

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: P828361

Luminaire Tested: **OHBL-24SE-W-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828361
REPORT IS A COMBINATION OF REPORTS P826250 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-24SE-W-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

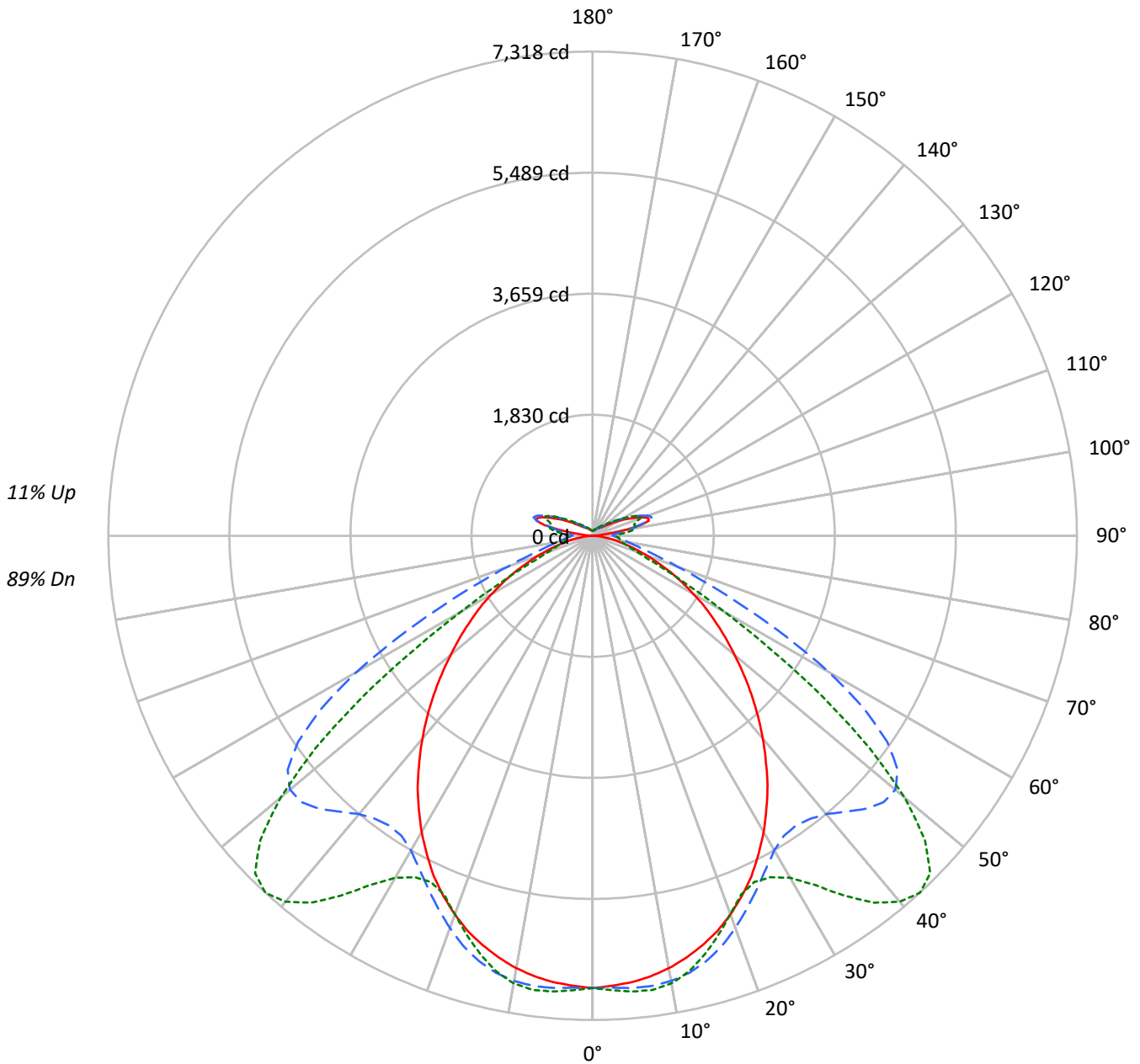
Lumens per Lamp: N/A
Luminaire Lumens: 22571.9 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 155.4
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	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11675	11675	11675
5°	11511	11659	11809
10°	11311	11641	11822
15°	11035	11449	11444
20°	10680	11055	10883
25°	10224	10579	10665
30°	9638	10225	11476
35°	8981	10413	13430
40°	8230	11278	15525
45°	7452	12793	16688
50°	6646	14145	15530
55°	5887	14127	11866
60°	5119	11952	7255
65°	4314	8252	4395
70°	3420	5334	3173
75°	2509	3822	2942
80°	1694	3356	3319
85°	1011	3685	5246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.2	2.9
10°-20°	1849.8	8.2
20°-30°	2706.8	12.0
30°-40°	3515.4	15.6
40°-50°	4292.7	19.0
50°-60°	3780.4	16.7
60°-70°	1970.0	8.7
70°-80°	844.8	3.7
80°-90°	411.1	1.8
90°-100°	392.2	1.7
100°-110°	818.3	3.6
110°-120°	670.4	3.0
120°-130°	326.1	1.4
130°-140°	163.2	0.7
140°-150°	92.7	0.4
150°-160°	51.9	0.2
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	5209.8	23.1
0°-40°	8725.2	38.7
0°-60°	16798.4	74.4
0°-90°	20024.2	88.7
90°-120°	1880.9	8.3
90°-150°	2462.9	10.9
90°-180°	2548.0	11.3
0°-180°	22571.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6836	6836	6836	6836	6836	
5°	6772	6824	6861	6921	6914	642
15°	6408	6588	6651	6601	6548	1804
25°	5678	5982	5880	5770	5775	2606
35°	4609	5096	5351	6240	6640	2873
45°	3394	4270	5836	7066	7213	2617
55°	2259	3740	5435	4765	4236	2028
65°	1296	2591	2488	1383	1190	1283
75°	522	1212	799	547	519	569
85°	111	432	407	398	403	123
90°	6	186	309	361	374	11
95°	49	188	363	449	482	145
105°	878	914	872	689	650	834
115°	610	637	693	711	708	616
125°	304	324	366	380	378	285
135°	183	186	207	225	228	144
145°	138	138	142	152	156	87
155°	113	114	113	114	114	51
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6835.8	6835.8	6835.8	6835.8	6835.8
2.5°	6806.3	6835.8	6837.3	6878.6	6874.2
5°	6772.4	6824.0	6860.9	6921.3	6914.0
7.5°	6716.4	6797.5	6862.4	6928.7	6922.8
