

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: P830583

Luminaire Tested: **OHBL-48SE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-48SE-W-UNV-L730-CD
Description: 48000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

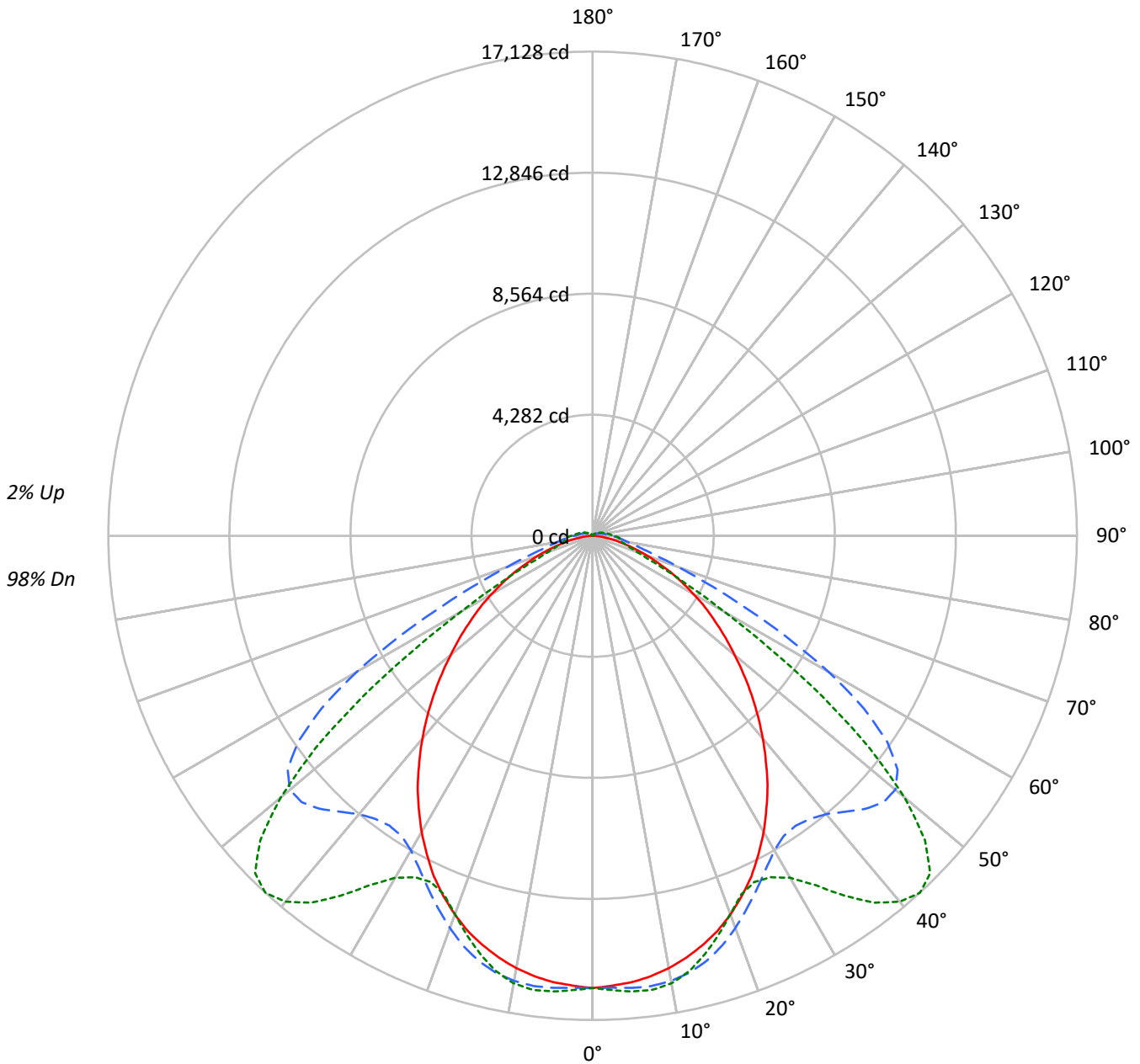
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47904.0 lumens
Efficiency: N/A
Efficacy: 165.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 288.8
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27326	27326	27326
5°	27072	27288	27504
10°	26732	27246	27402
15°	26210	26796	26393
20°	25496	25874	24971
25°	24540	24759	24339
30°	23269	23930	26040
35°	21818	24373	30281
40°	20135	26396	34763
45°	18375	29941	37072
50°	16539	33108	34182
55°	14814	33065	25831
60°	13058	27973	15578
65°	11203	19314	9270
70°	9102	12484	6531
75°	6924	8945	5839
80°	4971	7854	6196
85°	3374	8625	8616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1528.9	3.2
10°-20°	4329.4	9.0
20°-30°	6335.3	13.2
30°-40°	8227.7	17.2
40°-50°	10047.0	21.0
50°-60°	8848.0	18.5
60°-70°	4610.7	9.6
70°-80°	1977.3	4.1
80°-90°	949.6	2.0
90°-100°	446.1	0.9
100°-110°	277.3	0.6
110°-120°	163.9	0.3
120°-130°	89.1	0.2
130°-140°	44.7	0.1
140°-150°	21.5	0.0
150°-160°	7.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12193.5	25.5
0°-40°	20421.2	42.6
0°-60°	39316.2	82.1
0°-90°	46853.8	97.8
90°-120°	887.3	1.9
90°-150°	1042.7	2.2
90°-180°	1050.0	2.2
0°-180°	47904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15999	15999	15999	15999	15999	
5°	15851	15971	16058	16199	16182	###
15°	14998	15419	15568	15450	15326	4223
25°	13289	14000	13762	13503	13517	6099
35°	10787	11926	12523	14604	15540	6723
45°	7943	9993	13659	16538	16883	6124
55°	5288	8754	12720	11153	9914	4746
65°	3034	6065	5823	3238	2786	3002
75°	1222	2837	1871	1281	1215	1332
85°	259	1011	953	932	942	289
90°	4	366	628	718	735	18
95°	7	214	500	587	604	5
105°	14	121	324	390	397	15
115°	21	69	200	245	252	21
125°	24	34	117	152	155	21
135°	21	21	55	93	97	16
145°	28	21	24	45	52	16
155°	28	28	21	21	21	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15999.1	15999.1	15999.1	15999.1	15999.1
2.5°	15930.0	15999.1	16002.5	16099.2	16088.8
5°	15850.6	15971.4	16057.7	16199.3	16182.0
7.5°	15719.5	15909.3	16061.2	16216.5	16202.7
10°	15533.1	15792.0	15992.2	16119.9	16078.5
