

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: P828077

Luminaire Tested: **OHBL-30SE-MCL-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828077
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-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

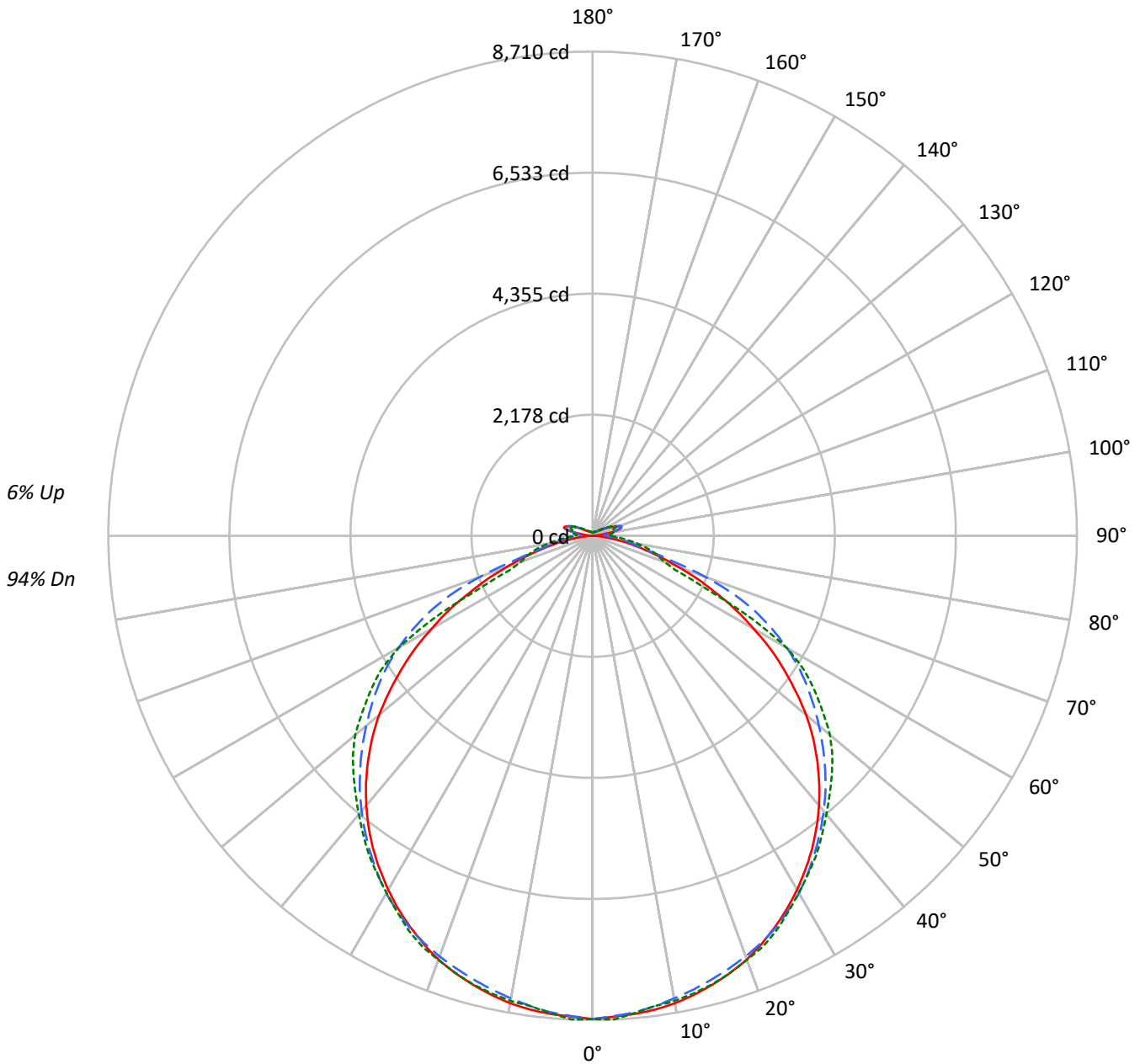
Lumens per Lamp: N/A
Luminaire Lumens: 25835.3 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
Input Voltage (V): NR
Input Current (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: P828077

