

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: P828007

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828007
REPORT IS A COMBINATION OF REPORTS P826160 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-18HE-W-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

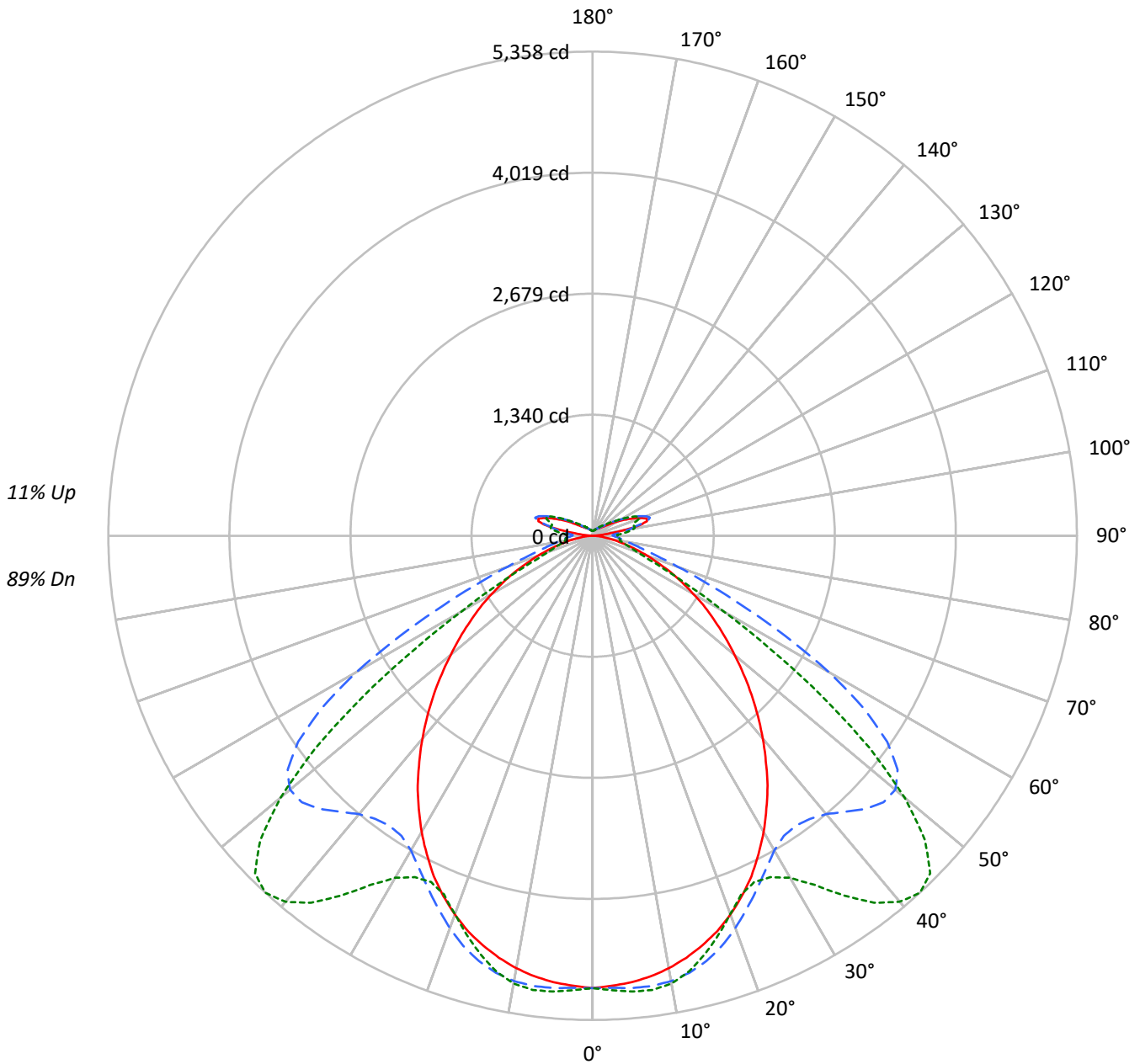
Lumens per Lamp: N/A
Luminaire Lumens: 16478.3 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 115.3
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	85	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	65	85	76	69	63	72	66	61	68	63	58	64	60	56	53																			
4	81	70	61	55	78	68	60	54	64	57	52	60	54	50	57	52	48	46																			
5	75	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	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8549	8549	8549
5°	8428	8537	8646
10°	8282	8524	8657
15°	8080	8383	8379
20°	7820	8095	7969
25°	7486	7746	7809
30°	7057	7486	8403
35°	6576	7625	9833
40°	6027	8258	11368
45°	5456	9367	12219
50°	4866	10358	11371
55°	4311	10344	8688
60°	3748	8751	5312
65°	3159	6042	3218
70°	2504	3906	2323
75°	1837	2798	2154
80°	1240	2457	2430
85°	741	2699	3841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.3	2.9
10°-20°	1354.4	8.2
20°-30°	1982.0	12.0
30°-40°	2574.0	15.6
40°-50°	3143.2	19.1
50°-60°	2768.1	16.8
60°-70°	1442.5	8.8
70°-80°	618.6	3.8
80°-90°	300.8	1.8
90°-100°	282.3	1.7
100°-110°	582.3	3.5
110°-120°	477.0	2.9
120°-130°	232.3	1.4
130°-140°	116.1	0.7
140°-150°	66.0	0.4
150°-160°	37.0	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	3814.7	23.2
0°-40°	6388.7	38.8
0°-60°	12300.0	74.6
0°-90°	14661.8	89.0
90°-120°	1341.6	8.1
90°-150°	1756.1	10.7
90°-180°	1816.0	11.0
0°-180°	16478.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5005	5005	5005	5005	5005	
5°	4959	4997	5024	5068	5062	470
15°	4692	4824	4870	4834	4795	1321
25°	4158	4380	4306	4224	4229	1908
35°	3375	3731	3918	4569	4862	2103
45°	2485	3126	4273	5174	5282	1916
55°	1654	2739	3979	3489	3101	1485
65°	949	1897	1822	1013	872	939
75°	382	888	585	401	380	417
85°	81	316	298	292	295	90
90°	4	135	225	262	272	8
95°	34	135	264	323	348	101
105°	622	650	623	490	463	590
115°	434	454	494	503	505	438
125°	216	229	261	271	270	202
135°	130	132	147	161	163	103
145°	99	98	102	109	111	62
155°	80	82	81	82	82	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°	5005.2	5005.2	5005.2	5005.2	5005.2
2.5°	4983.7	5005.2	5006.3	5036.6	5033.3
