

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: P314687

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314687  
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-HI  
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3748.1 lumens  
Efficiency: N/A  
Efficacy: 103.3 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

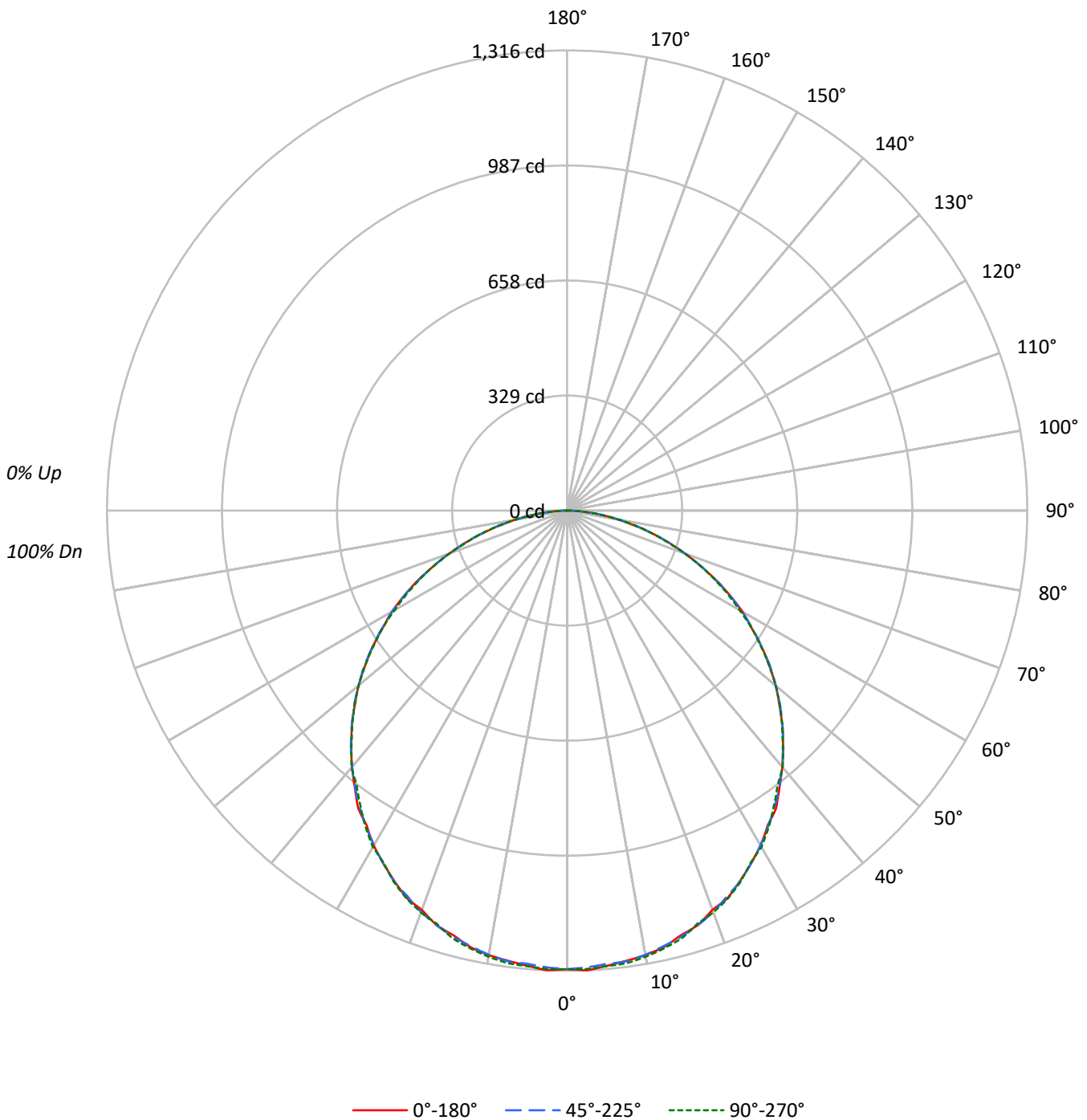
Input Watts (W): 36.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58					58			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50					50			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43					43			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38					38			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3529	3529	3529
5°	3530	3515	3532
10°	3527	3525	3540
15°	3503	3513	3529
20°	3481	3499	3502
25°	3471	3476	3482
30°	3438	3435	3453
35°	3421	3399	3387
40°	3364	3360	3370
45°	3314	3314	3307
50°	3264	3260	3260
55°	3186	3186	3177
60°	3118	3108	3068
65°	2989	2977	2960
70°	2821	2821	2806
75°	2615	2624	2615
80°	2309	2338	2366
85°	1868	1985	1927



