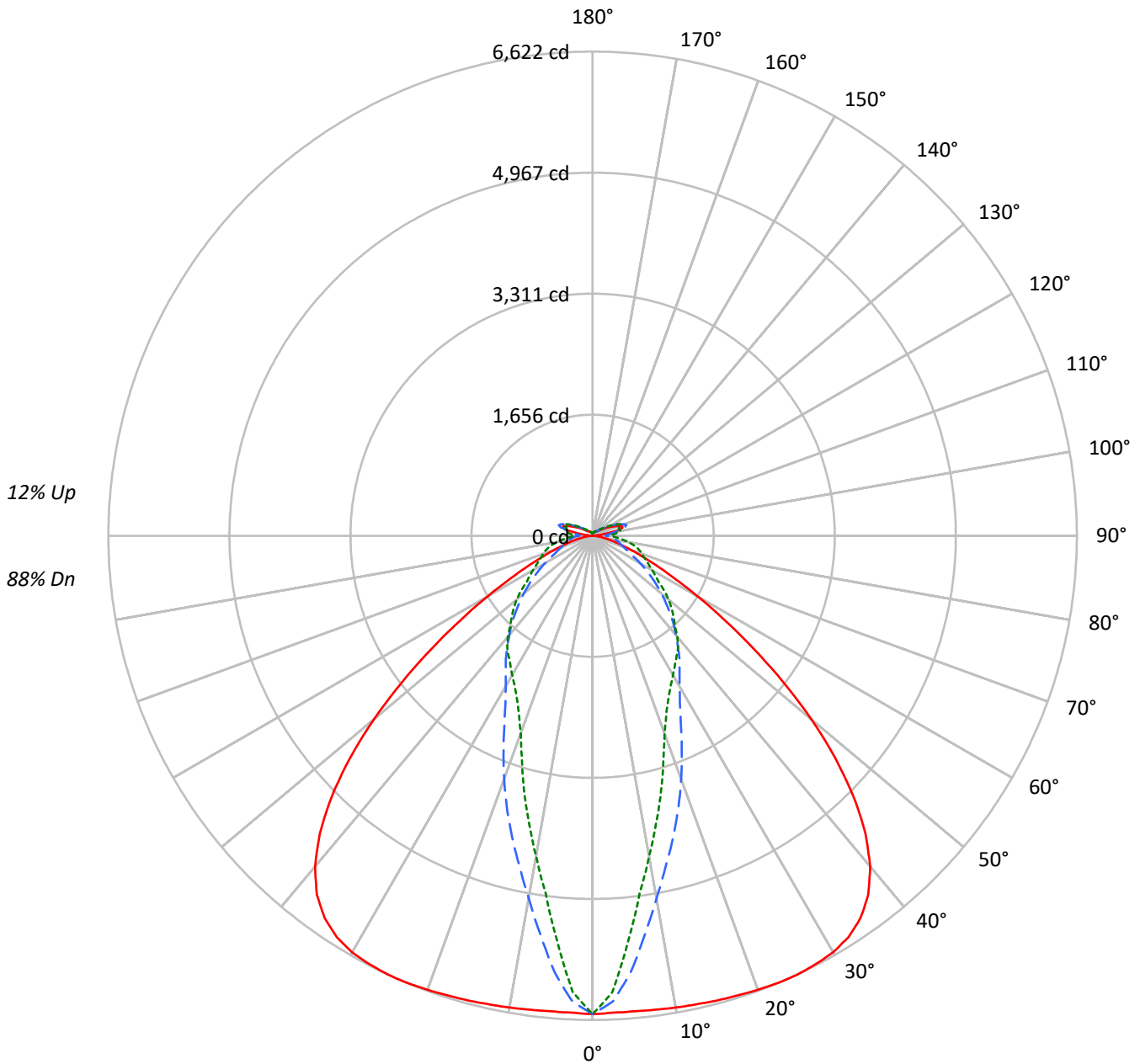
Lumens per Lamp: N/A
Luminaire Lumens: 10662.2 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 78.4
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

TEST NUMBER: P827661

CATALOG NUMBER: OHBL-12SE-N-UNV-L930-CD-UPL12

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	60	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

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



TEST NUMBER: P827661

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.7	5.2
10°-20°	1295.5	12.2
20°-30°	1623.9	15.2
30°-40°	1723.2	16.2
40°-50°	1558.0	14.6
50°-60°	1129.7	10.6
60°-70°	708.9	6.6
70°-80°	469.1	4.4
80°-90°	272.8	2.6
90°-100°	227.1	2.1
100°-110°	425.0	4.0
110°-120°	343.2	3.2
120°-130°	164.7	1.5
130°-140°	81.3	0.8
140°-150°	46.9	0.4
150°-160°	26.3	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	3470.1	32.5
0°-40°	5193.3	48.7
0°-60°	7881.0	73.9
0°-90°	9331.8	87.5
90°-120°	995.2	9.3
90°-150°	1288.2	12.1
90°-180°	1330.0	12.5
0°-180°	10662.2	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°	2	73	181	252	258	5
95°	23	88	212	287	310	69
105°	423	440	456	387	370	400
115°	298	310	362	376	374	298
125°	150	158	187	194	195	139
135°	89	92	104	113	113	71
145°	68	70	72	78	78	43
155°	56	59	60	62	60	25
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



TEST NUMBER: P827661

CATALOG NUMBER: OHBL-12SE-N-UNV-L930-CD-UPL12

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°	2.4	73.1	180.7	252.4	257.5
92.5°	8.5	67.2	179.5	251.6	261.9
95°	22.7	87.9	211.5	286.8	310.1
97.5°	112.3	155.0	267.4	337.7	353.3
100°	226.8	272.5	322.3	373.5	383.8
102.5°	359.2	379.9	368.1	381.2	382.2
105°	422.9	440.5	455.8	386.8	370.3



TEST NUMBER: P827661

CATALOG NUMBER: OHBL-12SE-N-UNV-L930-CD-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	344.1	361.5	415.7	423.3	412.7
115°	297.9	310.3	361.6	376.5	373.6
117.5°	251.6	264.2	310.8	323.9	322.9
120°	211.9	224.3	263.3	273.1	273.1
122.5°	179.6	188.7	222.2	230.4	230.5
125°	149.7	157.9	186.6	194.4	194.6
127.5°	125.7	131.8	157.9	165.9	165.2
130°	110.3	114.8	133.8	143.3	143.3
132.5°	98.4	102.0	116.5	126.0	126.8
135°	88.7	92.3	103.7	113.2	113.2
137.5°	82.2	85.7	93.1	102.0	102.8
140°	75.7	79.4	84.8	93.0	93.0
142.5°	71.5	73.7	77.8	84.9	85.7
145°	68.1	70.3	72.4	78.2	78.3
147.5°	64.0	66.9	69.2	72.3	72.4
150°	61.6	64.3	65.2	67.8	67.2
152.5°	58.4	61.1	61.9	63.9	63.3
155°	55.9	58.7	60.1	61.5	60.3
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	425.3	447.5	483.5	424.1	376.8
110°	390.3	413.5	459.2	449.1	412.2



(END OF REPORT)