

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: P289688

Luminaire Tested: **8SSRK-40-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289688
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: 8SSRK-40-L830-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4316.4 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

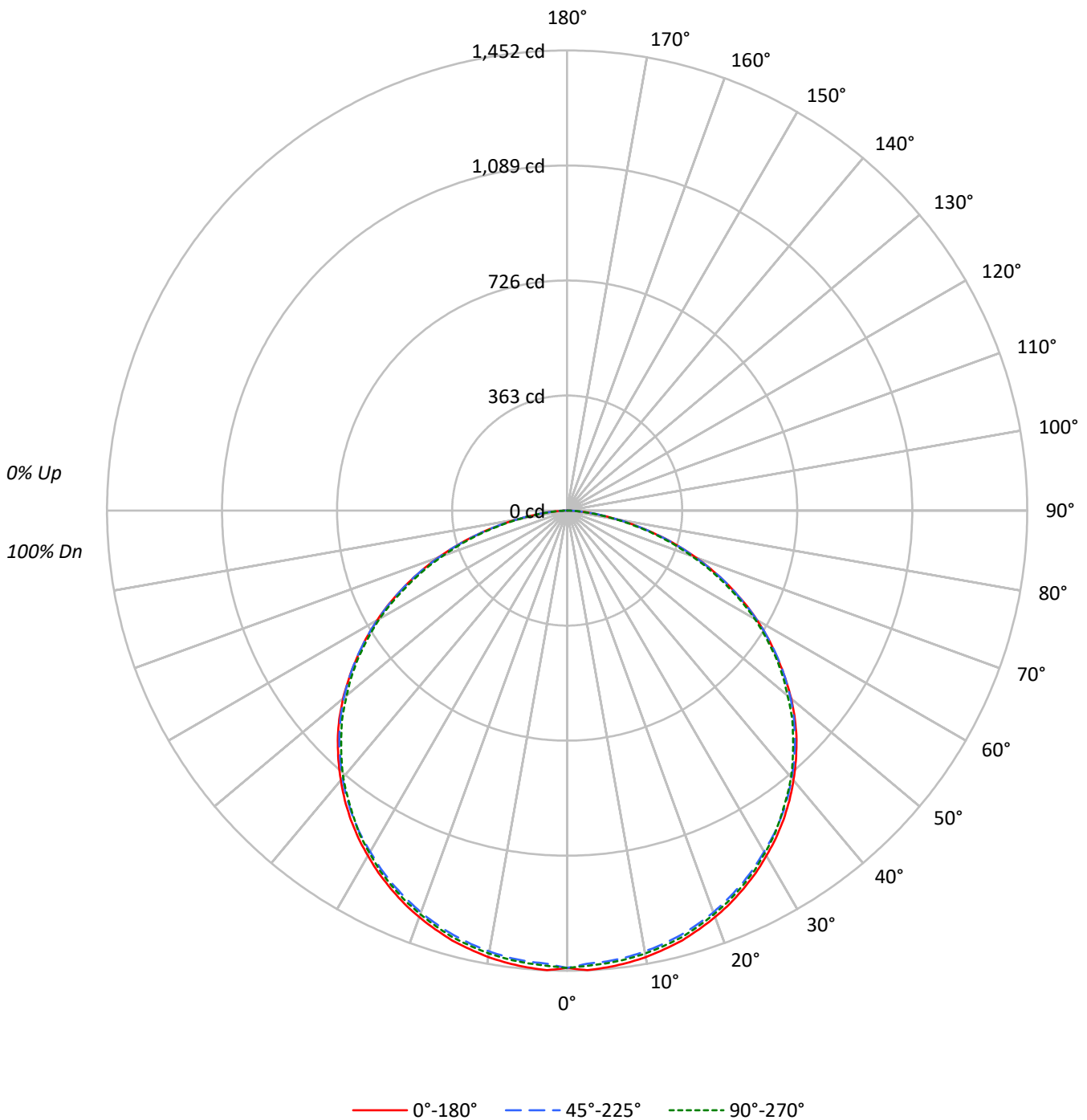
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	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	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46597	46597	46597
5°	46812	37065	34433
10°	46740	30854	27290
15°	46679	26311	22497
20°	46561	22784	18964
25°	46452	19934	16258
30°	46335	17545	14057
35°	46244	15537	12201
40°	46028	13732	10640
45°	45795	12080	9207
50°	45250	10530	7910
55°	44273	9019	6724
60°	43172	7550	5569
65°	41324	6088	4397
70°	38677	4600	3284
75°	33988	3145	2222
80°	26909	1757	1199
85°	17326	635	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	3.2
10°-20°	394.0	9.1
20°-30°	603.8	14.0
30°-40°	740.2	17.1
40°-50°	784.1	18.2
50°-60°	723.0	16.8
60°-70°	555.6	12.9
70°-80°	308.0	7.1
80°-90°	70.8	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°	1134.6	26.3
0°-40°	1874.8	43.4
0°-60°	3382.0	78.4
0°-90°	4316.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4316.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1443	1443	1443	1443	1443	
5°	1447	1441	1428	1442	1434	138
15°	1404	1398	1387	1399	1394	396
25°	1316	1312	1301	1314	1307	607
35°	1190	1184	1179	1183	1176	745
45°	1024	1020	1017	1015	1008	789
