

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: P828469

Luminaire Tested: **OHB-18SE-MCL-UNV-L950-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828469
REPORT IS A COMBINATION OF REPORTS P826138 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: OHB-18SE-MCL-UNV-L950-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

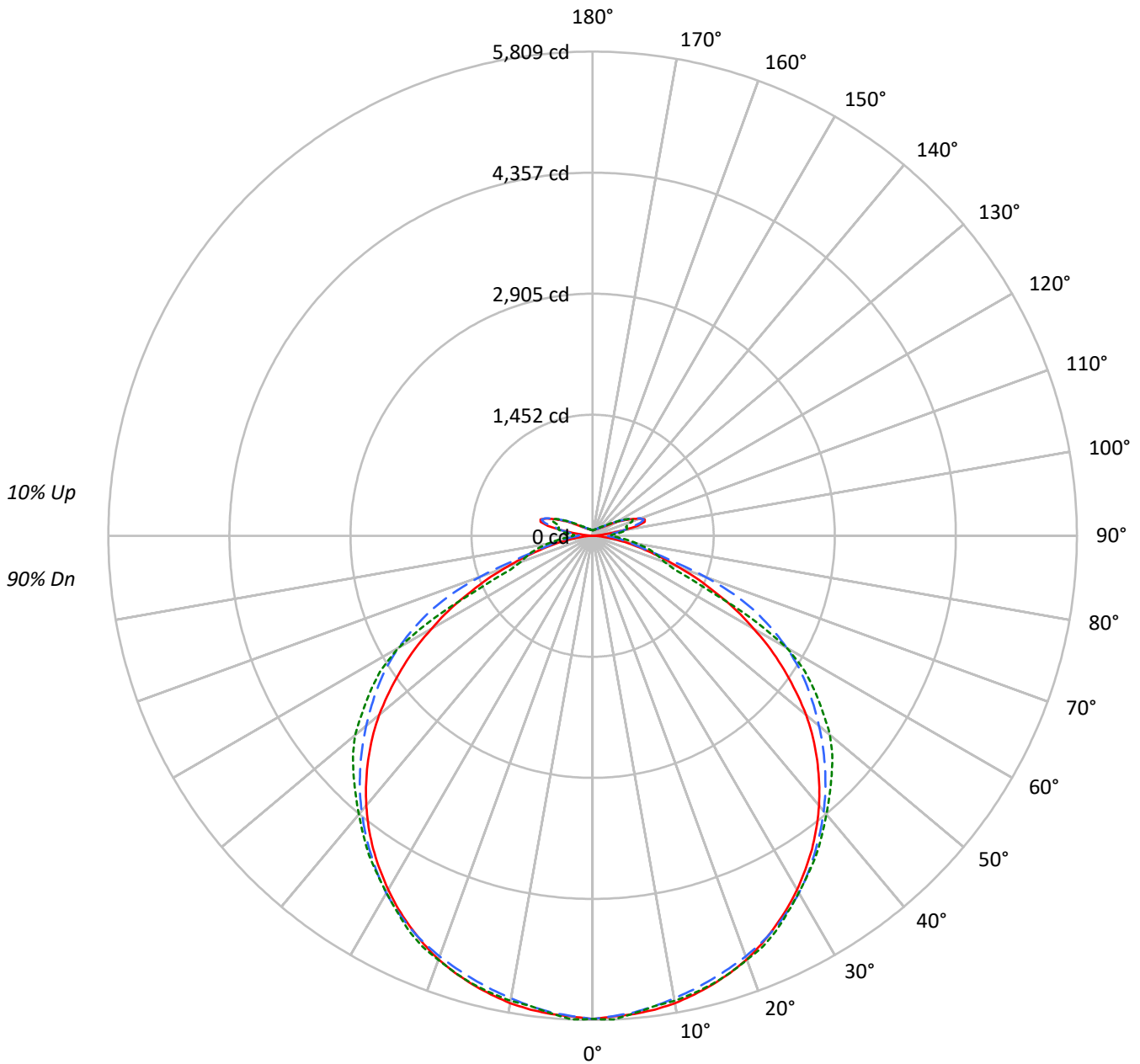
Lumens per Lamp: N/A
Luminaire Lumens: 17940.8 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 119.9
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	107	102	98	95	103	99	95	92	93	90	87	88	85	83	83	81	79	76																			
2	97	89	83	77	94	87	81	76	82	77	73	77	73	69	73	69	67	64																			
3	89	79	71	65	86	76	69	63	72	66	61	68	63	59	64	60	57	54																			
4	81	70	61	55	78	68	60	54	64	57	52	61	55	50	57	53	49	46																			
5	75	62	53	47	72	61	52	46	57	50	45	54	48	44	52	46	42	40																			
6	69	56	47	41	66	55	46	40	52	45	39	49	43	38	47	41	37	35																			
7	64	51	42	36	62	49	41	36	47	40	35	45	38	34	43	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	29	27																			
9	55	42	34	29	54	41	34	28	39	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19365	19365	19365
5°	19145	19026	19134
10°	18982	18681	18932
15°	18768	18410	18816
20°	18552	18218	18660
25°	18230	18023	18506
30°	17885	17748	18168
35°	17486	17347	17987
40°	16996	16931	17738
45°	16354	16456	17637
50°	15522	15919	17515
55°	14279	15379	16881
60°	12701	14624	15630
65°	10704	13308	9925
70°	8412	10256	7214
75°	6081	5977	7350
80°	3982	4828	7061
85°	1994	4192	6698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.6	3.0
10°-20°	1567.4	8.7
20°-30°	2393.9	13.3
30°-40°	2904.6	16.2
40°-50°	3044.3	17.0
50°-60°	2758.6	15.4
60°-70°	1849.5	10.3
70°-80°	830.5	4.6
80°-90°	305.3	1.7
90°-100°	239.6	1.3
100°-110°	559.8	3.1
110°-120°	465.6	2.6
