

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: P828264

Luminaire Tested: **OHBL-12SE-NL-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828264
REPORT IS A COMBINATION OF REPORTS P826153 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-NL-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

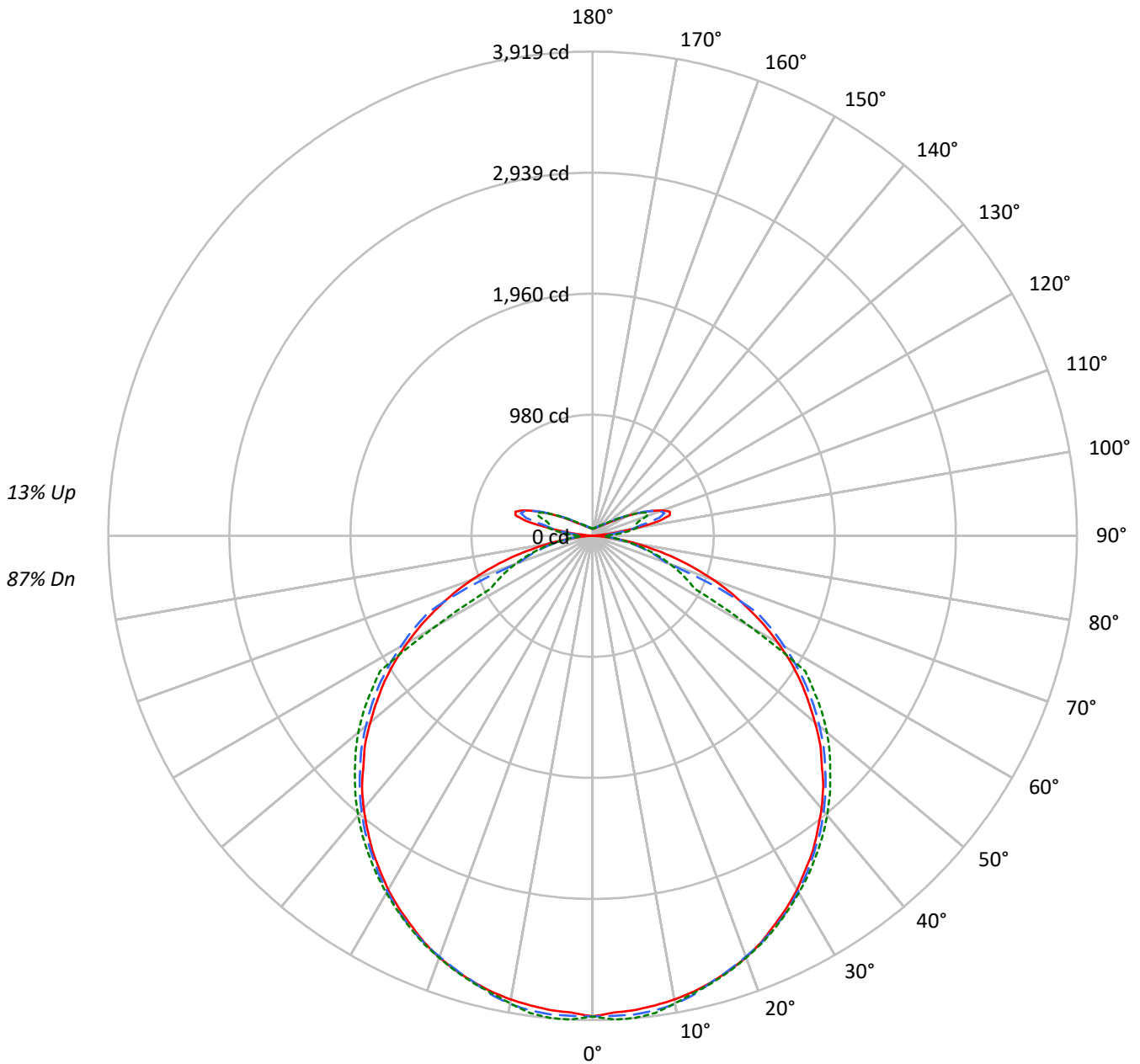
Lumens per Lamp: N/A
Luminaire Lumens: 12479.0 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 82.3
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					20					
RC	80					70					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	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	106	102	98	94	102	98	95	91	92	89	86	86	83	81	80	78	77	74								
2	97	89	83	77	93	86	80	75	81	76	72	75	71	68	71	67	65	62								
3	88	78	71	64	85	76	69	63	71	65	60	67	62	58	63	58	55	52								
4	81	69	61	55	78	67	59	53	63	57	51	59	54	49	56	51	47	45								
5	74	62	53	47	71	60	52	46	57	50	44	53	47	43	50	45	41	39								
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34								
7	64	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30								
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27								
9	55	42	34	29	53	41	33	28	39	32	27	37	31	27	35	30	26	24								
10	52	39	31	26	50	38	30	26	36	29	25	34	28	24	32	27	23	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12657	12657	12657
5°	12462	12591	12767
10°	12342	12491	12635
15°	12214	12259	12525
20°	12069	12113	12463
25°	11853	11992	12406
30°	11658	11813	12351
35°	11432	11606	12303
40°	11169	11404	12267
45°	10826	11137	12191
50°	10458	10838	12142
55°	10019	10469	11936
60°	9403	9949	9221
65°	8559	9294	6142
70°	7502	4701	5872
75°	6027	4148	5474
80°	4012	3337	4793
85°	1447	2468	4148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	3.0
10°-20°	1058.3	8.5
20°-30°	1610.3	12.9
30°-40°	1957.8	15.7
40°-50°	2058.6	16.5
50°-60°	1879.7	15.1
60°-70°	1205.0	9.7
70°-80°	569.2	4.6
80°-90°	161.7	1.3
90°-100°	190.7	1.5
100°-110°	528.4	4.2
110°-120°	447.3	3.6
120°-130°	213.3	1.7
130°-140°	106.6	0.9
140°-150°	61.9	0.5
150°-160°	36.1	0.3
160°-170°	18.7	0.2
170°-180°	5.7	0.0
0°-30°	3038.2	24.3
0°-40°	4996.0	40.0
0°-60°	8934.3	71.6
0°-90°	10870.3	87.1
90°-120°	1166.5	9.3
90°-150°	1548.2	12.4
90°-180°	1609.0	12.9
0°-180°	12479.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3890	3890	3890	3890	3890	
5°	3854	3869	3889	3910	3918	367
15°	3738	3766	3737	3742	3745	1055
25°	3478	3484	3496	3501	3499	1605
35°	3109	3090	3126	3164	3155	1943
45°	2622	2617	2662	2724	2720	2027
55°	2055	2039	2108	2178	2184	1833
65°	1384	1384	1465	840	843	1373
75°	684	697	452	476	478	721
85°	89	113	141	153	145	132
90°	4	60	92	114	116	6
95°	35	91	157	206	227	105
