

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: P289659

Luminaire Tested: **4SSRK-30-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-30-L850-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3380.4 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

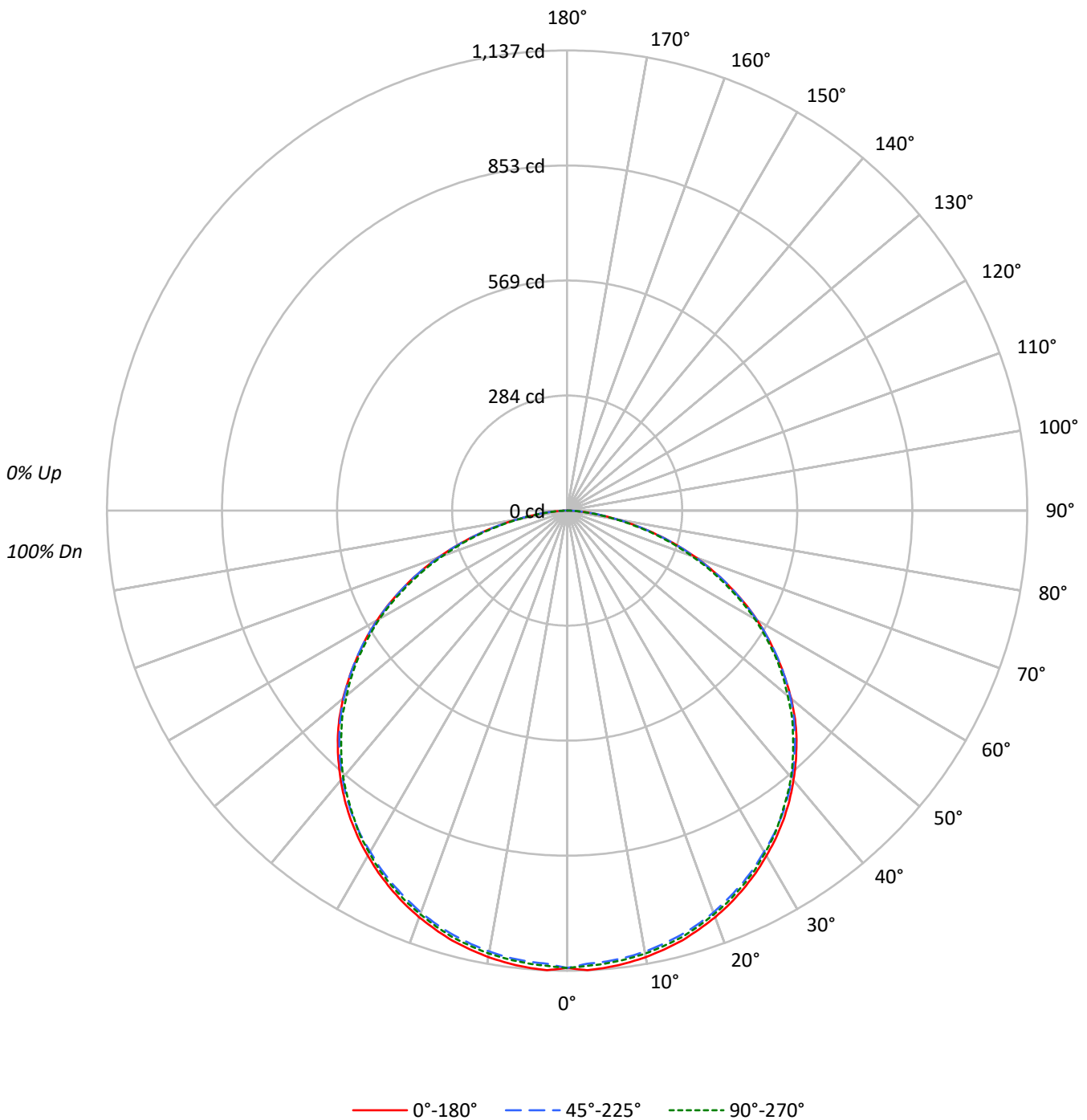
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289659

