

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: P826622

Luminaire Tested: **OHBL-48SE-W-UNV-L830-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826622
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-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

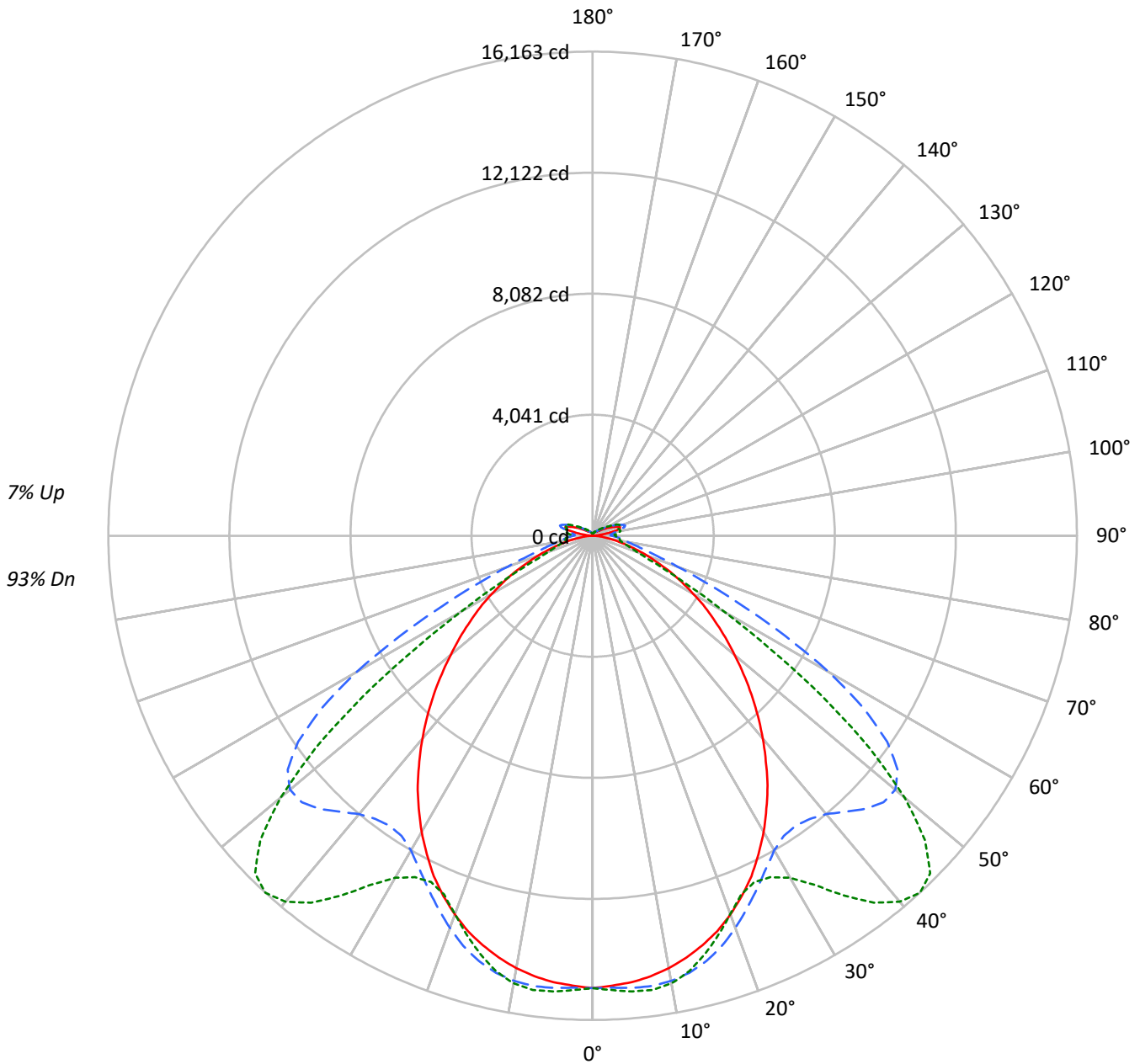
Lumens per Lamp: N/A
Luminaire Lumens: 47457.6 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 306.2
Input Voltage (V): NR
Input Current (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

