

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: P827758

Luminaire Tested: **OHBL-24SE-NL-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827758
REPORT IS A COMBINATION OF REPORTS P826249 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-NL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

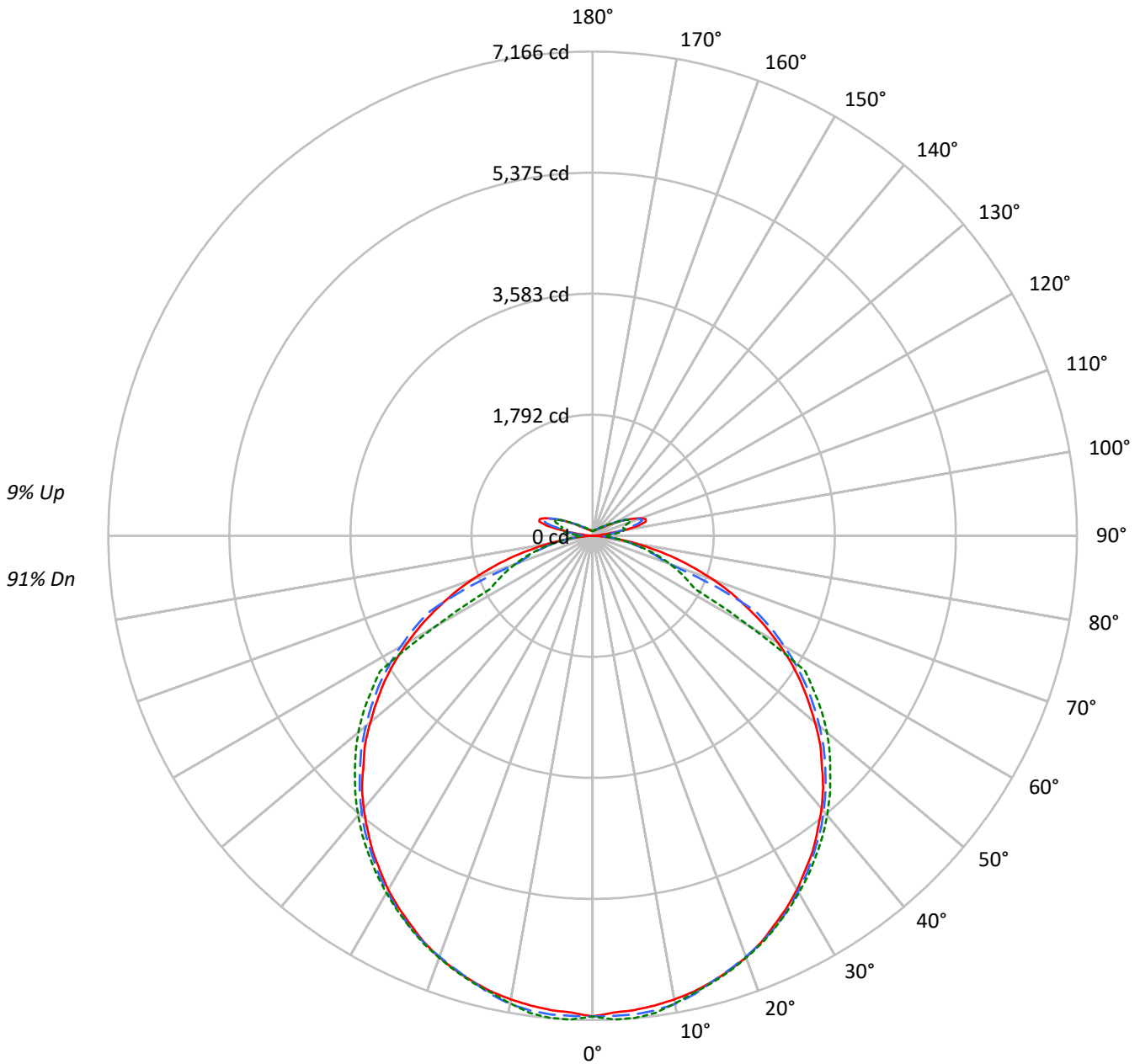
Lumens per Lamp: N/A
Luminaire Lumens: 21927.9 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 155.4
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: P827758

CATALOG NUMBER: OHBL-24SE-NL-UNV-L930-CD-UPL24

Luminous Intensity Polar Plot





TEST NUMBER: P827758

CATALOG NUMBER: OHBL-24SE-NL-UNV-L930-CD-UPL24

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91																			
1	107	103	99	95	103	99	96	92	93	91	88	88	86	84	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12149	12149	12149
5°	12019	12127	12255
10°	11959	12070	12129
15°	11892	11887	12023
20°	11809	11787	11963
25°	11658	11712	11908
30°	11530	11582	11857
35°	11374	11428	11810
40°	11186	11282	11775
45°	10924	11078	11702
50°	10644	10848	11655
55°	10305	10556	11457
60°	9795	10124	8851
65°	9064	9570	5896
70°	8123	4920	5636
75°	6744	4446	5255
80°	4736	3720	4601
85°	1899	2980	3982



