

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: P314682

Luminaire Tested: **24FPSL2SCT3-4000K-LOW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314682
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: 24FPSL2SCT3-4000K-LOW
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3627.9 lumens
Efficiency: N/A
Efficacy: 120.1 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

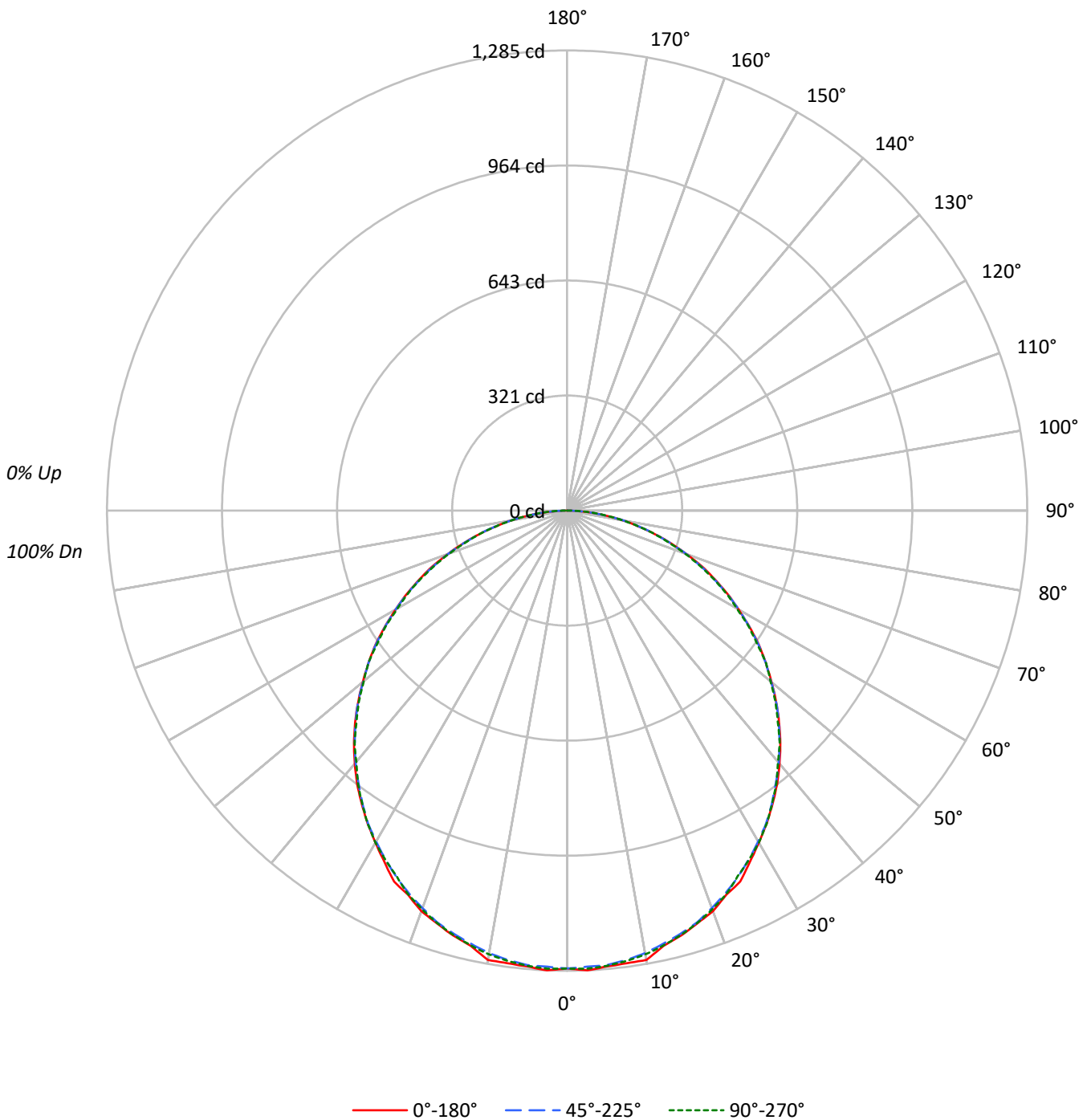
Input Watts (W): 30.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	1720	1720	1720
5°	1726	1721	1723
10°	1741	1714	1719
15°	1712	1704	1709
20°	1704	1691	1696
25°	1697	1676	1673
30°	1663	1658	1663
35°	1642	1638	1639
40°	1620	1614	1609
45°	1593	1589	1582
50°	1560	1556	1552
55°	1534	1530	1517
60°	1488	1490	1473
65°	1450	1438	1435
70°	1393	1389	1375
75°	1320	1320	1315
80°	1241	1233	1219
85°	1093	1051	1079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	3.3
10°-20°	345.1	9.5
20°-30°	519.8	14.3
30°-40°	622.8	17.2
40°-50°	643.1	17.7
50°-60°	580.8	16.0
60°-70°	447.8	12.3
70°-80°	267.8	7.4
80°-90°	79.7	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°	985.8	27.2
0°-40°	1608.6	44.3
0°-60°	2832.5	78.1
0°-90°	3627.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3627.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1279	1279	1279	1279	1279	
5°	1278	1268	1274	1269	1276	122
15°	1229	1222	1223	1219	1227	347
25°	1143	1126	1129	1126	1127	524
35°	1000	992	997	994	998	626
45°	837	834	835	832	832	646
55°	654	648	652	648	647	583
