

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: P827777

Luminaire Tested: **OHBL-30SE-MCL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827777
REPORT IS A COMBINATION OF REPORTS P826126 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MCL-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

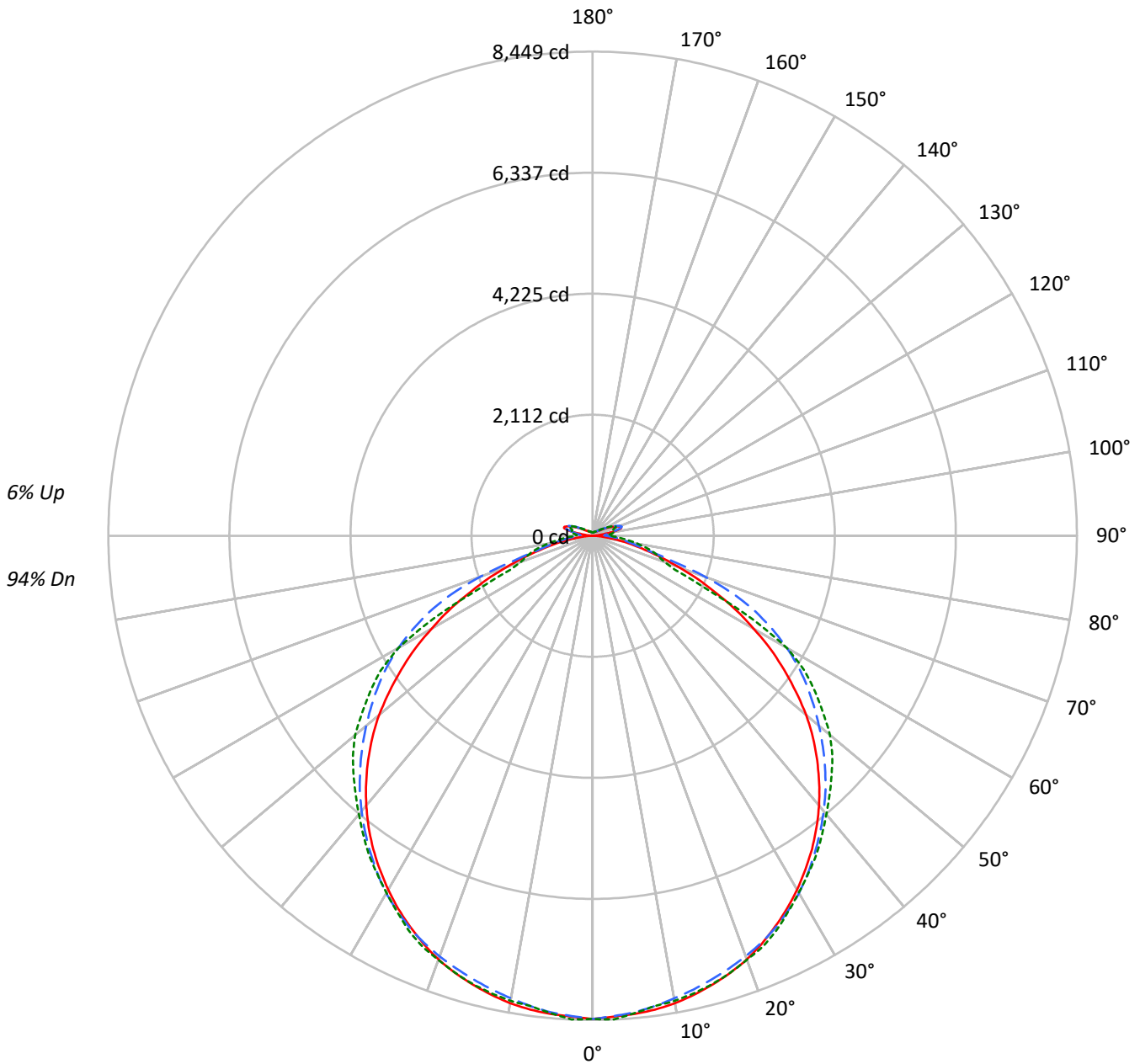
Lumens per Lamp: N/A
Luminaire Lumens: 25060.2 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
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

