

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: P828265

Luminaire Tested: **OHBL-12SE-W-UNV-L940-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828265
REPORT IS A COMBINATION OF REPORTS P826058 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-W-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

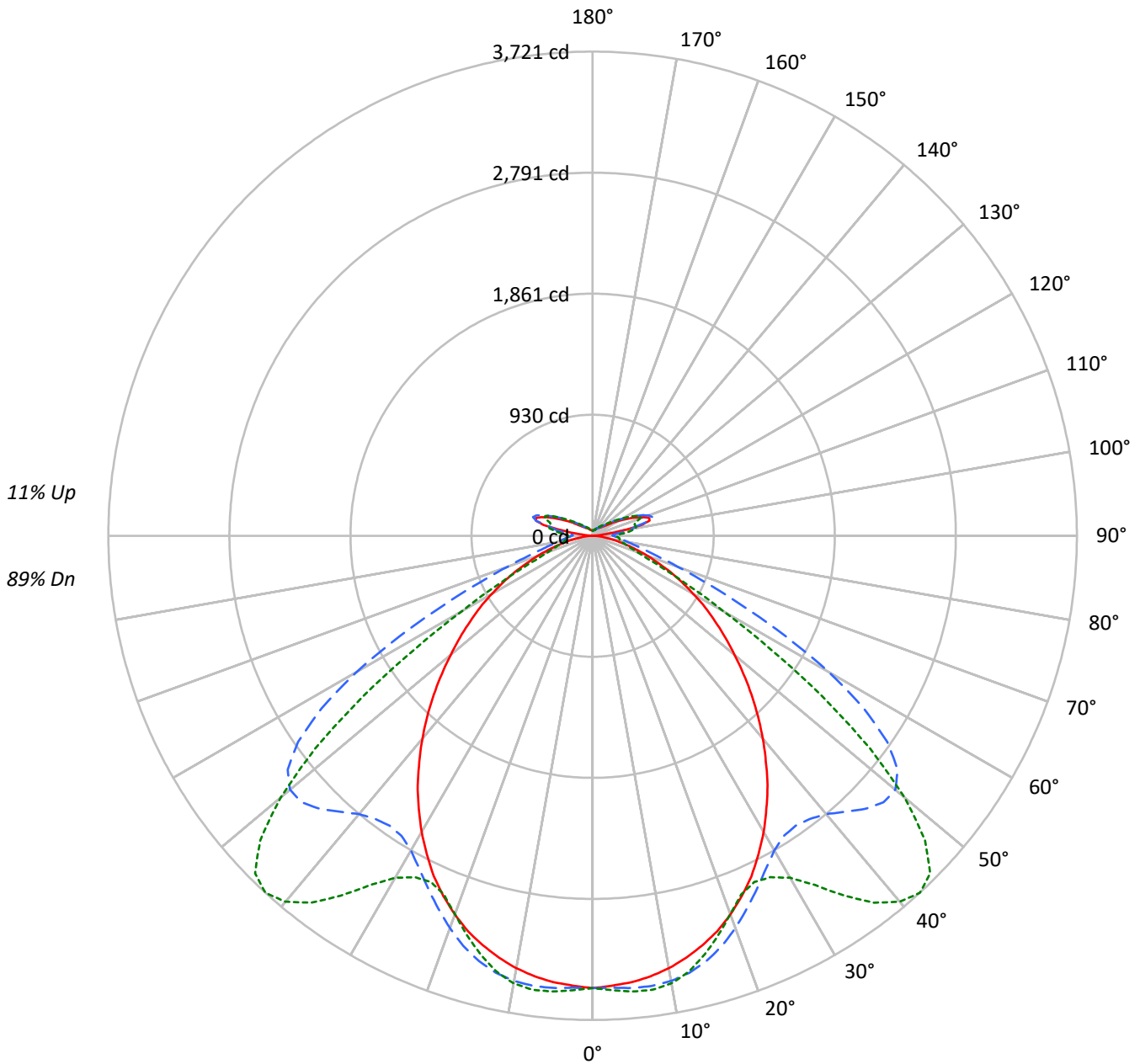
Lumens per Lamp: N/A
Luminaire Lumens: 11490.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 78.4
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	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	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	86	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	69	61	54	78	67	60	54	64	57	52	60	54	50	56	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	28	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	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11308	11308	11308
5°	11062	11230	11437
10°	10786	11151	11450
15°	10441	10906	11083
20°	10025	10472	10541
25°	9518	9962	10329
30°	8895	9569	11115
35°	8212	9681	13007
40°	7449	10408	15037
45°	6668	11710	16163
50°	5871	12828	15041
55°	5123	12672	11492
60°	4373	10579	7027
65°	3603	7183	4256
70°	2772	4542	3073
75°	1950	3156	2850
80°	1236	2642	3215
85°	661	2668	5083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	2.9
10°-20°	940.6	8.2
20°-30°	1376.4	12.0
30°-40°	1787.5	15.6
40°-50°	2182.7	19.0
50°-60°	1922.3	16.7
60°-70°	1001.7	8.7
70°-80°	429.6	3.7
80°-90°	209.0	1.8
90°-100°	200.4	1.7
100°-110°	420.1	3.7
110°-120°	344.7	3.0
120°-130°	167.5	1.5
130°-140°	83.8	0.7
140°-150°	47.8	0.4
150°-160°	26.8	0.2
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	2649.1	23.1
0°-40°	4436.6	38.6
0°-60°	8541.5	74.3
0°-90°	10181.8	88.6
90°-120°	965.2	8.4
90°-150°	1264.3	11.0
90°-180°	1308.0	11.4
0°-180°	11490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3476	3476	3476	3476	3476	
5°	3444	3470	3489	3519	3516	327
15°	3258	3350	3382	3357	3330	917
25°	2887	3042	2990	2934	2937	1325
35°	2344	2591	2721	3173	3376	1461
45°	1726	2171	2967	3593	3668	1331
55°	1149	1902	2763	2423	2154	1031
65°	659	1318	1265	703	605	652
75°	265	616	406	278	264	289
85°	56	220	207	202	205	63
90°	3	95	157	183	190	6
95°	23	97	184	228	248	73
105°	452	470	450	353	333	428
115°	318	328	357	364	361	318
125°	158	167	188	194	196	147
135°	93	96	107	116	117	74
145°	71	72	73	78	81	45
155°	58	59	58	59	59	26
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3475.9	3475.9	3475.9	3475.9	3475.9
