

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: P828122

Luminaire Tested: **OHBL-48SE-W-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828122
REPORT IS A COMBINATION OF REPORTS P826262 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-48SE-W-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

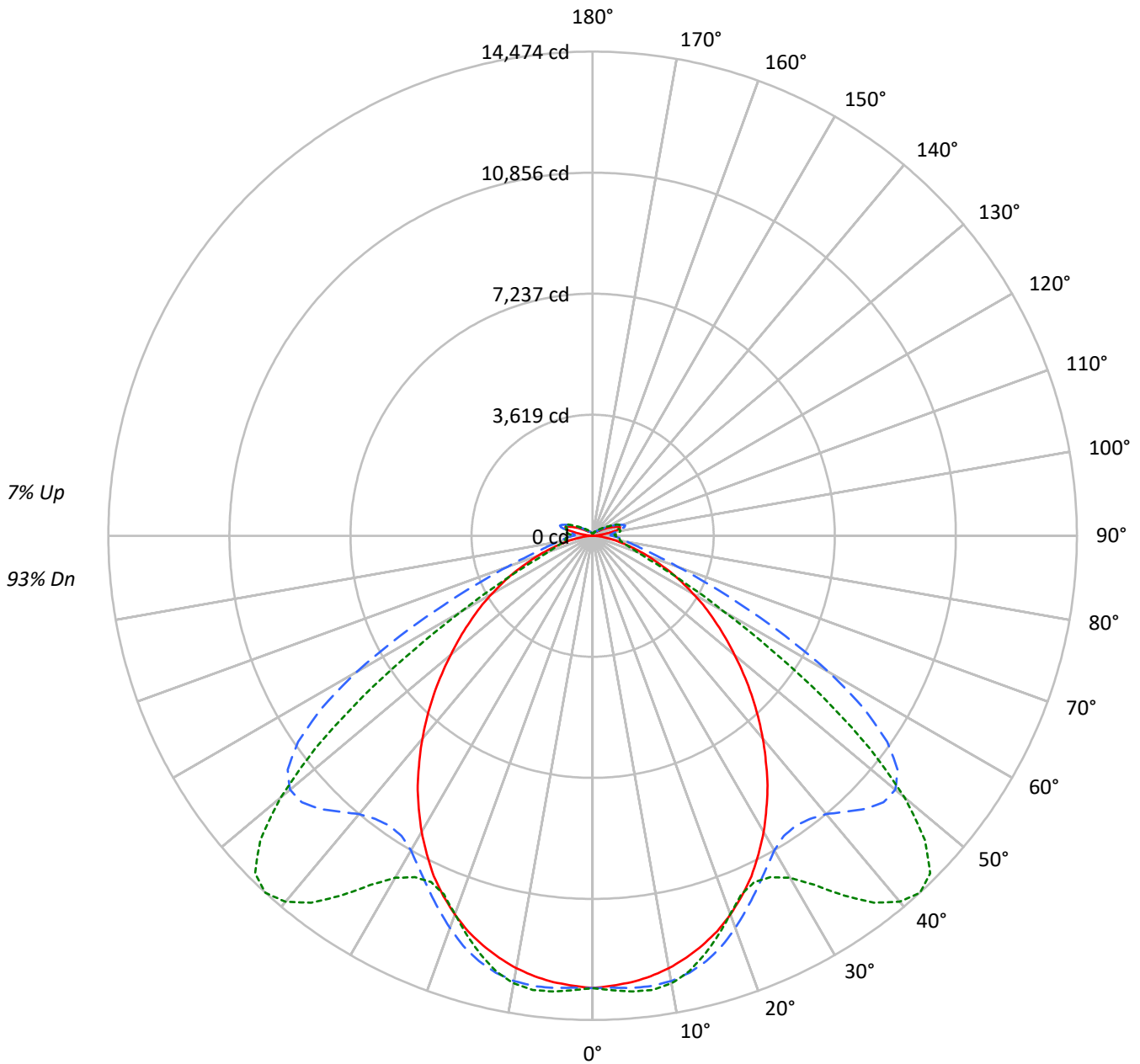
Lumens per Lamp: N/A
Luminaire Lumens: 42499.4 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 306.2
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: P828122

CATALOG NUMBER: OHBL-48SE-W-UNV-L935-CD-UPL24

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	87	77	70	64	73	67	62	70	65	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	46	56	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	44	38	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	31	25	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23093	23093	23093
5°	22767	23060	23356
10°	22371	23025	23384
15°	21827	22644	22634
20°	21123	21866	21525
25°	20222	20924	21094
30°	19063	20223	22699
35°	17763	20597	26562
40°	16279	22307	30707
45°	14739	25303	33007
50°	13145	27978	30716
55°	11644	27943	23469
60°	10124	23639	14349
65°	8533	16321	8692
70°	6765	10550	6276
75°	4963	7559	5819
80°	3350	6638	6564
85°	2001	7289	10376



