

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: P828047

Luminaire Tested: **OHBL-24SE-A-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828047
REPORT IS A COMBINATION OF REPORTS P826305 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-A-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

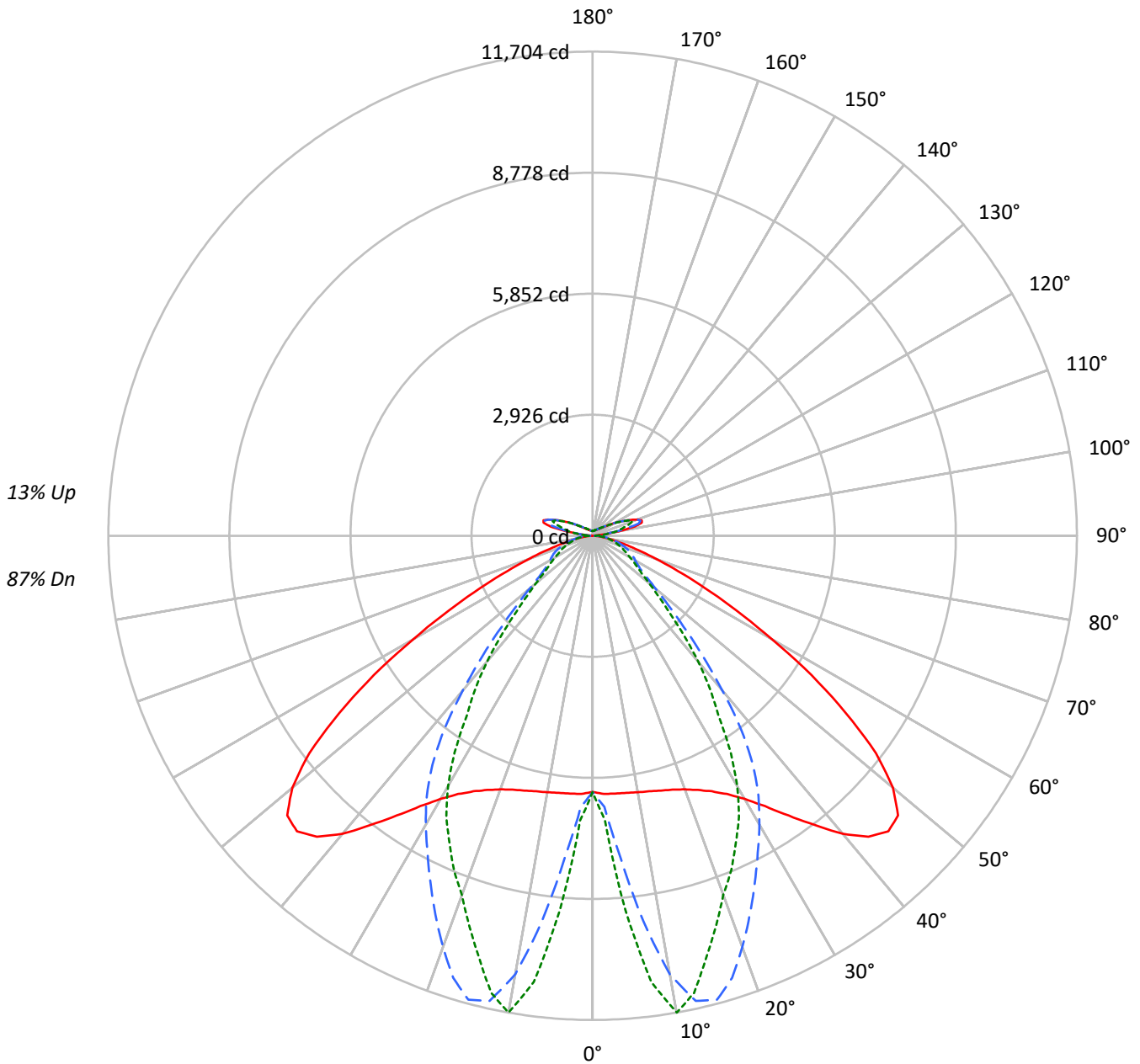
Lumens per Lamp: N/A
Luminaire Lumens: 22860.1 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 166.8
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

