

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: P314678

Luminaire Tested: **24FPSL2SCT3-3000K-HI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314678
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: 24FPSL2SCT3-3000K-HI
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6032.7 lumens
Efficiency: N/A
Efficacy: 99.7 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

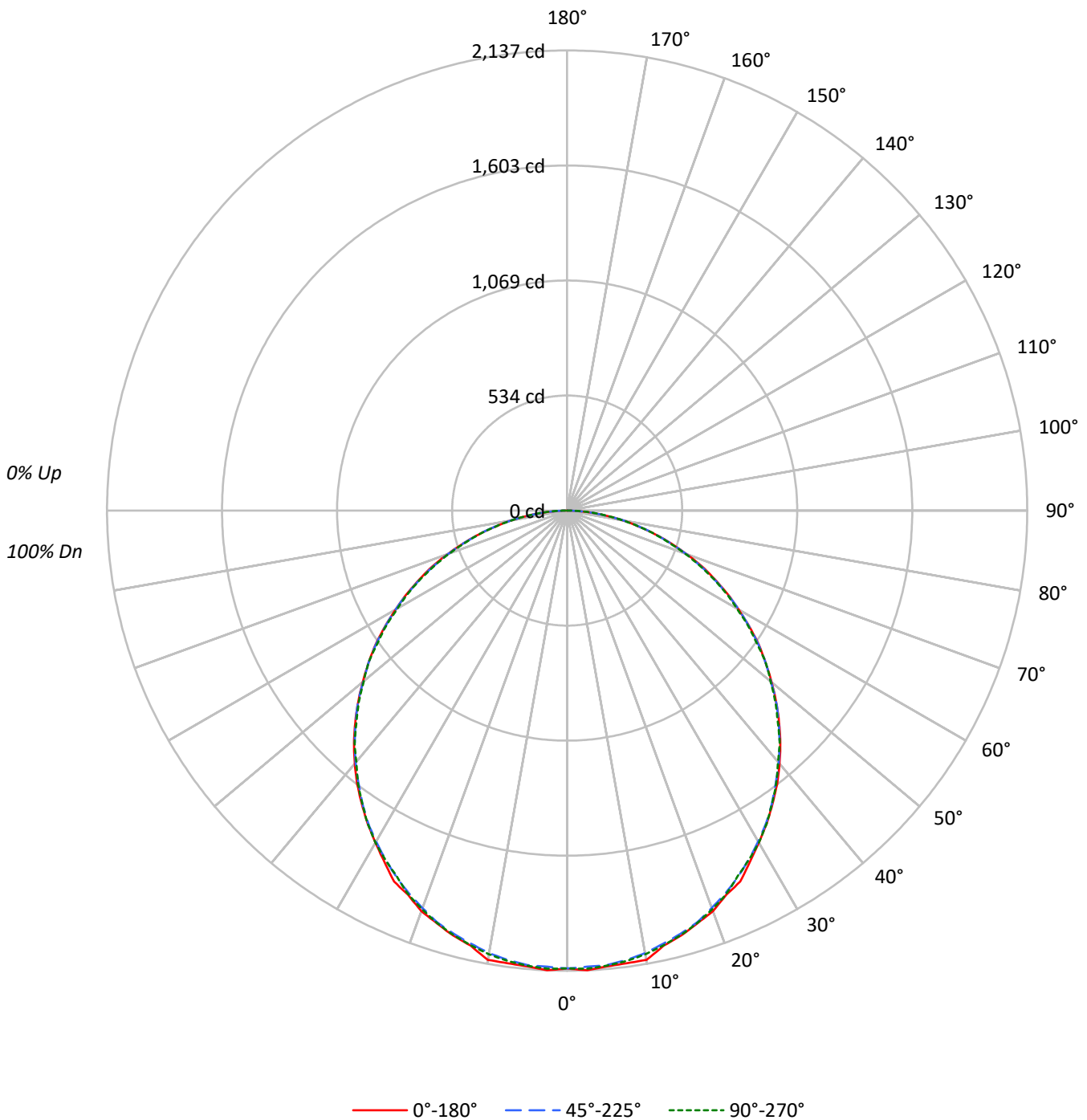
Input Watts (W): 60.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P314678