12.5°	15291.4	15633.2	15829.9	15857.5	15778.1
15°	14998.0	15419.2	15567.6	15450.2	15326.0
17.5°	14666.7	15160.3	15212.1	14956.6	14801.3
20°	14252.5	14815.1	14763.3	14411.2	14238.6
22.5°	13793.4	14435.4	14269.7	13900.4	13734.7
25°	13289.4	14000.5	13762.3	13503.4	13517.2
27.5°	12699.1	13506.9	13275.6	13393.0	13613.9
30°	12098.5	12989.1	12847.6	13531.0	13966.0
32.5°	11439.2	12457.5	12585.2	13934.9	14646.0
35°	10786.9	11925.9	12523.1	14604.5	15540.0
37.5°	10065.4	11387.5	12623.2	15377.7	16358.0
40°	9364.7	10862.8	12851.0	16071.5	16900.0
42.5°	8650.2	10393.3	13234.2	16482.3	17127.8
45°	7942.6	9992.9	13658.7	16537.5	16882.7
47.5°	7235.0	9654.7	13952.1	16099.2	15940.4
50°	6551.5	9354.4	13972.9	15046.4	14397.4
52.5°	5912.9	9078.2	13593.2	13368.8	12360.9
55°	5288.1	8753.7	12719.9	11152.7	9913.5
57.5°	4718.6	8305.0	11373.7	8771.0	7417.9
60°	4114.5	7697.5	9634.0	6416.9	5350.3
62.5°	3558.8	6941.6	7683.7	4466.6	3845.3
65°	3034.1	6064.8	5823.2	3237.8	2785.6
67.5°	2478.4	5157.0	4297.5	2361.0	2071.1
70°	2043.5	4314.7	3199.8	1836.4	1667.2
72.5°	1598.2	3513.9	2392.1	1491.2	1398.0
75°	1221.9	2837.4	1870.9	1280.6	1215.0
77.5°	900.9	2243.7	1505.0	1132.2	1070.1
80°	631.7	1767.3	1259.9	1011.4	987.2
82.5°	424.6	1366.9	1073.5	963.1	966.5
85°	258.9	1011.4	952.7	932.0	942.3
87.5°	124.3	718.0	818.1	849.1	859.5
90°	3.5	365.9	628.2	718.0	735.2
92.5°	0.0	279.6	552.3	642.0	659.3
95°	6.9	214.0	500.5	586.8	604.1
97.5°	6.9	176.0	448.7	538.5	548.8
100°	10.4	151.9	400.4	486.7	497.1
102.5°	10.4	134.6	359.0	434.9	441.8
105°	13.8	120.8	324.5	390.1	397.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.7	82.8	227.8	276.1	283.0
115°	20.7	69.0	200.2	245.1	252.0
117.5°	24.2	62.1	176.0	217.5	220.9
120°	24.2	51.8	151.9	193.3	196.8
122.5°	24.2	41.4	134.6	172.6	176.0
125°	24.2	34.5	117.4	151.9	155.3
127.5°	20.7	24.2	100.1	134.6	138.1
130°	20.7	20.7	82.8	117.4	124.3
132.5°	20.7	20.7	69.0	103.6	110.5
135°	20.7	20.7	55.2	93.2	96.7
137.5°	20.7	20.7	44.9	79.4	86.3
140°	20.7	20.7	34.5	69.0	72.5
142.5°	24.2	20.7	31.1	58.7	62.1
145°	27.6	20.7	24.2	44.9	51.8
147.5°	27.6	24.2	24.2	38.0	41.4
150°	27.6	27.6	20.7	27.6	34.5
152.5°	27.6	27.6	20.7	20.7	27.6
155°	27.6	27.6	20.7	20.7	20.7
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	17.3	107.0	290.0	348.6	355.5
110°	17.3	93.2	255.4	310.7	317.6



(END OF REPORT)