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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	90	90	90	87																			
1	107	103	100	97	104	100	97	94	93	91	89	87	85	84	82	80	79	76																			
2	99	92	87	82	96	89	84	80	84	80	76	79	75	72	74	71	69	66																			
3	92	83	76	70	88	80	74	69	76	70	66	71	67	63	67	64	61	58																			
4	85	75	67	61	82	72	65	60	68	63	58	65	60	56	61	57	54	51																			
5	79	67	60	54	76	66	58	53	62	56	51	59	54	50	56	52	48	46																			
6	73	61	54	48	71	60	52	47	57	50	46	54	49	44	51	47	43	41																			
7	68	56	48	43	66	55	47	42	52	46	41	50	44	40	47	43	39	37																			
8	64	52	44	39	62	50	43	38	48	42	37	46	40	36	44	39	35	33																			
9	60	48	40	35	58	47	40	35	44	38	34	43	37	33	41	36	32	31																			
10	56	44	37	32	54	43	36	32	41	35	31	40	34	30	38	33	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10579	10579	10579
5°	10633	13305	15507
10°	10727	18343	20142
15°	10983	19982	18487
20°	11437	18541	16522
25°	12271	16674	15112
30°	13683	15014	13438
35°	16086	13141	10708
40°	19342	10007	8522
45°	22186	6818	6066
50°	22493	4677	4486
55°	19470	3680	3665
60°	14543	3444	3297
65°	9968	3455	3123
70°	6374	3333	3025
75°	3833	3084	2895
80°	2255	2710	2986
85°	1086	2328	2769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.6	3.5
10°-20°	2853.9	12.5
20°-30°	4205.3	18.4
30°-40°	4419.1	19.3
40°-50°	3381.5	14.8
50°-60°	2041.9	8.9
60°-70°	1246.0	5.5
70°-80°	680.1	3.0
80°-90°	245.1	1.1
90°-100°	229.3	1.0
100°-110°	1038.4	4.5
110°-120°	859.4	3.8
120°-130°	406.7	1.8
130°-140°	205.9	0.9
140°-150°	120.4	0.5
150°-160°	70.6	0.3
160°-170°	36.7	0.2
170°-180°	11.2	0.0
0°-30°	7867.8	34.4
0°-40°	12286.9	53.7
0°-60°	17710.2	77.5
0°-90°	19881.5	87.0
90°-120°	2127.1	9.3
90°-150°	2860.1	12.5
90°-180°	2979.0	13.0
0°-180°	22860.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6194	6194	6194	6194	6194	
5°	6256	6712	7829	8742	9080	598
15°	6378	9933	11609	10833	10578	1813
25°	6815	11528	9268	8391	8184	3185
35°	8255	9232	6752	5623	5294	5237
45°	10104	5268	3110	2737	2622	7634
55°	7472	1786	1416	1312	1308	6603
65°	2996	1131	1042	891	846	3069
75°	798	703	645	532	511	918
85°	119	218	257	234	212	147
90°	7	41	52	60	61	11
95°	52	103	138	175	188	192
105°	1231	1228	1155	859	776	1170
115°	858	847	853	859	851	868
125°	422	438	448	440	432	398
135°	250	256	262	265	266	198
145°	182	186	190	192	193	116
155°	147	149	152	153	153	69
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6193.6	6193.6	6193.6	6193.6	6193.6