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.3	3.3
10°-20°	356.4	9.5
20°-30°	538.7	14.4
30°-40°	647.9	17.3
40°-50°	671.9	17.9
50°-60°	607.0	16.2
60°-70°	462.8	12.3
70°-80°	266.0	7.1
80°-90°	73.0	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°	1019.4	27.2
0°-40°	1667.3	44.5
0°-60°	2946.3	78.6
0°-90°	3748.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3748.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1307	1306	1301	1309	1308	124
15°	1257	1263	1261	1265	1267	356
25°	1169	1169	1171	1166	1173	539
35°	1041	1041	1035	1037	1031	648
45°	871	873	871	870	869	671
55°	679	682	679	678	677	607
65°	469	468	468	466	465	464
75°	252	250	252	252	252	265
85°	60	62	64	62	62	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1311.4	1311.4	1311.4	1311.4	1311.4
2.5°	1316.1	1315.1	1307.7	1312.3	1312.3
5°	1306.7	1305.8	1301.2	1308.6	1307.7
7.5°	1298.4	1300.2	1300.2	1303.9	1305.8
10°	1290.9	1294.6	1290.0	1297.4	1295.6
12.5°	1278.8	1279.7	1276.0	1278.8	1282.5
15°	1257.4	1263.0	1261.1	1264.8	1266.7
17.5°	1243.4	1243.4	1243.4	1249.0	1238.8
20°	1215.5	1222.9	1222.0	1222.9	1222.9
22.5°	1199.6	1193.1	1194.0	1201.5	1200.6
25°	1168.9	1168.9	1170.8	1166.1	1172.6
27.5°	1138.2	1139.1	1138.2	1139.1	1135.4
30°	1106.5	1106.5	1105.6	1107.4	1111.2
32.5°	1067.4	1075.8	1070.2	1072.0	1073.0
35°	1041.3	1041.3	1034.8	1036.6	1031.1
37.5°	997.5	996.6	996.6	997.5	989.1
40°	957.5	956.5	956.5	955.6	959.3
42.5°	913.7	915.6	915.6	915.6	912.8
45°	870.9	872.7	870.9	869.9	869.0
47.5°	823.4	827.1	827.1	826.1	825.2
50°	779.6	782.4	778.6	775.8	778.6
52.5°	728.3	732.1	732.1	726.5	728.3
55°	679.0	681.8	679.0	678.1	677.1
57.5°	625.9	630.6	628.7	626.8	625.9
60°	579.3	579.3	577.5	570.9	570.0
62.5°	524.4	526.2	524.4	519.7	517.9
65°	469.4	468.5	467.6	465.7	464.8
67.5°	411.7	416.3	412.6	412.6	412.6
70°	358.6	360.4	358.6	356.7	356.7
72.5°	303.6	304.6	303.6	301.8	301.8
75°	251.5	250.5	252.4	251.5	251.5
77.5°	196.5	201.2	200.2	198.4	201.2
80°	149.0	150.0	150.9	151.8	152.7
82.5°	103.4	104.3	106.2	106.2	104.3
85°	60.5	62.4	64.3	62.4	62.4
87.5°	24.2	25.1	24.2	26.1	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)