TEST NUMBER: P827758

CATALOG NUMBER: OHBL-24SE-NL-UNV-L930-CD-UPL24

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.8	3.1
10°-20°	1935.0	8.8
20°-30°	2944.2	13.4
30°-40°	3579.8	16.3
40°-50°	3764.0	17.2
50°-60°	3436.9	15.7
60°-70°	2203.3	10.0
70°-80°	1040.8	4.7
80°-90°	293.6	1.3
90°-100°	263.8	1.2
100°-110°	671.6	3.1
110°-120°	563.9	2.6
120°-130°	267.8	1.2
130°-140°	134.0	0.6
140°-150°	77.7	0.4
150°-160°	45.3	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5555.0	25.3
0°-40°	9134.8	41.7
0°-60°	16335.7	74.5
0°-90°	19873.3	90.6
90°-120°	1499.3	6.8
90°-150°	1978.7	9.0
90°-180°	2055.0	9.4
0°-180°	21927.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7113	7113	7113	7113	7113	
5°	7047	7075	7111	7150	7164	670
15°	6834	6885	6832	6842	6848	1929
25°	6359	6369	6392	6402	6397	2934
35°	5684	5650	5715	5785	5769	3552
45°	4794	4785	4867	4981	4973	3706
55°	3757	3728	3854	3983	3993	3351
65°	2531	2531	2678	1536	1542	2510
75°	1251	1274	828	871	875	1318
85°	163	207	258	280	265	242
90°	4	97	153	186	189	10
95°	47	126	222	295	320	135
105°	817	816	702	506	465	776
115°	566	574	578	572	560	569
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



TEST NUMBER: P827758

CATALOG NUMBER: OHBL-24SE-NL-UNV-L930-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7113.3	7113.3	7113.3	7113.3	7113.3
2.5°	7063.4	7087.1	7113.3	7147.0	7165.6
5°	7047.1	7074.6	7110.8	7149.5	7164.5
7.5°	7012.2	7050.8	7085.8	7113.3	7122.1
10°	6968.5	7014.7	7034.7	7032.2	7026.0
12.5°	6909.8	6958.6	6952.4	6923.5	6928.6
15°	6833.7	6884.8	6832.5	6842.5	6847.5
17.5°	6743.8	6793.8	6732.6	6752.6	6753.9
20°	6639.1	6676.4	6629.0	6645.2	6645.2
22.5°	6513.0	6539.2	6519.2	6530.4	6533.0
25°	6359.4	6369.3	6391.8	6401.8	6396.8
27.5°	6212.2	6199.7	6243.4	6267.1	6254.5
30°	6048.6	6028.6	6079.8	6118.5	6103.6
32.5°	5861.4	5848.9	5907.6	5953.8	5945.0
35°	5684.2	5650.5	5715.3	5785.2	5769.0
37.5°	5474.4	5454.5	5528.1	5601.8	5593.1
40°	5269.8	5236.1	5319.7	5407.0	5398.3
42.5°	5050.1	5010.0	5101.2	5206.2	5196.1
45°	4794.1	4785.4	4866.6	4981.4	4972.7
47.5°	4567.2	4523.4	4636.9	4748.1	4758.1
50°	4292.4	4276.2	4379.9	4514.7	4524.6
52.5°	4024.1	4012.9	4121.4	4257.5	4275.0
55°	3757.0	3728.3	3854.3	3982.9	3992.9
57.5°	3471.2	3441.2	3569.8	3709.6	3730.8
60°	3165.4	3136.7	3277.6	3407.5	2709.8
62.5°	2859.6	2839.6	2987.0	2115.7	1705.1
65°	2531.3	2531.3	2678.5	1536.5	1541.5
67.5°	2224.3	2204.3	1997.1	1380.4	1380.4
70°	1894.7	1902.3	1150.7	1209.5	1210.7
72.5°	1564.0	1591.4	993.6	1040.9	1043.4
75°	1250.7	1274.4	827.5	871.2	874.9
77.5°	918.7	706.5	665.3	699.0	700.3
80°	645.3	445.6	509.3	541.7	537.9
82.5°	376.8	312.0	373.2	397.0	395.7
85°	163.4	207.2	258.3	279.6	264.6
87.5°	52.3	128.6	160.9	173.5	172.2
90°	4.0	97.4	152.9	186.1	189.4
92.5°	13.7	91.2	158.1	207.3	219.1
95°	46.6	125.9	221.5	295.4	319.7
97.5°	219.9	261.4	311.7	393.7	422.9
100°	448.7	494.9	421.1	466.6	475.1
102.5°	695.7	702.9	523.2	487.7	482.6
105°	817.0	815.6	702.2	505.8	465.0



TEST NUMBER: P827758

CATALOG NUMBER: OHBL-24SE-NL-UNV-L930-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.7	672.9	663.6	641.3	606.7
115°	565.6	573.8	577.5	572.1	559.8
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	820.2	829.7	771.6	600.5	494.4
110°	758.5	769.5	736.8	669.6	581.6



(END OF REPORT)