2.5°	6244.3	6308.1	6559.3	6820.1	6883.6
5°	6255.8	6711.5	7829.3	8742.2	9079.5
7.5°	6269.0	7365.1	9403.0	10520.6	10878.3
10°	6294.3	8191.7	10766.5	11568.9	11704.1
12.5°	6325.6	9067.3	11516.8	11487.6	11317.1
15°	6377.7	9933.4	11609.2	10833.2	10578.5
17.5°	6432.3	10666.2	11206.1	10120.9	9899.1
20°	6521.3	11210.1	10579.0	9487.8	9235.7
22.5°	6649.6	11509.2	9921.4	8915.1	8750.7
25°	6815.1	11528.5	9268.3	8391.1	8183.9
27.5°	7036.8	11261.1	8642.3	7877.7	7658.8
30°	7338.6	10749.0	8060.7	7258.6	6987.2
32.5°	7748.3	10012.0	7461.0	6511.2	6206.8
35°	8255.1	9232.3	6752.2	5623.1	5294.3
37.5°	8808.1	8366.4	5891.9	4836.7	4645.2
40°	9403.0	7474.3	4872.2	4100.8	3963.7
42.5°	9867.3	6504.3	3925.2	3407.8	3262.0
45°	10103.9	5268.0	3110.3	2736.9	2621.9
47.5°	10011.8	4089.3	2465.8	2174.7	2140.2
50°	9473.9	3019.5	1973.8	1791.4	1777.1
52.5°	8633.1	2250.6	1630.5	1517.6	1492.9
55°	7472.2	1786.3	1415.8	1312.2	1308.3
57.5°	6273.5	1517.6	1285.2	1205.0	1177.1
60°	4995.0	1353.2	1186.2	1095.6	1039.0
62.5°	3915.3	1238.2	1113.3	990.4	937.5
65°	2995.6	1130.9	1041.7	891.3	845.9
67.5°	2233.1	1028.7	954.0	787.3	760.7
70°	1627.0	923.8	854.2	700.1	679.1
72.5°	1159.6	819.1	754.2	618.3	595.2
75°	797.6	703.2	645.1	532.3	510.8
77.5°	538.1	585.1	537.6	454.4	445.4
80°	359.3	464.0	434.8	385.1	379.5
82.5°	218.1	336.8	343.2	313.2	298.0
85°	118.8	218.1	257.1	234.3	212.5
87.5°	46.5	120.8	177.2	159.1	149.8
90°	6.7	40.8	52.5	60.0	60.8
92.5°	20.8	50.0	64.2	80.0	85.0
95°	51.7	103.3	137.5	175.0	188.3
97.5°	311.7	335.0	290.8	347.5	367.5
100°	669.2	686.7	532.5	536.7	553.3
102.5°	1048.3	1062.5	840.0	695.0	670.0
105°	1230.8	1228.3	1155.0	859.2	775.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1008.3	1010.8	1001.7	998.3	971.7
115°	858.3	846.7	853.3	859.2	850.8
117.5°	734.2	725.8	732.5	729.2	720.0
120°	617.5	617.5	625.8	614.2	607.5
122.5°	511.7	523.3	529.2	520.8	510.0
125°	422.5	437.5	447.5	440.0	431.7
127.5°	362.5	367.5	379.2	375.0	375.0
130°	311.7	318.3	327.5	329.2	327.5
132.5°	276.7	283.3	291.7	294.2	296.7
135°	250.0	255.8	262.5	265.0	265.8
137.5°	228.3	233.3	238.3	242.5	243.3
140°	210.0	215.0	220.0	223.3	223.3
142.5°	195.0	200.0	204.2	206.7	206.7
145°	181.7	185.8	190.0	192.5	193.3
147.5°	171.7	175.0	179.2	180.0	180.8
150°	162.5	165.0	168.3	170.0	170.8
152.5°	154.2	156.7	160.0	160.8	161.7
155°	146.7	149.2	151.7	153.3	153.3
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1242.5	1245.0	1215.0	1070.0	925.0
110°	1146.7	1157.5	1138.3	1090.8	1025.0



(END OF REPORT)