CATALOG NUMBER: 4SSRK-30-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289659

CATALOG NUMBER: 4SSRK-30-L850-CD1-U

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	100	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	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	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72985	72985	72985
5°	73192	57993	53935
10°	72939	48241	42744
15°	72709	41118	35235
20°	72386	35594	29703
25°	72061	31129	25465
30°	71723	27390	22018
35°	71405	24253	19111
40°	70878	21429	16664
45°	70294	18847	14420
50°	69196	16426	12389
55°	67398	14068	10531
60°	65344	11775	8721
65°	62075	9492	6888
70°	57471	7172	5144
75°	49668	4903	3481
80°	38115	2738	1878
85°	22738	990	619



TEST NUMBER: P289659

CATALOG NUMBER: 4SSRK-30-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.2
10°-20°	308.6	9.1
20°-30°	472.9	14.0
30°-40°	579.7	17.1
40°-50°	614.1	18.2
50°-60°	566.2	16.8
60°-70°	435.1	12.9
70°-80°	241.2	7.1
80°-90°	55.5	1.6
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°	888.6	26.3
0°-40°	1468.2	43.4
0°-60°	2648.6	78.4
0°-90°	3380.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3380.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1133	1128	1118	1129	1123	108
15°	1100	1094	1086	1096	1092	310
25°	1031	1027	1019	1029	1024	475
35°	932	928	923	926	921	583
45°	802	799	796	795	789	618
55°	634	639	635	632	628	567
65°	442	444	443	437	432	437
75°	230	230	229	226	222	243
85°	45	46	45	43	39	56
90°	0	0	0	0	0	



TEST NUMBER: P289659

CATALOG NUMBER: 4SSRK-30-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.1	1130.1	1130.1	1130.1	1130.1
2.5°	1136.8	1131.2	1120.8	1131.2	1126.0
5°	1133.1	1128.3	1118.2	1129.0	1123.1
7.5°	1127.9	1123.8	1113.8	1124.2	1118.2
10°	1120.4	1116.0	1106.3	1117.5	1111.5
12.5°	1110.4	1106.3	1097.0	1107.4	1102.2
15°	1099.6	1094.4	1085.9	1095.6	1091.8
17.5°	1084.8	1080.7	1072.2	1081.4	1077.4
20°	1069.2	1065.1	1056.6	1065.8	1061.4
22.5°	1051.4	1047.3	1038.3	1048.4	1043.9
25°	1030.9	1027.2	1019.0	1029.4	1023.9
27.5°	1009.4	1006.4	997.5	1006.0	1002.7
30°	984.9	983.0	973.3	980.0	977.1
32.5°	960.0	956.6	949.9	955.1	952.2
35°	932.1	927.6	923.2	926.5	921.3
37.5°	902.4	899.4	894.6	897.5	891.6
40°	870.1	867.5	863.7	864.5	861.1
42.5°	836.6	833.7	830.7	829.2	825.5
45°	801.7	799.1	796.1	795.0	789.4
47.5°	763.8	762.0	760.1	757.5	753.4
50°	722.9	723.7	720.3	718.1	711.1
52.5°	679.1	683.6	678.7	675.4	671.3
55°	634.2	639.0	634.9	632.3	627.8
57.5°	589.6	591.8	589.2	587.3	581.4
60°	542.4	544.3	542.4	538.3	535.3
62.5°	493.7	496.0	492.2	489.3	485.2
65°	442.5	443.6	442.8	436.9	431.7
67.5°	390.8	392.7	390.4	386.4	381.2
70°	339.2	338.1	336.2	333.2	326.6
72.5°	284.6	284.6	284.2	278.6	275.3
75°	230.0	230.3	229.2	225.5	222.2
77.5°	175.3	179.4	176.5	172.7	169.0
80°	126.7	129.3	126.7	121.9	119.6
82.5°	81.0	84.7	82.5	77.6	76.9
85°	45.3	46.1	45.0	42.7	39.0
87.5°	17.1	17.8	18.2	14.9	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)