120°-130°	225.1	1.3
130°-140°	114.7	0.6
140°-150°	67.3	0.4
150°-160°	40.2	0.2
160°-170°	21.3	0.1
170°-180°	6.5	0.0
0°-30°	4507.9	25.1
0°-40°	7412.5	41.3
0°-60°	13215.3	73.7
0°-90°	16200.6	90.3
90°-120°	1265.0	7.1
90°-150°	1672.2	9.3
90°-180°	1740.0	9.7
0°-180°	17940.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5797	5797	5797	5797	5797	
5°	5759	5779	5739	5757	5749	548
15°	5572	5550	5511	5560	5566	1573
25°	5177	5154	5190	5238	5223	2386
35°	4588	4599	4646	4696	4677	2868
45°	3808	3870	3942	4043	4055	2933
55°	2802	2937	3137	3263	3256	2501
65°	1645	1902	2159	1822	1488	1639
75°	647	939	691	707	753	707
85°	112	214	274	331	347	136
90°	4	93	171	217	230	9
95°	34	116	209	263	288	105
105°	648	658	592	441	414	615
115°	453	461	475	476	477	456
125°	223	234	249	251	250	210
135°	136	140	145	151	152	108
145°	102	104	107	108	109	65
155°	83	86	87	88	87	39
165°	74	74	74	75	75	21
175°	68	68	68	67	67	7
180°	67	67	67	67	67	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5796.9	5796.9	5796.9	5796.9	5796.9
2.5°	5773.5	5797.7	5767.5	5800.2	5808.7
5°	5759.2	5779.3	5739.1	5756.7	5749.1
7.5°	5733.2	5739.9	5692.2	5706.4	5691.3
10°	5694.7	5691.3	5635.1	5662.8	5666.2
12.5°	5637.7	5627.6	5577.3	5619.2	5620.1
15°	5572.3	5550.4	5511.1	5559.7	5566.4
17.5°	5496.8	5468.4	5442.4	5505.2	5495.1
20°	5408.8	5375.3	5370.3	5439.0	5413.9
22.5°	5299.9	5273.9	5285.6	5351.0	5335.1
25°	5176.7	5154.0	5190.1	5237.9	5222.8
27.5°	5046.8	5033.3	5074.4	5111.3	5081.9
30°	4904.3	4896.7	4951.1	4981.4	4944.4
32.5°	4749.2	4751.7	4803.7	4844.7	4810.4
35°	4588.2	4599.1	4646.1	4695.5	4677.1
37.5°	4411.4	4435.7	4482.6	4538.8	4519.5
40°	4224.5	4259.7	4311.7	4379.6	4361.9
42.5°	4022.5	4066.9	4133.9	4209.4	4207.7
45°	3807.9	3869.9	3942.0	4042.6	4055.2
47.5°	3584.9	3654.5	3745.8	3880.0	3899.3
50°	3342.7	3429.9	3543.9	3704.8	3716.5
52.5°	3072.8	3191.8	3342.7	3496.9	3482.6
55°	2802.0	2937.0	3137.3	3263.1	3255.5
