

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: P289689

Luminaire Tested: **8SSRK-40-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289689
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-L835-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3500K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4390.9 lumens
Efficiency: N/A
Efficacy: 162.5 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

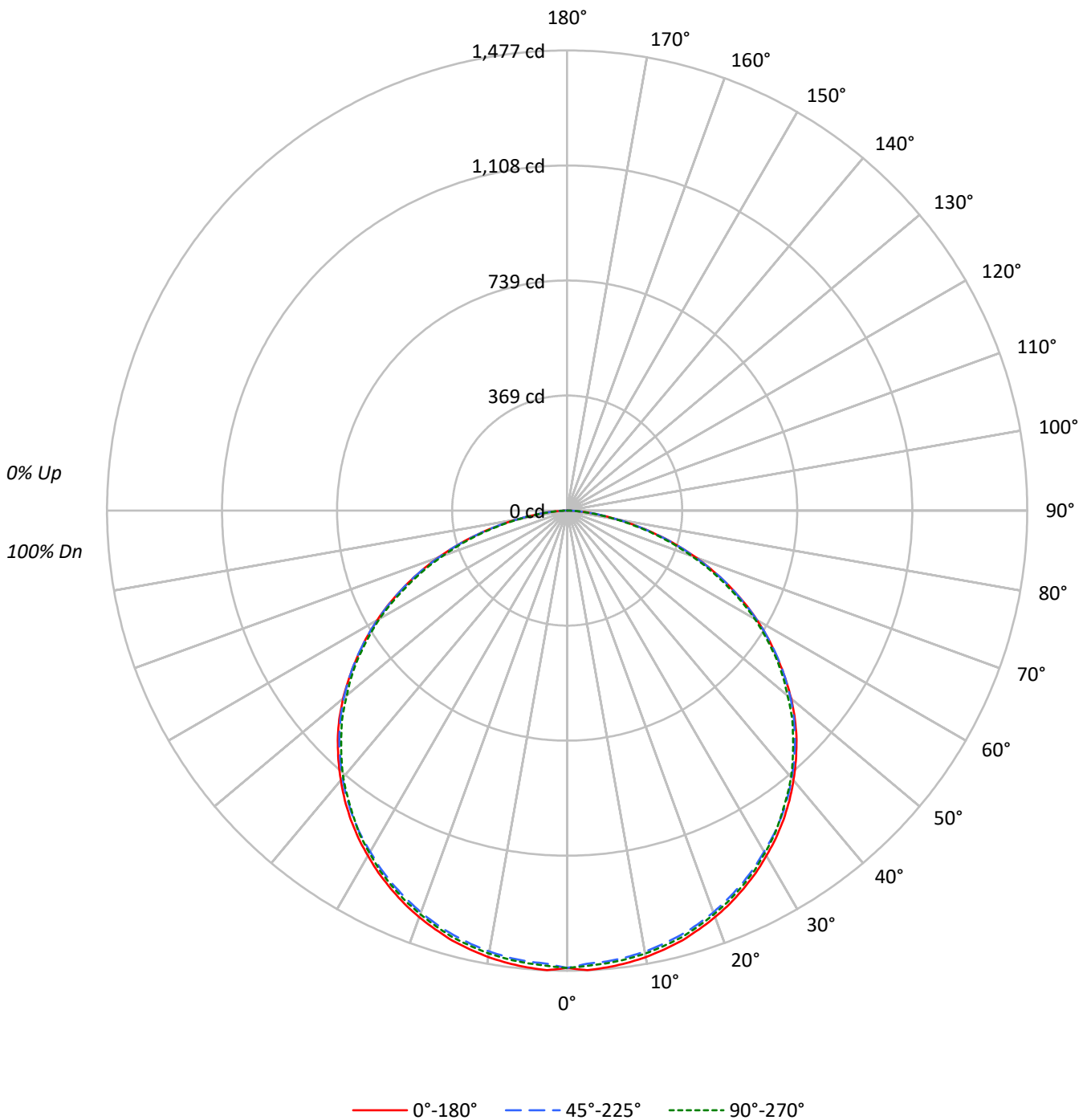
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	47401	47401	47401
5°	47621	37704	35028
10°	47547	31387	27761
15°	47487	26764	22884
20°	47365	23177	19292
25°	47253	20278	16538
30°	47134	17847	14299
35°	47040	15806	12412
40°	46819	13968	10824
45°	46587	12288	9365
50°	46034	10712	8046
55°	45033	9175	6840
60°	43914	7680	5665
65°	42034	6193	4473
70°	39347	4679	3340
75°	34579	3199	2261
80°	27375	1787	1220
85°	17626	646	402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	3.2
10°-20°	400.8	9.1
20°-30°	614.3	14.0
30°-40°	753.0	17.1
40°-50°	797.7	18.2
50°-60°	735.5	16.8
60°-70°	565.2	12.9
70°-80°	313.3	7.1
80°-90°	72.1	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°	1154.2	26.3
0°-40°	1907.2	43.4
0°-60°	3440.3	78.4
0°-90°	4390.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4390.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1472	1466	1452	1466	1459	140
15°	1428	1422	1410	1423	1418	403
25°	1339	1334	1324	1337	1330	618
35°	1211	1205	1199	1204	1197	757
45°	1041	1038	1034	1033	1025	802
55°	824	830	825	821	816	737