TEST NUMBER: P827777

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L930-CD-UPL15

Luminous Intensity Polar Plot





TEST NUMBER: P827777

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L930-CD-UPL15

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				94
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79				79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67				67
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56				56
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48				48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42				42
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36				36
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32				32
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29				29
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26				26
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14401	14401	14401
5°	14238	14186	14282
10°	14117	13965	14183
15°	13958	13798	14149
20°	13797	13690	14087
25°	13558	13581	14028
30°	13301	13414	13832
35°	13005	13152	13760
40°	12639	12882	13641
45°	12162	12569	13646
50°	11543	12214	13647
55°	10620	11863	13266
60°	9446	11353	12412
65°	7960	10416	7991
70°	6256	8115	5919
75°	4523	4803	6204
80°	2961	3975	6255
85°	1483	3609	6577



TEST NUMBER: P827777

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L930-CD-UPL15

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.0	3.2
10°-20°	2279.8	9.1
20°-30°	3482.0	13.9
30°-40°	4224.8	16.9
40°-50°	4428.0	17.7
50°-60°	4012.5	16.0
60°-70°	2690.2	10.7
70°-80°	1208.0	4.8
80°-90°	441.5	1.8
90°-100°	249.7	1.0
100°-110°	470.1	1.9
110°-120°	381.7	1.5
120°-130°	185.4	0.7
130°-140°	95.9	0.4
140°-150°	56.8	0.2
150°-160°	34.4	0.1
160°-170°	18.6	0.1
170°-180°	5.7	0.0
0°-30°	6556.8	26.2
0°-40°	10781.7	43.0
0°-60°	19222.2	76.7
0°-90°	23561.9	94.0
90°-120°	1101.5	4.4
90°-150°	1439.6	5.7
90°-180°	1498.0	6.0
0°-180°	25060.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8432	8432	8432	8432	8432	
5°	8377	8406	8348	8373	8362	797
15°	8105	8073	8016	8087	8096	2288
25°	7530	7497	7549	7619	7597	3471
35°	6674	6690	6758	6830	6803	4171
45°	5539	5629	5734	5880	5898	4267
55°	4076	4272	4563	4746	4735	3638
65°	2392	2766	3141	2650	2164	2383
75°	941	1365	1005	1028	1095	1029
85°	162	311	399	482	505	198
90°	4	121	230	289	305	11
95°	24	123	228	287	310	82
105°	516	532	500	388	367	490
115°	362	367	391	399	394	365
125°	179	190	207	209	210	170
135°	112	116	120	128	130	89
145°	85	87	89	92	93	54
155°	71	73	75	75	74	33
165°	64	64	65	65	65	18
175°	60	60	58	58	58	6
180°	58	58	58	58	58	