57.5°	2532.2	2683.9	2927.0	3016.6	3015.8
60°	2230.4	2422.4	2688.1	2756.0	2688.9
62.5°	1951.3	2157.5	2433.2	2383.8	2154.1
65°	1644.6	1901.8	2159.2	1822.2	1487.8
67.5°	1372.2	1640.3	1833.9	1248.1	1068.7
70°	1098.0	1393.9	1430.0	926.2	913.6
72.5°	854.9	1170.1	986.6	792.9	833.2
75°	647.0	938.7	690.7	706.6	752.7
77.5°	471.9	720.9	537.3	619.4	657.1
80°	324.4	510.5	438.4	520.5	546.5
82.5°	203.7	336.9	351.2	419.1	445.9
85°	111.5	213.7	274.0	331.1	347.0
87.5°	46.1	129.1	209.5	255.6	269.1
90°	4.3	92.9	171.2	216.8	229.5
92.5°	12.2	83.2	163.5	209.4	222.2
95°	33.9	115.7	209.4	263.4	287.6
97.5°	171.2	220.4	288.2	343.3	360.6
100°	352.0	396.2	375.7	404.7	412.5
102.5°	550.3	569.5	451.8	425.2	422.5
105°	647.6	657.5	592.1	441.2	414.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	529.2	538.6	545.0	538.6	518.5
115°	452.7	461.3	474.7	476.2	477.0
117.5°	386.6	390.9	405.2	408.6	411.1
120°	324.0	331.0	345.3	346.9	346.0
122.5°	271.9	279.7	293.3	294.8	294.0
125°	223.2	234.5	249.0	250.6	249.7
127.5°	191.0	198.8	213.4	215.0	214.1
130°	166.7	173.6	183.0	187.3	188.1
132.5°	151.0	154.4	162.2	166.4	168.2
135°	136.2	139.6	144.8	150.8	152.5
137.5°	125.7	128.3	131.8	137.8	139.5
140°	116.2	118.8	120.6	125.6	127.4
142.5°	107.6	110.9	112.8	116.2	117.8
145°	101.5	104.0	106.6	108.3	109.2
147.5°	96.2	97.9	99.6	101.4	102.2
150°	90.9	92.7	94.4	95.3	96.2
152.5°	87.5	88.3	90.1	90.9	90.9
155°	83.1	85.7	86.6	87.5	86.6
157.5°	80.5	82.2	83.1	84.0	84.0
160°	77.9	78.8	79.6	80.5	80.5
162.5°	76.2	76.2	77.0	77.9	77.9
165°	73.6	74.4	74.4	75.3	75.3
167.5°	71.8	72.7	72.7	72.7	73.6
170°	70.1	70.1	70.9	70.1	70.1
172.5°	68.3	69.2	69.2	68.3	68.3
175°	67.5	67.5	67.5	66.7	66.7
177.5°	67.5	67.5	66.6	65.8	64.9
180°	66.6	66.6	66.6	66.6	66.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	654.5	666.3	641.0	515.5	441.5
110°	600.6	615.9	610.8	566.2	507.8



(END OF REPORT)