

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: P314680

Luminaire Tested: **24FPSL2SCT3-3500K-MID**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24FPSL2SCT3-3500K-MID
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4642.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

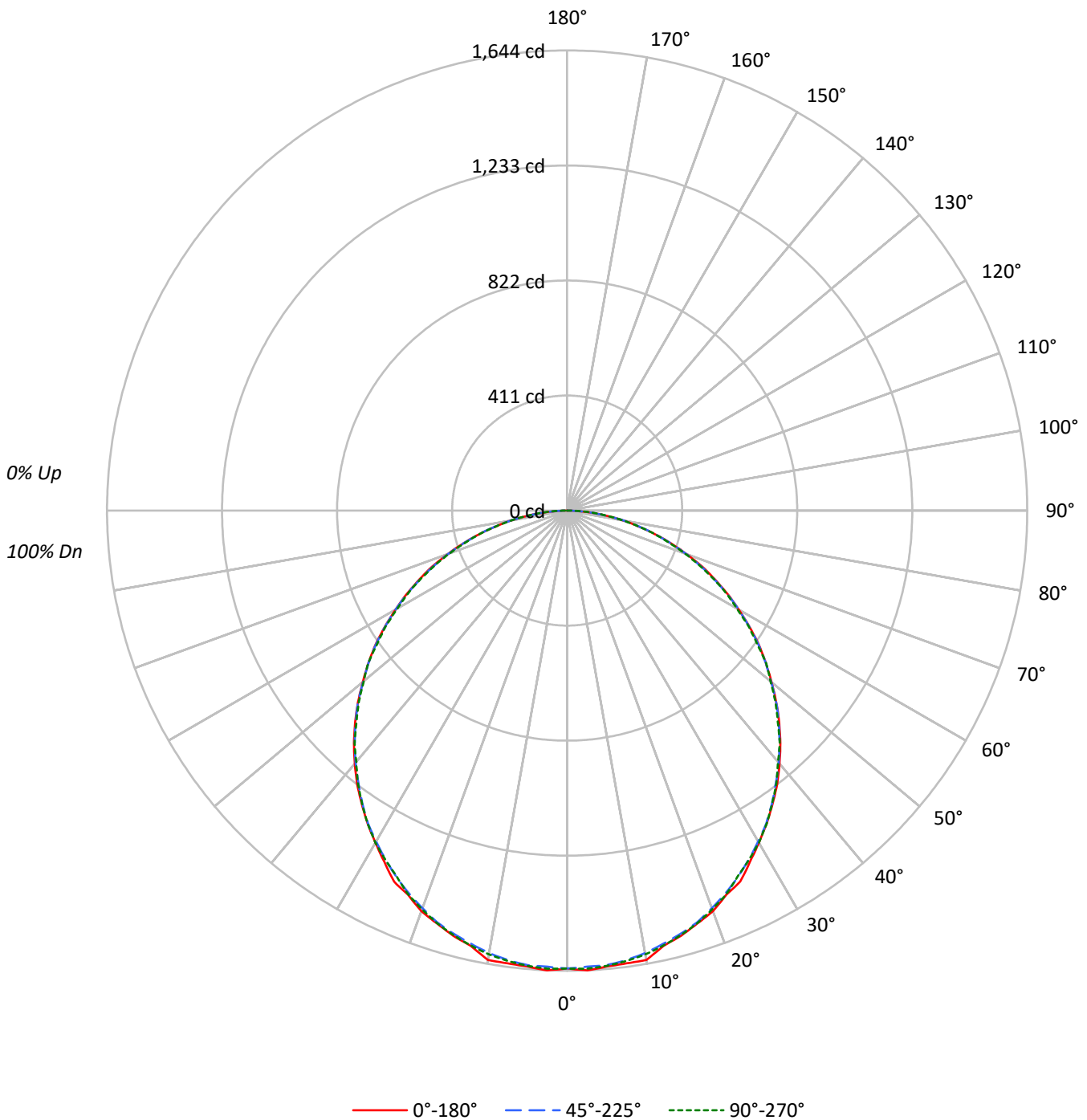
Input Watts (W): 41.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2201	2201	2201
5°	2208	2202	2205
10°	2227	2193	2200
15°	2190	2181	2187
20°	2181	2164	2171
25°	2172	2144	2140
30°	2128	2121	2128
35°	2101	2096	2098
40°	2073	2065	2059
45°	2038	2034	2025
50°	1996	1991	1986
55°	1963	1958	1941
60°	1904	1907	1884
65°	1855	1840	1836
70°	1782	1778	1760
75°	1689	1689	1683
80°	1587	1578	1560
85°	1399	1345	1382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	3.3
10°-20°	441.6	9.5
20°-30°	665.1	14.3
30°-40°	796.9	17.2
40°-50°	822.9	17.7
50°-60°	743.1	16.0
60°-70°	573.0	12.3
70°-80°	342.6	7.4
80°-90°	102.1	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1261.4	27.2
0°-40°	2058.2	44.3
0°-60°	3624.3	78.1
0°-90°	4642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4642.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1636	1636	1636	1636	1636	
5°	1635	1622	1630	1624	1632	156
15°	1572	1563	1565	1560	1570	444
25°	1463	1441	1444	1441	1442	670
35°	1279	1270	1276	1272	1277	801
45°	1071	1068	1069	1065	1064	826
55°	837	830	834	829	827	746
65°	583	580	578	576	577	577
75°	325	324	325	321	324	344