2.5°	3460.8	3475.9	3476.6	3497.6	3495.3
5°	3443.6	3469.9	3488.6	3519.3	3515.6
7.5°	3415.1	3456.3	3489.3	3523.1	3520.0
10°	3374.6	3430.8	3474.3	3502.0	3493.1
12.5°	3322.1	3396.3	3439.1	3445.1	3427.9
15°	3258.3	3349.9	3382.1	3356.6	3329.6
17.5°	3186.3	3293.6	3304.8	3249.4	3215.6
20°	3096.4	3218.6	3207.4	3130.9	3093.4
22.5°	2996.6	3136.1	3100.1	3019.9	2983.9
25°	2887.2	3041.7	2989.9	2933.7	2936.6
27.5°	2758.9	2934.4	2884.1	2909.7	2957.7
30°	2628.4	2821.9	2791.2	2939.7	3034.1
32.5°	2485.2	2706.4	2734.1	3027.4	3181.9
35°	2343.5	2590.9	2720.7	3172.9	3376.1
37.5°	2186.7	2473.9	2742.4	3340.8	3553.9
40°	2034.5	2359.9	2791.9	3491.6	3671.6
42.5°	1879.3	2257.9	2875.2	3580.8	3721.0
45°	1725.5	2171.0	2967.4	3592.8	3667.8
47.5°	1571.8	2097.5	3031.1	3497.6	3463.1
50°	1423.4	2032.2	3035.7	3268.9	3127.9
52.5°	1284.6	1972.2	2953.2	2904.4	2685.5
55°	1148.9	1901.7	2763.4	2423.0	2153.7
57.5°	1025.2	1804.3	2471.0	1905.6	1611.5
60°	893.9	1672.3	2093.0	1394.1	1162.4
62.5°	773.2	1508.1	1669.3	970.4	835.4
65°	659.2	1317.6	1265.1	703.4	605.2
67.5°	538.4	1120.4	933.6	513.0	449.9
70°	443.9	937.3	695.2	399.0	362.2
72.5°	347.2	763.4	519.7	324.0	303.7
75°	265.4	616.4	406.5	278.2	264.0
77.5°	195.7	487.4	327.0	246.0	232.5
80°	137.2	383.9	273.7	219.7	214.5
82.5°	92.2	297.0	233.2	209.2	210.0
85°	56.3	219.7	207.0	202.5	204.8
87.5°	27.0	156.0	177.7	184.5	186.8
90°	3.4	95.1	157.4	182.9	190.1
92.5°	7.8	80.8	153.0	186.4	194.5
95°	23.2	96.9	183.5	228.3	247.7
97.5°	118.9	166.1	241.8	287.4	298.3
100°	242.2	291.3	301.8	330.0	336.6
102.5°	383.9	405.7	352.7	343.2	340.3
105°	452.5	470.5	449.6	353.4	333.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	367.9	384.0	412.9	409.5	396.2
115°	317.5	328.0	357.3	364.5	360.8
117.5°	267.8	279.5	306.9	313.3	312.3
120°	225.2	236.4	260.0	265.4	266.2
122.5°	190.4	198.6	221.4	227.0	228.7
125°	158.2	166.6	188.1	193.9	195.5
127.5°	132.3	138.2	160.8	167.5	168.2
130°	115.8	119.3	137.1	145.5	147.0
132.5°	103.6	106.2	120.2	128.6	130.9
135°	93.2	95.8	106.8	115.9	116.7
137.5°	86.2	88.0	95.8	104.2	106.6
140°	79.3	81.9	86.6	95.0	95.7
142.5°	74.8	75.8	79.8	86.7	88.2
145°	71.2	71.5	73.0	78.4	80.8
147.5°	66.9	67.8	69.6	72.6	74.3
150°	64.3	65.1	64.5	66.9	68.3
152.5°	60.8	61.6	61.0	61.9	63.4
155°	58.2	59.0	58.4	59.3	59.3
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	455.8	477.1	481.2	400.0	345.9
110°	417.6	440.2	456.3	432.6	389.9



(END OF REPORT)