65°	455	454	452	450	451	451
75°	254	253	254	251	253	269
85°	71	70	68	70	70	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1278.6	1278.6	1278.6	1278.6	1278.6
2.5°	1285.1	1274.0	1274.9	1271.3	1280.5
5°	1277.7	1267.6	1274.0	1269.4	1275.9
7.5°	1274.9	1258.4	1265.7	1258.4	1268.5
10°	1274.0	1251.0	1254.7	1251.0	1258.4
12.5°	1244.6	1239.1	1239.1	1237.2	1243.7
15°	1228.9	1221.6	1223.4	1218.8	1227.1
17.5°	1208.7	1202.3	1205.9	1200.4	1207.8
20°	1190.3	1178.4	1181.1	1175.6	1184.8
22.5°	1160.9	1154.4	1156.3	1153.5	1160.0
25°	1143.4	1125.9	1128.7	1125.9	1126.8
27.5°	1105.7	1092.8	1098.3	1096.5	1099.2
30°	1070.7	1064.3	1067.0	1061.5	1070.7
32.5°	1036.7	1025.7	1034.9	1029.3	1036.7
35°	999.9	992.5	997.1	994.4	998.1
37.5°	963.1	954.8	957.6	955.7	959.4
40°	922.6	919.0	919.0	917.1	916.2
42.5°	881.2	873.9	877.6	873.9	878.5
45°	837.1	834.3	835.2	832.5	831.6
47.5°	792.0	789.2	792.0	789.2	788.3
50°	745.1	743.3	743.3	741.4	741.4
52.5°	699.1	697.3	699.1	694.5	700.0
55°	654.0	648.5	652.2	647.6	646.7
57.5°	603.4	603.4	602.5	600.7	599.8
60°	552.8	553.8	553.8	551.0	547.3
62.5°	505.9	501.3	503.2	500.4	501.3
65°	455.3	453.5	451.7	449.8	450.7
67.5°	407.5	404.7	402.0	402.9	399.2
70°	354.1	353.2	353.2	352.3	349.6
72.5°	303.6	302.6	301.7	301.7	298.0
75°	253.9	253.0	253.9	251.1	253.0
77.5°	204.2	206.1	206.1	204.2	204.2
80°	160.1	159.1	159.1	157.3	157.3
82.5°	113.1	112.2	113.1	111.3	114.1
85°	70.8	69.9	68.1	69.9	69.9
87.5°	29.4	29.4	31.3	34.0	35.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)