TEST NUMBER: P827777

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L930-CD-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8431.8	8431.8	8431.8	8431.8	8431.8
2.5°	8397.7	8433.0	8389.1	8436.7	8448.9
5°	8376.9	8406.2	8347.7	8373.3	8362.3
7.5°	8339.2	8348.9	8279.4	8300.1	8278.2
10°	8283.1	8278.2	8196.5	8236.8	8241.6
12.5°	8200.1	8185.5	8112.4	8173.4	8174.6
15°	8105.1	8073.4	8016.1	8086.8	8096.5
17.5°	7995.4	7953.9	7916.1	8007.5	7992.9
20°	7867.3	7818.6	7811.2	7911.2	7874.6
22.5°	7708.8	7671.1	7688.1	7783.2	7760.1
25°	7529.6	7496.7	7549.1	7618.6	7596.7
27.5°	7340.6	7321.2	7380.9	7434.6	7391.9
30°	7133.4	7122.4	7201.7	7245.6	7191.9
32.5°	6907.9	6911.5	6987.1	7046.8	6996.9
35°	6673.8	6689.6	6757.9	6829.9	6803.0
37.5°	6416.6	6451.9	6520.2	6601.8	6573.8
40°	6144.6	6195.9	6271.5	6370.2	6344.6
42.5°	5850.8	5915.5	6012.9	6122.7	6120.3
45°	5538.7	5628.9	5733.8	5880.1	5898.4
47.5°	5214.4	5315.6	5448.5	5643.5	5671.6
50°	4862.0	4988.9	5154.7	5388.8	5405.8
52.5°	4469.5	4642.6	4862.0	5086.4	5065.7
55°	4075.7	4272.0	4563.4	4746.2	4735.3
57.5°	3683.1	3903.8	4257.3	4387.8	4386.6
60°	3244.2	3523.4	3909.9	4008.7	3911.1
62.5°	2838.2	3138.2	3539.3	3467.3	3133.3
65°	2392.0	2766.3	3140.6	2650.5	2164.1
67.5°	1995.8	2386.0	2667.6	1815.4	1554.4
70°	1597.1	2027.5	2079.9	1347.2	1328.9
72.5°	1243.5	1701.9	1435.0	1153.3	1211.9
75°	941.2	1365.4	1004.6	1027.8	1094.8
77.5°	686.4	1048.5	781.5	901.0	955.9
80°	471.8	742.5	637.6	757.1	794.9
82.5°	296.3	490.1	510.9	609.6	648.6
85°	162.2	310.9	398.7	481.6	504.7
87.5°	67.1	187.8	304.8	371.8	391.4
90°	3.6	121.4	229.5	289.2	305.4
92.5°	9.3	101.9	205.4	260.2	276.9
95°	23.8	122.8	228.0	286.7	310.2
97.5°	136.6	202.3	283.2	332.6	352.0
100°	276.0	336.9	340.5	373.3	382.6
102.5°	443.0	457.7	395.8	381.3	380.1
105°	516.5	532.4	499.6	388.1	366.7



TEST NUMBER: P827777

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L930-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	420.0	434.2	451.3	447.7	435.6
115°	362.2	367.1	391.0	399.2	394.3
117.5°	312.1	312.9	334.4	340.1	341.0
120°	262.0	266.4	283.1	287.5	287.9
122.5°	218.3	224.8	242.3	245.9	246.3
125°	179.1	190.0	207.0	209.1	209.5
127.5°	155.3	160.9	177.1	180.8	180.4
130°	135.9	141.1	152.0	157.7	157.7
132.5°	123.4	127.8	135.5	141.1	141.9
135°	112.0	116.5	120.1	127.8	129.8
137.5°	105.2	106.8	110.0	116.9	118.9
140°	97.1	99.5	100.7	106.4	108.4
142.5°	90.2	93.0	93.4	98.7	99.9
145°	84.6	87.4	89.0	91.8	93.0
147.5°	81.7	83.3	85.0	85.0	87.0
150°	77.7	79.3	80.1	80.9	80.9
152.5°	74.4	75.3	76.9	76.9	77.7
155°	71.2	73.2	74.9	74.9	74.4
157.5°	68.8	70.8	71.6	72.4	72.4
160°	66.4	68.4	69.2	69.2	70.0
162.5°	66.0	66.8	66.8	67.6	67.6
165°	64.3	64.3	65.2	65.2	65.2
167.5°	62.7	63.9	63.5	63.5	64.3
170°	61.1	61.9	61.9	60.7	61.5
172.5°	60.3	60.3	61.1	59.9	59.9
175°	59.5	59.5	58.3	57.9	57.9
177.5°	59.9	59.5	58.3	57.1	55.9
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	517.7	535.7	534.2	437.3	380.7
110°	479.3	495.6	505.0	474.8	427.1



(END OF REPORT)