105°	648	646	555	394	364	615
115°	449	456	457	450	445	452
125°	217	228	234	233	231	204
135°	129	131	136	137	138	102
145°	94	96	98	99	99	59
155°	75	76	77	78	78	35
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3890.4	3890.4	3890.4	3890.4	3890.4
2.5°	3863.1	3876.2	3890.4	3908.8	3919.0
5°	3854.2	3869.3	3889.0	3910.2	3918.4
7.5°	3835.1	3856.2	3875.4	3890.4	3895.2
10°	3811.2	3836.5	3847.5	3846.1	3842.7
12.5°	3779.1	3805.8	3802.4	3786.6	3789.4
15°	3737.5	3765.5	3736.9	3742.3	3745.0
17.5°	3688.4	3715.7	3682.2	3693.1	3693.8
20°	3631.1	3651.5	3625.6	3634.5	3634.5
22.5°	3562.1	3576.4	3565.5	3571.6	3573.0
25°	3478.1	3483.5	3495.8	3501.3	3498.6
27.5°	3397.6	3390.7	3414.7	3427.6	3420.7
30°	3308.1	3297.2	3325.2	3346.3	3338.1
32.5°	3205.7	3198.9	3231.0	3256.2	3251.5
35°	3108.8	3090.4	3125.8	3164.1	3155.2
37.5°	2994.1	2983.2	3023.4	3063.7	3059.0
40°	2882.1	2863.7	2909.4	2957.2	2952.5
42.5°	2762.1	2740.1	2790.0	2847.3	2841.9
45°	2622.0	2617.3	2661.6	2724.4	2719.7
47.5°	2497.8	2473.9	2536.0	2596.8	2602.3
50°	2347.6	2338.8	2395.4	2469.1	2474.6
52.5°	2200.9	2194.7	2254.0	2328.5	2338.0
55°	2054.8	2039.0	2108.1	2178.3	2183.9
57.5°	1898.5	1882.1	1952.4	2028.8	2040.4
60°	1731.2	1715.5	1792.6	1863.7	1482.1
62.5°	1564.0	1553.0	1633.6	1157.1	932.6
65°	1384.4	1384.4	1464.9	840.3	843.1
67.5°	1216.5	1205.6	1092.3	754.9	754.9
70°	1036.3	1040.4	629.4	661.6	662.2
72.5°	855.4	870.4	543.4	569.3	570.7
75°	684.0	697.0	452.5	476.5	478.5
77.5°	502.5	386.4	363.9	382.3	383.0
80°	352.9	243.7	278.6	296.2	294.2
82.5°	206.1	170.7	204.1	217.1	216.4
85°	89.4	113.3	141.3	152.9	144.7
87.5°	28.6	70.3	88.0	94.9	94.2
90°	3.5	60.0	92.3	113.5	116.5
92.5°	11.3	58.7	102.4	134.4	142.0
95°	35.0	91.1	157.3	206.0	226.8
97.5°	170.9	199.5	239.0	292.9	308.2
100°	350.9	378.5	329.0	356.6	362.6
102.5°	550.3	555.6	407.7	378.3	373.8
105°	647.6	645.6	555.2	394.4	364.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	527.5	532.4	523.9	508.0	481.4
115°	449.4	456.0	457.2	449.9	444.9
117.5°	379.9	382.6	384.3	382.6	383.4
120°	317.3	323.4	326.9	324.3	322.6
122.5°	265.2	273.0	277.4	274.7	273.0
125°	217.4	227.8	233.9	233.0	231.3
127.5°	184.3	192.1	200.0	199.1	197.4
130°	160.0	166.1	171.3	172.2	173.0
132.5°	143.5	146.1	151.3	152.2	153.9
135°	128.7	131.3	135.6	137.4	138.2
137.5°	117.4	120.0	123.5	125.2	126.1
140°	107.8	110.4	113.0	114.8	115.6
142.5°	100.0	102.6	105.2	106.1	106.9
145°	93.9	95.6	98.2	99.1	99.1
147.5°	87.8	89.6	91.3	93.0	93.0
150°	82.6	84.3	86.1	86.9	87.8
152.5°	79.1	80.0	81.7	82.6	82.6
155°	74.8	76.5	77.4	78.2	78.2
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	653.7	657.1	609.5	472.2	392.4
110°	599.7	608.7	584.6	529.8	464.9



(END OF REPORT)