

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: P314685

Luminaire Tested: **14FPSL2SCT3-3000K-LOW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-26)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14FPSL2SCT3-3000K-LOW
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

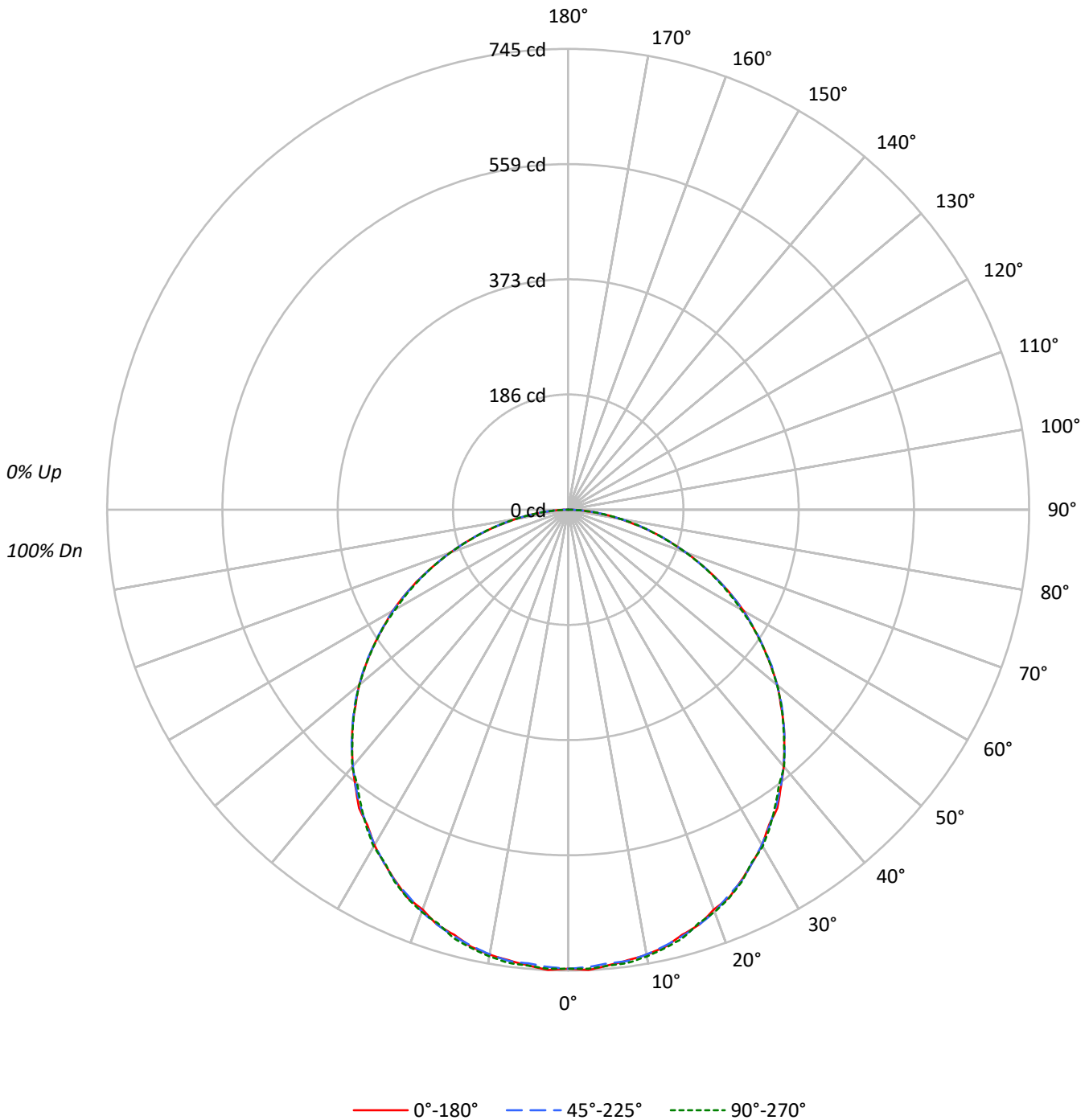
Lumens per Lamp: N/A
Luminaire Lumens: 2121.1 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 18.7
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	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46		57	51	46		56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50	44	40	38
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	45	37	32		43	37	32		42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	28	27
10	53	39	32	26	51	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1997	1997	1997
5°	1998	1989	1999
10°	1996	1995	2003
15°	1982	1988	1997
20°	1970	1980	1982
25°	1964	1967	1970
30°	1946	1944	1954
35°	1936	1924	1917
40°	1903	1901	1907
45°	1875	1875	1872
50°	1847	1845	1845
55°	1803	1803	1798
60°	1764	1759	1736
65°	1692	1685	1675
70°	1596	1596	1589
75°	1480	1485	1480
80°	1306	1323	1339
85°	1059	1124	1090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.3
10°-20°	201.7	9.5
20°-30°	304.9	14.4
30°-40°	366.7	17.3
40°-50°	380.2	17.9
50°-60°	343.5	16.2
60°-70°	261.9	12.3
70°-80°	150.6	7.1
80°-90°	41.3	1.9
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°	576.9	27.2
0°-40°	943.6	44.5
0°-60°	1667.3	78.6
0°-90°	2121.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2121.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	740	739	736	741	740	70