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L935-CD-UPL15

Luminous Intensity Polar Plot





TEST NUMBER: P828077

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L935-CD-UPL15

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14847	14847	14847
5°	14678	14624	14724
10°	14553	14396	14622
15°	14389	14224	14587
20°	14224	14113	14523
25°	13977	14001	14462
30°	13712	13829	14260
35°	13407	13559	14186
40°	13030	13280	14063
45°	12538	12958	14068
50°	11900	12591	14069
55°	10948	12229	13676
60°	9738	11704	12796
65°	8206	10739	8238
70°	6450	8366	6102
75°	4663	4952	6396
80°	3053	4097	6448
85°	1529	3721	6780



TEST NUMBER: P828077

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L935-CD-UPL15

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.6	3.2
10°-20°	2350.3	9.1
20°-30°	3589.7	13.9
30°-40°	4355.5	16.9
40°-50°	4565.0	17.7
50°-60°	4136.6	16.0
60°-70°	2773.4	10.7
70°-80°	1245.4	4.8
80°-90°	455.1	1.8
90°-100°	257.4	1.0
100°-110°	484.7	1.9
110°-120°	393.5	1.5
120°-130°	191.2	0.7
130°-140°	98.9	0.4
140°-150°	58.5	0.2
150°-160°	35.4	0.1
160°-170°	19.1	0.1
170°-180°	5.9	0.0
0°-30°	6759.6	26.2
0°-40°	11115.1	43.0
0°-60°	19816.7	76.7
0°-90°	24290.6	94.0
90°-120°	1135.6	4.4
90°-150°	1484.2	5.7
90°-180°	1545.0	6.0
0°-180°	25835.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8693	8693	8693	8693	8693	
5°	8636	8666	8606	8632	8621	821
15°	8356	8323	8264	8337	8347	2359
25°	7762	7729	7783	7854	7832	3578
35°	6880	6896	6967	7041	7013	4300
45°	5710	5803	5911	6062	6081	4399
55°	4202	4404	4704	4893	4882	3751
65°	2466	2852	3238	2732	2231	2457
75°	970	1408	1036	1060	1129	1060
85°	167	320	411	496	520	204
90°	4	125	237	298	315	12
95°	25	127	235	296	320	85
105°	532	549	515	400	378	505
115°	373	378	403	412	406	376
125°	185	196	213	216	216	175
135°	116	120	124	132	134	92
145°	87	90	92	95	96	56
155°	73	76	77	77	77	34
165°	66	66	67	67	67	19
175°	61	61	60	60	60	6
180°	60	60	60	60	60	