55°	810	816	811	807	802	724
65°	565	566	566	558	551	558
75°	294	294	293	288	284	311
85°	58	59	57	55	50	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1443.0	1443.0	1443.0	1443.0	1443.0
2.5°	1451.6	1444.5	1431.2	1444.5	1437.8
5°	1446.8	1440.7	1427.9	1441.6	1434.0
7.5°	1440.2	1435.0	1422.2	1435.5	1427.9
10°	1430.7	1425.0	1412.7	1426.9	1419.3
12.5°	1417.9	1412.7	1400.8	1414.1	1407.5
15°	1404.1	1397.5	1386.6	1398.9	1394.2
17.5°	1385.2	1380.0	1369.0	1380.9	1375.7
20°	1365.2	1360.0	1349.1	1361.0	1355.3
22.5°	1342.5	1337.3	1325.9	1338.7	1333.0
25°	1316.4	1311.6	1301.2	1314.5	1307.4
27.5°	1288.9	1285.1	1273.7	1284.6	1280.3
30°	1257.6	1255.2	1242.9	1251.4	1247.6
32.5°	1225.8	1221.5	1213.0	1219.6	1215.8
35°	1190.2	1184.5	1178.8	1183.1	1176.4
37.5°	1152.3	1148.5	1142.3	1146.1	1138.5
40°	1111.0	1107.7	1102.9	1103.9	1099.6
42.5°	1068.3	1064.5	1060.7	1058.8	1054.1
45°	1023.7	1020.4	1016.6	1015.2	1008.0
47.5°	975.3	972.9	970.6	967.2	962.0
50°	923.1	924.1	919.8	917.0	908.0
52.5°	867.2	872.8	866.7	862.4	857.2
55°	809.8	815.9	810.7	807.4	801.7
57.5°	752.8	755.7	752.4	750.0	742.4
60°	692.6	695.0	692.6	687.4	683.6
62.5°	630.4	633.3	628.5	624.8	619.5
65°	565.0	566.4	565.5	557.9	551.2
67.5°	499.0	501.4	498.6	493.3	486.7
70°	433.1	431.7	429.3	425.5	417.0
72.5°	363.4	363.4	362.9	355.8	351.5
75°	293.6	294.1	292.7	287.9	283.7
77.5°	223.9	229.1	225.3	220.6	215.8
80°	161.8	165.1	161.8	155.6	152.7
82.5°	103.4	108.2	105.3	99.1	98.2
85°	57.9	58.8	57.4	54.6	49.8
87.5°	21.8	22.8	23.2	19.0	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)