5°	4958.8	4996.7	5023.7	5067.9	5062.5
7.5°	4917.8	4977.2	5024.8	5073.3	5069.0
10°	4859.5	4940.5	5003.1	5043.1	5030.1
12.5°	4783.9	4890.8	4952.3	4961.0	4936.2
15°	4692.1	4823.8	4870.2	4833.6	4794.7
17.5°	4588.4	4742.8	4759.1	4679.2	4630.6
20°	4458.8	4634.8	4618.7	4508.5	4454.5
22.5°	4315.2	4516.1	4464.3	4348.7	4296.8
25°	4157.6	4380.0	4305.5	4224.5	4228.8
27.5°	3972.9	4225.6	4153.2	4190.0	4259.1
30°	3785.0	4063.6	4019.3	4233.2	4369.3
32.5°	3578.8	3897.3	3937.2	4359.5	4581.9
35°	3374.7	3731.0	3917.8	4569.0	4861.7
37.5°	3148.9	3562.6	3949.2	4810.9	5117.6
40°	2929.8	3398.4	4020.4	5027.9	5287.1
42.5°	2706.2	3251.5	4140.2	5156.4	5358.4
45°	2484.8	3126.2	4273.1	5173.8	5281.8
47.5°	2263.4	3020.4	4364.9	5036.6	4986.9
50°	2049.6	2926.5	4371.4	4707.2	4504.2
52.5°	1849.8	2840.1	4252.6	4182.4	3867.1
55°	1654.4	2738.6	3979.4	3489.1	3101.4
57.5°	1476.2	2598.2	3558.2	2744.0	2320.7
60°	1287.2	2408.2	3014.0	2007.5	1673.8
62.5°	1113.3	2171.7	2403.8	1397.3	1203.0
65°	949.2	1897.3	1821.8	1012.9	871.5
67.5°	775.3	1613.3	1344.5	738.7	647.9
70°	639.3	1349.8	1001.1	574.5	521.6
72.5°	500.0	1099.3	748.3	466.5	437.3
75°	382.2	887.7	585.3	400.7	380.1
77.5°	281.8	701.9	470.8	354.2	334.8
80°	197.6	552.9	394.2	316.4	308.8
82.5°	132.8	427.7	335.8	301.2	302.3
85°	81.0	316.4	298.1	291.6	294.8
87.5°	38.9	224.6	255.9	265.7	268.9
90°	4.4	135.3	224.8	262.1	271.7
92.5°	10.8	115.0	218.6	264.2	276.2
95°	33.8	135.3	264.1	322.8	348.2
97.5°	164.7	232.6	338.8	403.5	420.0
100°	338.2	399.2	420.2	461.4	469.7
102.5°	527.4	565.4	490.7	477.8	474.9
105°	621.8	649.5	623.2	489.5	463.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	508.2	530.9	566.2	568.1	549.4
115°	434.0	454.1	494.3	503.3	504.7
117.5°	371.8	386.1	423.4	434.7	436.6
120°	311.8	326.2	360.8	371.3	370.8
122.5°	261.8	274.7	307.9	317.3	316.8
125°	215.9	229.2	260.9	270.8	270.2
127.5°	183.2	191.8	223.0	232.9	232.3
130°	159.8	165.7	190.1	201.8	204.8
132.5°	144.0	146.5	166.6	178.2	182.1
135°	129.8	132.3	147.2	160.8	162.8
137.5°	119.0	121.5	132.3	144.8	147.8
140°	109.8	112.3	119.2	131.6	133.5
142.5°	103.4	104.8	110.6	120.0	121.9
145°	98.7	98.2	101.8	109.0	111.2
147.5°	92.8	93.4	95.1	101.1	102.2
150°	87.8	89.5	89.0	92.0	95.0
152.5°	84.5	85.3	84.8	85.7	87.8
155°	80.3	82.0	80.7	81.5	81.5
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°	628.8	656.8	665.8	555.8	485.4
110°	576.2	606.7	632.4	599.7	544.3



(END OF REPORT)