85°	91	90	87	90	90	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1636.0	1636.0	1636.0	1636.0	1636.0
2.5°	1644.3	1630.1	1631.3	1626.6	1638.4
5°	1634.9	1621.9	1630.1	1624.3	1632.5
7.5°	1631.3	1610.1	1619.6	1610.1	1623.1
10°	1630.1	1600.7	1605.4	1600.7	1610.1
12.5°	1592.5	1585.4	1585.4	1583.1	1591.3
15°	1572.5	1563.1	1565.4	1559.5	1570.1
17.5°	1546.6	1538.3	1543.0	1536.0	1545.4
20°	1523.0	1507.7	1511.3	1504.2	1516.0
22.5°	1485.4	1477.1	1479.5	1476.0	1484.2
25°	1463.0	1440.6	1444.2	1440.6	1441.8
27.5°	1414.8	1398.3	1405.3	1403.0	1406.5
30°	1370.0	1361.8	1365.3	1358.3	1370.0
32.5°	1326.5	1312.4	1324.1	1317.1	1326.5
35°	1279.4	1270.0	1275.9	1272.3	1277.0
37.5°	1232.3	1221.7	1225.3	1222.9	1227.6
40°	1180.5	1175.8	1175.8	1173.5	1172.3
42.5°	1127.6	1118.1	1122.9	1118.1	1124.0
45°	1071.1	1067.5	1068.7	1065.2	1064.0
47.5°	1013.4	1009.9	1013.4	1009.9	1008.7
50°	953.4	951.0	951.0	948.7	948.7
52.5°	894.5	892.2	894.5	888.6	895.7
55°	836.8	829.8	834.5	828.6	827.4
57.5°	772.1	772.1	770.9	768.6	767.4
60°	707.4	708.6	708.6	705.0	700.3
62.5°	647.3	641.5	643.8	640.3	641.5
65°	582.6	580.3	577.9	575.6	576.7
67.5°	521.4	517.9	514.3	515.5	510.8
70°	453.1	452.0	452.0	450.8	447.3
72.5°	388.4	387.2	386.1	386.1	381.3
75°	324.9	323.7	324.9	321.3	323.7
77.5°	261.3	263.6	263.6	261.3	261.3
80°	204.8	203.6	203.6	201.3	201.3
82.5°	144.8	143.6	144.8	142.4	145.9
85°	90.6	89.5	87.1	89.5	89.5
87.5°	37.7	37.7	40.0	43.5	44.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)