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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	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°	25787	25787	25787
5°	25423	25751	26081
10°	24981	25711	26112
15°	24373	25286	25275
20°	23587	24417	24037
25°	22581	23365	23555
30°	21288	22582	25347
35°	19835	23000	29661
40°	18178	24909	34290
45°	16458	28255	36858
50°	14678	31243	34299
55°	13003	31203	26207
60°	11305	26397	16023
65°	9528	18226	9706
70°	7554	11781	7008
75°	5541	8440	6498
80°	3741	7412	7330
85°	2234	8139	11587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1442.8	3.0
10°-20°	4085.5	8.6
20°-30°	5978.4	12.6
30°-40°	7764.2	16.4
40°-50°	9481.1	20.0
50°-60°	8349.5	17.6
60°-70°	4351.0	9.2
70°-80°	1865.9	3.9
80°-90°	901.8	1.9
90°-100°	636.7	1.3
100°-110°	1010.7	2.1
110°-120°	797.2	1.7
120°-130°	392.3	0.8
130°-140°	196.4	0.4
140°-150°	109.7	0.2
150°-160°	59.2	0.1
160°-170°	27.0	0.1
170°-180°	8.2	0.0
0°-30°	11506.6	24.2
0°-40°	19270.8	40.6
0°-60°	37101.5	78.2
0°-90°	44220.1	93.2
90°-120°	2444.6	5.2
90°-150°	3143.0	6.6
90°-180°	3237.0	6.8
0°-180°	47457.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15098	15098	15098	15098	15098	
5°	14958	15072	15153	15287	15270	###
15°	14153	14550	14691	14580	14463	3985
25°	12541	13212	12987	12743	12756	5755
35°	10179	11254	11818	13782	14664	6345
45°	7495	9430	12889	15606	15932	5779
55°	4990	8261	12003	10524	9355	4479
65°	2863	5723	5495	3055	2629	2833
75°	1153	2678	1765	1208	1147	1257
85°	244	954	899	880	889	272
90°	8	377	637	735	758	20
95°	56	305	632	766	810	158
105°	946	1037	1092	927	888	899
115°	664	716	839	880	881	670
125°	337	364	448	480	481	314
135°	206	209	248	286	291	162
145°	161	158	164	185	192	101
155°	134	136	131	132	132	59
165°	93	94	95	95	95	27
175°	84	85	85	86	86	8
180°	84	84	84	84	84	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15097.8	15097.8	15097.8	15097.8	15097.8
2.5°	15032.7	15097.8	15101.1	15192.2	15182.5
5°	14957.8	15071.7	15153.2	15286.7	15270.4
7.5°	14834.0	15013.1	15156.4	15303.0	15290.0
10°	14658.0	14902.4	15091.3	15211.8	15172.7
12.5°	14430.0	14752.6	14938.2	14964.3	14889.4
15°	14153.2	14550.5	14690.6	14579.9	14462.6
17.5°	13840.4	14306.3	14355.1	14114.1	13967.5
20°	13449.6	13980.6	13931.6	13599.4	13436.6
22.5°	13016.3	13622.2	13465.9	13117.3	12961.0
25°	12540.8	13211.7	12987.0	12742.7	12755.8
27.5°	11983.8	12746.0	12527.8	12638.5	12847.0
30°	11417.0	12257.4	12123.8	12768.8	13179.2
32.5°	10794.8	11755.8	11876.3	13149.9	13820.9
35°	10179.2	11254.1	11817.7	13781.8	14664.5
37.5°	9498.5	10746.0	11912.1	14511.5	15436.5
40°	8837.2	10250.9	12127.1	15166.2	15948.0
42.5°	8162.9	9807.9	12488.7	15553.9	16162.9
45°	7495.2	9430.0	12889.3	15606.0	15931.7
47.5°	6827.4	9110.8	13166.2	15192.2	15042.4
50°	6182.4	8827.4	13185.7	14198.8	13586.4
52.5°	5579.8	8566.8	12827.4	12615.7	11664.5
55°	4990.3	8260.6	12003.3	10524.5	9355.1
57.5°	4452.8	7837.1	10732.9	8276.9	7000.0
60°	3882.7	7263.9	9091.2	6055.4	5048.9
62.5°	3358.3	6550.6	7250.9	4215.0	3628.7
65°	2863.2	5723.2	5495.1	3055.4	2628.6
67.5°	2338.8	4866.4	4055.4	2228.0	1954.4
70°	1928.4	4071.6	3019.6	1732.9	1573.3
72.5°	1508.2	3315.9	2257.3	1407.2	1319.2
75°	1153.1	2677.6	1765.4	1208.5	1146.6
77.5°	850.2	2117.3	1420.2	1068.4	1009.7
80°	596.1	1667.7	1189.0	954.4	931.6
82.5°	400.7	1289.9	1013.0	908.8	912.0
85°	244.3	954.4	899.0	879.5	889.2
87.5°	117.2	677.5	772.0	801.3	811.1
90°	7.9	376.9	636.6	735.2	758.0
92.5°	15.8	305.7	588.2	700.8	729.2
95°	55.8	305.2	632.4	765.9	810.1
97.5°	256.8	436.9	714.8	860.9	901.3
100°	523.4	688.6	818.1	924.6	942.7
102.5°	803.5	916.1	913.8	926.0	925.1
105°	946.4	1037.1	1091.5	927.3	888.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	771.4	841.2	963.1	987.3	964.1
115°	663.5	715.6	839.4	879.8	880.8
117.5°	573.7	610.4	721.6	759.8	764.0
120°	478.8	515.1	617.9	652.3	650.0
122.5°	405.3	432.7	526.2	560.2	557.9
125°	337.3	363.8	448.5	480.2	480.6
127.5°	285.7	301.0	382.0	415.5	417.8
130°	251.2	258.7	326.6	360.1	367.6
132.5°	225.2	231.7	283.8	320.1	325.7
135°	205.7	209.4	248.5	286.1	291.3
137.5°	189.8	192.6	221.0	256.4	262.9
140°	175.9	179.6	197.3	231.7	235.9
142.5°	167.0	167.5	181.0	208.9	212.2
145°	161.0	158.2	164.2	184.7	192.2
147.5°	152.6	153.1	154.9	169.8	173.1
150°	146.1	148.0	144.2	151.7	159.1
152.5°	139.6	141.4	137.7	138.7	145.2
155°	134.0	135.9	131.2	132.1	132.1
157.5°	103.3	105.2	107.0	107.9	107.9
160°	99.6	100.5	102.4	103.3	103.3
162.5°	95.8	96.8	97.7	98.6	98.6
165°	93.1	94.0	94.9	94.9	94.9
167.5°	90.3	90.3	91.2	92.1	92.1
170°	87.5	88.4	88.4	89.3	89.3
172.5°	85.6	86.5	86.5	86.5	87.5
175°	83.8	84.7	84.7	85.6	85.6
177.5°	83.8	83.8	83.8	83.8	83.8
180°	83.8	83.8	83.8	83.8	83.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	953.4	1041.8	1141.8	1007.3	900.3
110°	880.8	960.8	1072.0	1052.5	967.8



(END OF REPORT)