10°	6636.7	6747.3	6832.9	6887.4	6869.7
12.5°	6533.4	6679.5	6763.5	6775.3	6741.4
15°	6408.1	6588.0	6651.4	6601.3	6548.2
17.5°	6266.5	6477.4	6499.5	6390.4	6324.1
20°	6089.5	6329.9	6307.8	6157.4	6083.7
22.5°	5893.4	6167.7	6096.9	5939.1	5868.3
25°	5678.1	5981.9	5880.1	5769.5	5775.4
27.5°	5425.9	5770.9	5672.2	5722.3	5816.7
30°	5169.3	5549.8	5489.3	5781.3	5967.2
32.5°	4887.6	5322.7	5377.2	5953.9	6257.7
35°	4608.8	5095.6	5350.6	6240.0	6639.7
37.5°	4300.6	4865.4	5393.4	6570.3	6989.2
40°	4001.2	4641.3	5490.8	6866.8	7220.7
42.5°	3695.9	4440.7	5654.4	7042.2	7318.0
45°	3393.5	4269.6	5835.9	7065.9	7213.3
47.5°	3091.2	4125.1	5961.3	6878.6	6810.7
50°	2799.2	3996.7	5970.0	6428.8	6151.5
52.5°	2526.3	3878.8	5807.9	5712.0	5281.4
55°	2259.4	3740.2	5434.7	4765.2	4235.7
57.5°	2016.1	3548.5	4859.5	3747.6	3169.4
60°	1758.0	3288.8	4116.2	2741.7	2285.9
62.5°	1520.6	2965.8	3282.9	1908.4	1643.0
65°	1296.3	2591.3	2488.0	1383.4	1190.2
67.5°	1058.9	2203.3	1836.2	1008.8	884.9
70°	873.1	1843.6	1367.2	784.6	712.3
72.5°	682.9	1501.4	1022.0	637.1	597.3
75°	522.1	1212.3	799.4	547.1	519.1
77.5°	384.9	958.6	643.0	483.8	457.2
80°	269.9	755.1	538.3	432.1	421.8
82.5°	181.4	584.0	458.6	411.5	413.0
85°	110.6	432.1	407.1	398.2	402.6
87.5°	53.1	306.7	349.5	362.8	367.3
90°	5.8	185.9	309.3	360.6	374.1
92.5°	14.8	158.6	298.6	363.0	381.7
95°	49.0	188.0	363.4	449.0	482.4
97.5°	236.8	328.2	463.8	559.6	592.7
100°	484.4	574.4	582.4	642.7	655.0
102.5°	746.1	794.8	690.7	667.5	663.5
105°	878.0	914.1	872.5	689.2	649.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	711.4	748.3	796.4	797.0	772.2
115°	610.5	637.2	693.3	710.7	708.4
117.5°	525.1	542.1	594.3	611.1	613.5
120°	436.4	457.7	508.3	521.7	517.9
122.5°	367.7	385.5	430.5	445.0	441.2
125°	304.2	324.3	365.8	379.6	378.5
127.5°	257.5	270.3	311.4	327.1	327.7
130°	225.4	232.3	267.5	283.2	287.0
132.5°	201.0	207.1	233.8	252.1	254.1
135°	182.8	186.2	207.0	225.0	228.2
137.5°	168.0	170.6	186.1	203.5	206.4
140°	154.9	158.4	168.7	185.1	187.5
142.5°	145.1	147.1	155.0	168.5	170.0
145°	137.9	138.4	142.5	152.2	156.0
147.5°	130.1	132.1	133.8	141.5	142.9
150°	124.0	125.7	125.4	129.2	133.0
152.5°	117.9	119.6	119.3	120.2	123.1
155°	112.7	114.4	113.2	114.1	114.1
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	882.9	924.7	935.1	782.8	679.6
110°	815.1	855.4	885.5	842.2	760.0



(END OF REPORT)