TEST NUMBER: P828077

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L935-CD-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8692.6	8692.6	8692.6	8692.6	8692.6
2.5°	8657.4	8693.8	8648.6	8697.6	8710.2
5°	8636.0	8666.2	8605.8	8632.3	8620.9
7.5°	8597.1	8607.1	8535.5	8556.8	8534.2
10°	8539.2	8534.2	8450.0	8491.5	8496.5
12.5°	8453.8	8438.7	8363.2	8426.2	8427.4
15°	8355.8	8323.1	8264.0	8336.9	8346.9
17.5°	8242.7	8199.9	8160.9	8255.2	8240.1
20°	8110.7	8060.4	8052.8	8155.9	8118.2
22.5°	7947.3	7908.3	7925.9	8023.9	8000.1
25°	7762.5	7728.6	7782.6	7854.3	7831.7
27.5°	7567.7	7547.6	7609.2	7664.5	7620.5
30°	7354.0	7342.7	7424.4	7469.7	7414.3
32.5°	7121.5	7125.2	7203.2	7264.8	7213.2
35°	6880.2	6896.5	6966.9	7041.1	7013.4
37.5°	6615.0	6651.4	6721.8	6806.0	6777.1
40°	6334.7	6387.5	6465.4	6567.2	6540.8
42.5°	6031.8	6098.4	6198.9	6312.1	6309.6
45°	5710.0	5803.0	5911.1	6061.9	6080.8
47.5°	5375.7	5480.0	5617.0	5818.1	5847.0
50°	5012.4	5143.2	5314.1	5555.4	5573.0
52.5°	4607.8	4786.2	5012.4	5243.8	5222.3
55°	4201.8	4404.1	4704.5	4893.0	4881.8
57.5°	3797.0	4024.5	4389.0	4523.5	4522.2
60°	3344.6	3632.4	4030.8	4132.7	4032.1
62.5°	2926.0	3235.3	3648.8	3574.6	3230.2
65°	2466.0	2851.8	3237.8	2732.5	2231.0
67.5°	2057.5	2459.8	2750.1	1871.5	1602.5
70°	1646.5	2090.2	2144.2	1388.8	1370.0
72.5°	1282.0	1754.6	1479.3	1189.0	1249.3
75°	970.3	1407.7	1035.7	1059.6	1128.7
77.5°	707.6	1080.9	805.7	928.8	985.4
80°	486.4	765.4	657.3	780.5	819.5
82.5°	305.4	505.2	526.7	628.4	668.7
85°	167.2	320.5	411.0	496.5	520.3
87.5°	69.2	193.6	314.3	383.3	403.5
90°	3.8	125.2	236.6	298.2	314.8
92.5°	9.6	105.0	211.8	268.2	285.4
95°	24.6	126.6	235.0	295.6	319.8
97.5°	140.8	208.6	291.9	342.9	362.9
100°	284.6	347.3	351.0	384.8	394.4
102.5°	456.7	471.8	408.0	393.1	391.8
105°	532.5	548.9	515.0	400.1	378.0



TEST NUMBER: P828077

CATALOG NUMBER: OHBL-30SE-MCL-UNV-L935-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	433.0	447.6	465.2	461.6	449.1
115°	373.4	378.4	403.1	411.5	406.5
117.5°	321.8	322.6	344.8	350.7	351.5
120°	270.1	274.7	291.8	296.4	296.8
122.5°	225.1	231.8	249.8	253.5	253.9
125°	184.7	195.9	213.4	215.6	216.0
127.5°	160.1	165.9	182.6	186.4	186.0
130°	140.1	145.5	156.8	162.6	162.6
132.5°	127.2	131.8	139.7	145.5	146.3
135°	115.5	120.1	123.8	131.8	133.8
137.5°	108.4	110.1	113.4	120.5	122.6
140°	100.1	102.6	103.8	109.7	111.8
142.5°	93.0	95.9	96.3	101.8	103.0
145°	87.2	90.1	91.8	94.7	95.9
147.5°	84.2	85.9	87.6	87.6	89.7
150°	80.1	81.8	82.6	83.4	83.4
152.5°	76.8	77.6	79.2	79.2	80.1
155°	73.4	75.5	77.2	77.2	76.8
157.5°	70.9	73.0	73.8	74.7	74.7
160°	68.4	70.5	71.3	71.3	72.2
162.5°	68.0	68.8	68.8	69.7	69.7
165°	66.3	66.3	67.2	67.2	67.2
167.5°	64.7	65.9	65.5	65.5	66.3
170°	63.0	63.8	63.8	62.6	63.4
172.5°	62.2	62.2	63.0	61.8	61.8
175°	61.3	61.3	60.1	59.7	59.7
177.5°	61.8	61.3	60.1	58.8	57.6
180°	60.1	60.1	60.1	60.1	60.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	533.8	552.3	550.8	450.8	392.5
110°	494.2	510.9	520.7	489.5	440.3



(END OF REPORT)