CATALOG NUMBER: 24FPSL2SCT3-3000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P314678

CATALOG NUMBER: 24FPSL2SCT3-3000K-HI

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°	2861	2861	2861
5°	2870	2861	2865
10°	2894	2851	2859
15°	2847	2834	2842
20°	2834	2812	2821
25°	2823	2786	2782
30°	2766	2757	2766
35°	2731	2723	2726
40°	2695	2684	2676
45°	2649	2643	2631
50°	2593	2587	2581
55°	2551	2544	2522
60°	2474	2478	2449
65°	2411	2391	2386
70°	2317	2311	2287
75°	2195	2195	2187
80°	2063	2050	2027
85°	1819	1748	1795



TEST NUMBER: P314678

CATALOG NUMBER: 24FPSL2SCT3-3000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	3.3
10°-20°	573.9	9.5
20°-30°	864.4	14.3
30°-40°	1035.6	17.2
40°-50°	1069.4	17.7
50°-60°	965.8	16.0
60°-70°	744.7	12.3
70°-80°	445.3	7.4
80°-90°	132.6	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°	1639.3	27.2
0°-40°	2674.9	44.3
0°-60°	4710.1	78.1
0°-90°	6032.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6032.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2126	2126	2126	2126	2126	
5°	2125	2108	2118	2111	2122	203
15°	2044	2031	2034	2027	2040	577
25°	1901	1872	1877	1872	1874	871
35°	1663	1650	1658	1654	1660	1041
45°	1392	1387	1389	1384	1383	1074
55°	1088	1078	1084	1077	1075	969
65°	757	754	751	748	750	750
75°	422	421	422	418	421	447
85°	118	116	113	116	116	133
90°	0	0	0	0	0	



TEST NUMBER: P314678

CATALOG NUMBER: 24FPSL2SCT3-3000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2126.2	2126.2	2126.2	2126.2	2126.2
2.5°	2136.9	2118.5	2120.0	2113.9	2129.2
5°	2124.6	2107.8	2118.5	2110.9	2121.6
7.5°	2120.0	2092.5	2104.8	2092.5	2109.3
10°	2118.5	2080.3	2086.4	2080.3	2092.5
12.5°	2069.6	2060.4	2060.4	2057.3	2068.0
15°	2043.6	2031.3	2034.4	2026.7	2040.5
17.5°	2009.9	1999.2	2005.3	1996.2	2008.4
20°	1979.3	1959.4	1964.0	1954.9	1970.1
22.5°	1930.4	1919.7	1922.7	1918.1	1928.8
25°	1901.3	1872.3	1876.8	1872.3	1873.8
27.5°	1838.6	1817.2	1826.4	1823.3	1827.9
30°	1780.5	1769.8	1774.4	1765.2	1780.5
32.5°	1723.9	1705.5	1720.8	1711.6	1723.9
35°	1662.7	1650.5	1658.1	1653.5	1659.6
37.5°	1601.5	1587.7	1592.3	1589.3	1595.4
40°	1534.2	1528.1	1528.1	1525.0	1523.5
42.5°	1465.4	1453.1	1459.3	1453.1	1460.8
45°	1392.0	1387.4	1388.9	1384.3	1382.8
47.5°	1317.0	1312.4	1317.0	1312.4	1310.9
50°	1239.0	1235.9	1235.9	1232.9	1232.9
52.5°	1162.5	1159.5	1162.5	1154.9	1164.0
55°	1087.6	1078.4	1084.5	1076.9	1075.3
57.5°	1003.4	1003.4	1001.9	998.8	997.3
60°	919.3	920.8	920.8	916.2	910.1
62.5°	841.3	833.6	836.7	832.1	833.6
65°	757.2	754.1	751.0	748.0	749.5
67.5°	677.6	673.0	668.4	670.0	663.9
70°	588.9	587.4	587.4	585.8	581.3
72.5°	504.8	503.2	501.7	501.7	495.6
75°	422.2	420.6	422.2	417.6	420.6
77.5°	339.6	342.6	342.6	339.6	339.6
80°	266.2	264.6	264.6	261.6	261.6
82.5°	188.1	186.6	188.1	185.1	189.7
85°	117.8	116.3	113.2	116.3	116.3
87.5°	48.9	48.9	52.0	56.6	58.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)