

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: P828025

Luminaire Tested: **OHBL-18SE-W-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828025
REPORT IS A COMBINATION OF REPORTS P826166 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-18SE-W-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

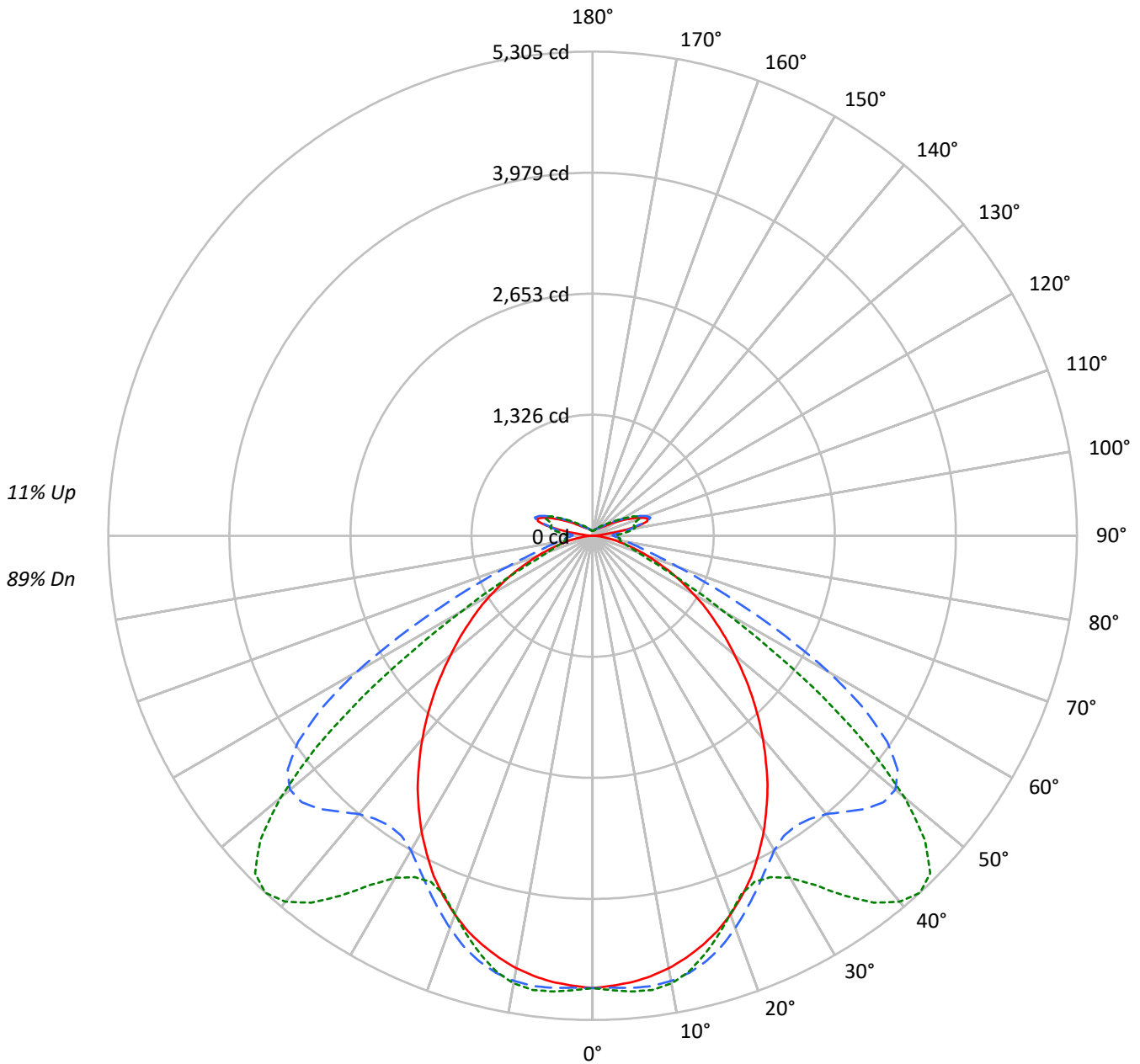
Lumens per Lamp: N/A
Luminaire Lumens: 16329.1 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 117.3
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									
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	93	90	87	87	84	82	82	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	64	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	46																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	42	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	38	46	41	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	27																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	31	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8464	8464	8464
5°	8344	8452	8560
10°	8199	8439	8571
15°	8000	8299	8296
20°	7742	8014	7889
25°	7412	7669	7731
30°	6987	7412	8320
35°	6510	7549	9735
40°	5966	8176	11255
45°	5402	9274	12098
50°	4818	10254	11258
55°	4268	10241	8602
60°	3711	8664	5259
65°	3127	5982	3186
70°	2479	3867	2300
75°	1819	2771	2132
80°	1228	2432	2406
85°	733	2672	3802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.5	2.9
10°-20°	1341.0	8.2
20°-30°	1962.3	12.0
30°-40°	2548.4	15.6
40°-50°	3111.9	19.1
50°-60°	2740.5	16.8
60°-70°	1428.1	8.7
70°-80°	612.4	3.8
80°-90°	297.8	1.8
90°-100°	280.9	1.7
100°-110°	581.4	3.6
110°-120°	476.5	2.9
120°-130°	232.1	1.4
130°-140°	116.0	0.7
140°-150°	66.0	0.4
150°-160°	36.9	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	3776.8	23.1
0°-40°	6325.1	38.7
0°-60°	12177.6	74.6
0°-90°	14515.9	88.9
90°-120°	1338.8	8.2
90°-150°	1752.8	10.7
90°-180°	1813.0	11.1
0°-180°	16329.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4955	4955	4955	4955	4955	
5°	4910	4947	4974	5018	5012	466
15°	4645	4776	4822	4786	4747	1308
25°	4116	4336	4263	4182	4187	1889
35°	3341	3694	3879	4524	4813	2082
45°	2460	3095	4231	5122	5229	1897
55°	1638	2711	3940	3454	3071	1470
65°	940	1878	1804	1003	863	930
75°	378	879	580	397	376	413
85°	80	313	295	289	292	89
90°	4	134	223	260	269	8
95°	34	135	262	321	346	101
105°	622	649	622	488	462	590
115°	434	454	494	503	504	438
125°	216	229	260	270	270	202
135°	130	132	147	160	162	103
145°	99	98	102	109	111	62
155°	80	82	81	81	81	36