TEST NUMBER: P828122

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1292.0	3.0
10°-20°	3658.6	8.6
20°-30°	5353.8	12.6
30°-40°	6953.0	16.4
40°-50°	8490.5	20.0
50°-60°	7477.2	17.6
60°-70°	3896.4	9.2
70°-80°	1670.9	3.9
80°-90°	807.6	1.9
90°-100°	570.2	1.3
100°-110°	905.1	2.1
110°-120°	713.9	1.7
120°-130°	351.3	0.8
130°-140°	175.9	0.4
140°-150°	98.2	0.2
150°-160°	53.0	0.1
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	10304.5	24.2
0°-40°	17257.5	40.6
0°-60°	33225.2	78.2
0°-90°	39600.1	93.2
90°-120°	2189.2	5.2
90°-150°	2814.7	6.6
90°-180°	2899.0	6.8
0°-180°	42499.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13520	13520	13520	13520	13520	
5°	13395	13497	13570	13690	13675	###
15°	12674	13030	13156	13057	12952	3569
25°	11231	11831	11630	11411	11423	5154
35°	9116	10078	10583	12342	13132	5682
45°	6712	8445	11543	13976	14267	5176
55°	4469	7398	10749	9425	8378	4011
65°	2564	5125	4921	2736	2354	2537
75°	1033	2398	1581	1082	1027	1126
85°	219	855	805	788	796	244
90°	7	338	570	658	679	18
95°	50	273	566	686	726	142
105°	848	929	978	830	795	805
115°	594	641	752	788	789	600
125°	302	326	402	430	430	282
135°	184	188	222	256	261	145
145°	144	142	147	165	172	91
155°	120	122	118	118	118	52
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



TEST NUMBER: P828122

CATALOG NUMBER: OHBL-48SE-W-UNV-L935-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13520.4	13520.4	13520.4	13520.4	13520.4
2.5°	13462.1	13520.4	13523.3	13605.0	13596.2
5°	13395.0	13497.1	13570.0	13689.6	13675.0
7.5°	13284.2	13444.6	13572.9	13704.2	13692.5
10°	13126.6	13345.4	13514.6	13622.5	13587.5
12.5°	12922.4	13211.2	13377.5	13400.8	13333.8
15°	12674.5	13030.3	13155.8	13056.6	12951.6
17.5°	12394.4	12811.6	12855.3	12639.5	12508.2
20°	12044.4	12519.9	12476.1	12178.6	12032.8
22.5°	11656.4	12199.0	12059.0	11746.8	11606.8
25°	11230.6	11831.4	11630.2	11411.4	11423.1
27.5°	10731.8	11414.3	11218.9	11318.1	11504.8
30°	10224.2	10976.8	10857.2	11434.8	11802.3
32.5°	9667.0	10527.6	10635.5	11776.0	12376.9
35°	9115.7	10078.3	10583.0	12341.9	13132.4
37.5°	8506.1	9623.2	10667.6	12995.3	13823.8
40°	7913.9	9179.9	10860.1	13581.7	14281.8
42.5°	7310.1	8783.2	11183.9	13928.8	14474.2
45°	6712.1	8444.8	11542.7	13975.5	14267.2
47.5°	6114.1	8158.9	11790.6	13605.0	13470.8
50°	5536.5	7905.2	11808.1	12715.3	12166.9
52.5°	4996.8	7671.8	11487.3	11297.7	10445.8
55°	4468.9	7397.6	10749.2	9424.9	8377.7
57.5°	3987.6	7018.3	9611.6	7412.2	6268.7
60°	3477.1	6505.0	8141.4	5422.8	4521.4
62.5°	3007.4	5866.2	6493.3	3774.7	3249.6
65°	2564.1	5125.2	4921.0	2736.2	2354.0
67.5°	2094.4	4358.0	3631.7	1995.3	1750.3
70°	1726.9	3646.2	2704.1	1551.8	1408.9
72.5°	1350.6	2969.5	2021.5	1260.2	1181.4
75°	1032.7	2397.8	1581.0	1082.2	1026.8
77.5°	761.3	1896.1	1271.8	956.8	904.2
80°	533.8	1493.5	1064.8	854.7	834.2
82.5°	358.8	1155.2	907.2	813.8	816.8
85°	218.8	854.7	805.1	787.6	796.3
87.5°	105.0	606.8	691.3	717.6	726.3
90°	7.1	337.5	570.1	658.4	678.8
92.5°	14.2	273.8	526.8	627.6	653.0
95°	50.0	273.3	566.3	685.9	725.5
97.5°	230.0	391.2	640.1	770.9	807.2
100°	468.8	616.7	732.6	828.0	844.2
102.5°	719.6	820.4	818.3	829.2	828.4
105°	847.5	928.8	977.5	830.4	795.4



TEST NUMBER: P828122

CATALOG NUMBER: OHBL-48SE-W-UNV-L935-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	690.8	753.3	862.5	884.2	863.3
115°	594.2	640.8	751.7	787.9	788.8
117.5°	513.8	546.7	646.2	680.4	684.2
120°	428.8	461.2	553.3	584.2	582.1
122.5°	362.9	387.5	471.2	501.7	499.6
125°	302.1	325.8	401.7	430.0	430.4
127.5°	255.8	269.6	342.1	372.1	374.2
130°	225.0	231.7	292.5	322.5	329.2
132.5°	201.7	207.5	254.2	286.7	291.7
135°	184.2	187.5	222.5	256.2	260.8
137.5°	170.0	172.5	197.9	229.6	235.4
140°	157.5	160.8	176.7	207.5	211.2
142.5°	149.6	150.0	162.1	187.1	190.0
145°	144.2	141.7	147.1	165.4	172.1
147.5°	136.7	137.1	138.8	152.1	155.0
150°	130.8	132.5	129.2	135.8	142.5
152.5°	125.0	126.7	123.3	124.2	130.0
155°	120.0	121.7	117.5	118.3	118.3
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	853.8	932.9	1022.5	902.1	806.2
110°	788.8	860.4	960.0	942.5	866.7



(END OF REPORT)