65°	575	576	575	568	561	568
75°	299	299	298	293	289	316
85°	59	60	58	56	51	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1467.9	1467.9	1467.9	1467.9	1467.9
2.5°	1476.6	1469.4	1455.9	1469.4	1462.6
5°	1471.8	1465.5	1452.5	1466.5	1458.8
7.5°	1465.0	1459.7	1446.7	1460.2	1452.5
10°	1455.4	1449.6	1437.1	1451.5	1443.8
12.5°	1442.4	1437.1	1425.0	1438.5	1431.7
15°	1428.4	1421.6	1410.5	1423.1	1418.2
17.5°	1409.1	1403.8	1392.7	1404.7	1399.4
20°	1388.8	1383.5	1372.4	1384.5	1378.7
22.5°	1365.6	1360.3	1348.7	1361.8	1356.0
25°	1339.1	1334.3	1323.7	1337.2	1329.9
27.5°	1311.1	1307.2	1295.7	1306.8	1302.4
30°	1279.3	1276.8	1264.3	1273.0	1269.1
32.5°	1246.9	1242.6	1233.9	1240.7	1236.8
35°	1210.7	1204.9	1199.2	1203.5	1196.7
37.5°	1172.1	1168.3	1162.0	1165.9	1158.1
40°	1130.1	1126.8	1121.9	1122.9	1118.6
42.5°	1086.7	1082.9	1079.0	1077.1	1072.2
45°	1041.4	1038.0	1034.1	1032.7	1025.4
47.5°	992.1	989.7	987.3	983.9	978.6
50°	939.1	940.0	935.7	932.8	923.6
52.5°	882.1	887.9	881.6	877.3	872.0
55°	823.7	830.0	824.7	821.3	815.5
57.5°	765.8	768.7	765.3	762.9	755.2
60°	704.5	706.9	704.5	699.2	695.4
62.5°	641.3	644.2	639.4	635.5	630.2
65°	574.7	576.2	575.2	567.5	560.7
67.5°	507.7	510.1	507.2	501.9	495.1
70°	440.6	439.1	436.7	432.9	424.2
72.5°	369.6	369.6	369.2	361.9	357.6
75°	298.7	299.2	297.7	292.9	288.6
77.5°	227.8	233.1	229.2	224.4	219.6
80°	164.6	167.9	164.6	158.3	155.4
82.5°	105.2	110.0	107.1	100.9	99.9
85°	58.9	59.8	58.4	55.5	50.7
87.5°	22.2	23.2	23.6	19.3	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)