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4955.4	4955.4	4955.4	4955.4	4955.4
2.5°	4934.1	4955.4	4956.5	4986.5	4983.2
5°	4909.5	4946.9	4973.7	5017.5	5012.1
7.5°	4868.8	4927.7	4974.7	5022.8	5018.5
10°	4811.1	4891.3	4953.3	4992.8	4980.1
12.5°	4736.2	4842.2	4903.1	4911.6	4887.0
15°	4645.4	4775.8	4821.8	4785.5	4747.0
17.5°	4542.8	4695.7	4711.7	4632.6	4584.5
20°	4414.5	4588.8	4572.7	4463.7	4410.2
22.5°	4272.2	4471.2	4419.8	4305.4	4254.1
25°	4116.2	4336.4	4262.7	4182.5	4186.8
27.5°	3933.3	4183.5	4111.9	4148.2	4216.7
30°	3747.3	4023.2	3979.3	4191.0	4325.8
32.5°	3543.1	3858.5	3898.1	4316.1	4536.3
35°	3341.1	3693.8	3878.8	4523.5	4813.2
37.5°	3117.6	3527.1	3909.8	4763.0	5066.7
40°	2900.6	3364.6	3980.4	4977.9	5234.5
42.5°	2679.2	3219.2	4099.1	5105.2	5305.1
45°	2460.1	3095.2	4230.6	5122.2	5229.2
47.5°	2240.9	2990.4	4321.4	4986.5	4937.2
50°	2029.2	2897.3	4327.8	4660.3	4459.3
52.5°	1831.4	2811.8	4210.2	4140.8	3828.6
55°	1637.9	2711.3	3939.8	3454.4	3070.6
57.5°	1461.5	2572.3	3522.8	2716.7	2297.6
60°	1274.4	2384.2	2984.0	1987.5	1657.2
62.5°	1102.2	2150.0	2379.9	1383.5	1191.0
65°	939.8	1878.5	1803.7	1002.8	862.8
67.5°	767.7	1597.3	1331.1	731.2	641.5
70°	632.9	1336.4	991.1	568.8	516.4
72.5°	495.0	1088.4	740.9	461.8	433.0
75°	378.5	878.8	579.5	396.7	376.3
77.5°	279.1	694.9	466.2	350.7	331.4
80°	195.7	547.4	390.2	313.2	305.8
82.5°	131.5	423.4	332.5	298.2	299.3
85°	80.2	313.2	295.1	288.7	291.8
87.5°	38.5	222.4	253.4	263.0	266.2
90°	4.4	134.2	222.9	259.9	269.4
92.5°	10.8	114.1	216.9	262.2	274.2
95°	33.8	134.6	262.5	320.9	346.2
97.5°	164.7	232.0	337.3	401.8	418.3
100°	338.2	398.8	419.0	459.9	468.1
102.5°	527.3	565.0	489.5	476.4	473.5
105°	621.8	649.1	622.2	488.3	462.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	508.1	530.7	565.6	567.2	548.5
115°	433.9	453.9	493.7	502.6	503.9
117.5°	371.7	385.9	422.8	434.0	435.9
120°	311.7	326.0	360.4	370.7	370.1
122.5°	261.7	274.5	307.5	316.8	316.2
125°	215.8	229.0	260.5	270.4	269.8
127.5°	183.1	191.7	222.7	232.5	231.9
130°	159.8	165.6	189.8	201.3	204.3
132.5°	143.9	146.4	166.4	177.9	181.8
135°	129.8	132.2	147.1	160.5	162.4
137.5°	118.9	121.4	132.2	144.6	147.6
140°	109.8	112.2	119.0	131.4	133.2
142.5°	103.3	104.8	110.4	119.8	121.8
145°	98.6	98.1	101.7	108.9	111.0
147.5°	92.8	93.3	95.0	100.9	102.0
150°	87.8	89.4	88.9	91.9	94.8
152.5°	84.4	85.2	84.8	85.6	87.8
155°	80.2	81.9	80.6	81.4	81.4
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	628.7	656.5	664.8	554.7	484.3
110°	576.2	606.3	631.6	598.8	543.3



(END OF REPORT)