15°	712	715	714	716	717	201
25°	662	662	662	660	664	305
35°	589	589	586	587	584	367
45°	493	494	493	492	492	380
55°	384	386	384	384	383	343
65°	266	265	265	264	263	262
75°	142	142	143	142	142	150
85°	34	35	36	35	35	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.1	742.1	742.1	742.1	742.1
2.5°	744.8	744.2	740.0	742.7	742.7
5°	739.5	739.0	736.3	740.6	740.0
7.5°	734.8	735.8	735.8	737.9	739.0
10°	730.5	732.6	730.0	734.2	733.2
12.5°	723.7	724.2	722.1	723.7	725.8
15°	711.6	714.7	713.7	715.8	716.8
17.5°	703.7	703.7	703.7	706.8	701.0
20°	687.8	692.1	691.5	692.1	692.1
22.5°	678.9	675.2	675.7	679.9	679.4
25°	661.5	661.5	662.5	659.9	663.6
27.5°	644.1	644.6	644.1	644.6	642.5
30°	626.2	626.2	625.7	626.7	628.8
32.5°	604.0	608.8	605.6	606.7	607.2
35°	589.3	589.3	585.6	586.6	583.5
37.5°	564.5	564.0	564.0	564.5	559.8
40°	541.8	541.3	541.3	540.8	542.9
42.5°	517.1	518.1	518.1	518.1	516.5
45°	492.8	493.9	492.8	492.3	491.8
47.5°	465.9	468.1	468.1	467.5	467.0
50°	441.2	442.8	440.6	439.1	440.6
52.5°	412.2	414.3	414.3	411.1	412.2
55°	384.2	385.8	384.2	383.7	383.2
57.5°	354.2	356.8	355.8	354.7	354.2
60°	327.8	327.8	326.8	323.1	322.6
62.5°	296.7	297.8	296.7	294.1	293.1
65°	265.7	265.1	264.6	263.5	263.0
67.5°	233.0	235.6	233.5	233.5	233.5
70°	202.9	204.0	202.9	201.9	201.9
72.5°	171.8	172.4	171.8	170.8	170.8
75°	142.3	141.8	142.8	142.3	142.3
77.5°	111.2	113.9	113.3	112.3	113.9
80°	84.3	84.9	85.4	85.9	86.4
82.5°	58.5	59.0	60.1	60.1	59.0
85°	34.3	35.3	36.4	35.3	35.3
87.5°	13.7	14.2	13.7	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)