

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: P289665

Luminaire Tested: **4SSRK-40-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289665
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-40-L835-CD1-U
Description: 4000 LUMEN, 4 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: 4419.7 lumens
Efficiency: N/A
Efficacy: 159.6 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

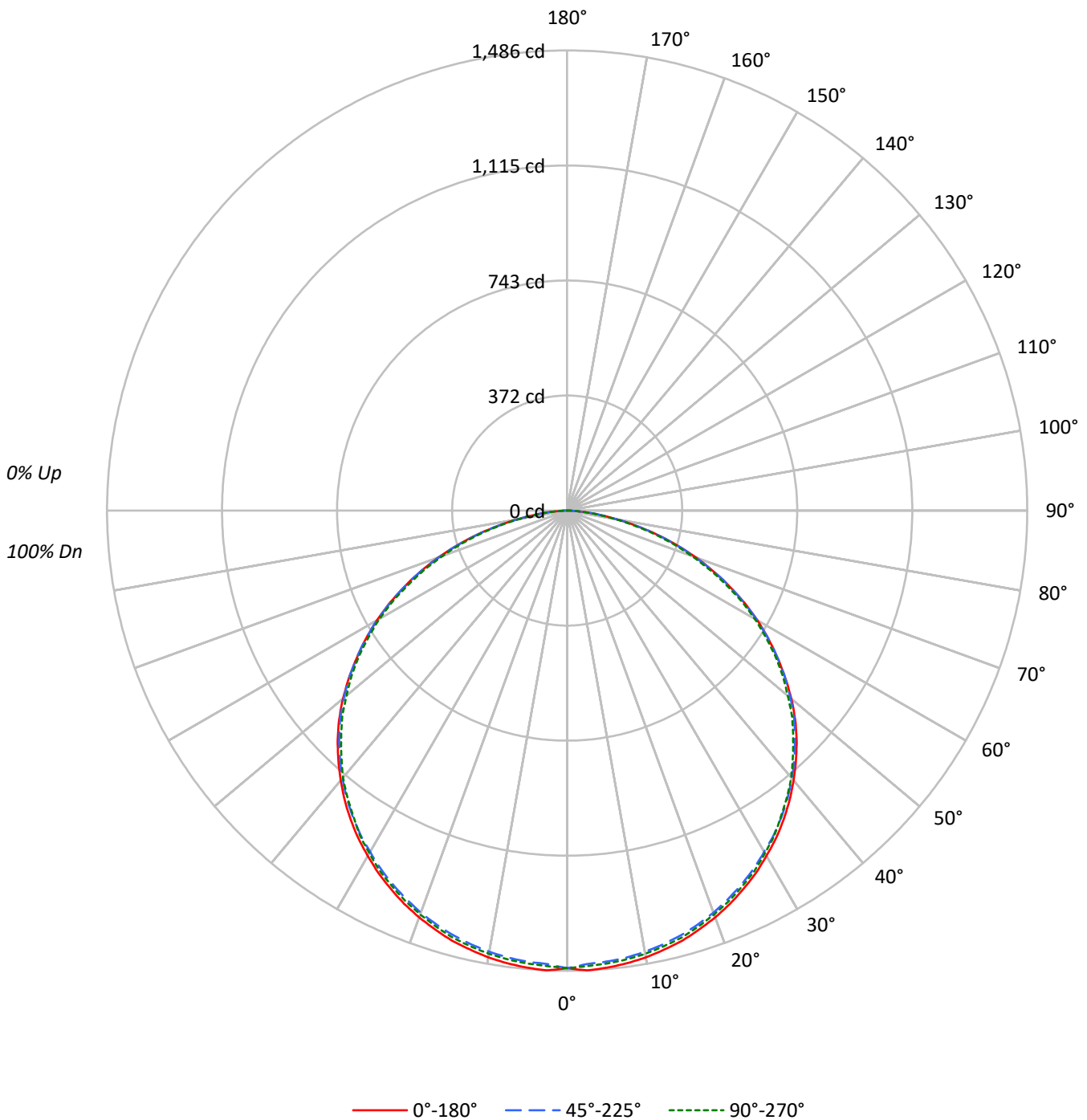
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	95428	95428	95428
5°	95696	75828	70518
10°	95373	63075	55888
15°	95072	53761	46072
20°	94639	46535	38835
25°	94220	40703	33294
30°	93773	35812	28787
35°	93360	31709	24987
40°	92668	28019	21789
45°	91907	24643	18855
50°	90475	21477	16197
55°	88111	18394	13770
60°	85438	15396	11403
65°	81153	12412	9005
70°	75143	9377	6725
75°	64936	6411	4551
80°	49818	3579	2456
85°	29766	1294	809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	3.2
10°-20°	403.5	9.1
20°-30°	618.3	14.0
30°-40°	757.9	17.1
40°-50°	802.9	18.2
50°-60°	740.3	16.8
60°-70°	568.9	12.9
70°-80°	315.3	7.1
80°-90°	72.5	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°	1161.8	26.3
0°-40°	1919.7	43.4
0°-60°	3462.9	78.4
0°-90°	4419.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4419.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1478	1478	1478	1478	1478	
5°	1482	1475	1462	1476	1468	141
15°	1438	1431	1420	1432	1428	406
25°	1348	1343	1332	1346	1339	622
35°	1219	1213	1207	1211	1205	762
45°	1048	1045	1041	1040	1032	808
55°	829	836	830	827	821	742
65°	578	580	579	571	564	572
75°	301	301	300	295	290	318
85°	59	60	59	56	51	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1477.6	1477.6	1477.6	1477.6	1477.6
2.5°	1486.3	1479.1	1465.5	1479.1	1472.3
5°	1481.5	1475.2	1462.1	1476.1	1468.4
7.5°	1474.7	1469.3	1456.2	1469.8	1462.1
10°	1465.0	1459.1	1446.5	1461.1	1453.3
12.5°	1451.9	1446.5	1434.4	1448.0	1441.2
15°	1437.8	1431.0	1419.8	1432.4	1427.6
17.5°	1418.3	1413.0	1401.8	1414.0	1408.6
20°	1397.9	1392.6	1381.4	1393.6	1387.7
22.5°	1374.6	1369.3	1357.6	1370.7	1364.9
25°	1347.9	1343.0	1332.4	1346.0	1338.7
27.5°	1319.7	1315.8	1304.2	1315.4	1311.0
30°	1287.7	1285.2	1272.6	1281.4	1277.5
32.5°	1255.1	1250.8	1242.0	1248.8	1244.9
35°	1218.7	1212.9	1207.0	1211.4	1204.6
37.5°	1179.8	1176.0	1169.6	1173.5	1165.8
40°	1137.6	1134.2	1129.3	1130.3	1125.9
42.5°	1093.9	1090.0	1086.1	1084.2	1079.3
45°	1048.2	1044.8	1040.9	1039.5	1032.2
47.5°	998.7	996.2	993.8	990.4	985.1
50°	945.2	946.2	941.8	938.9	929.7
52.5°	887.9	893.7	887.4	883.1	877.7
55°	829.1	835.5	830.1	826.7	820.9
57.5°	770.9	773.8	770.4	767.9	760.2
60°	709.2	711.6	709.2	703.8	699.9
62.5°	645.5	648.5	643.6	639.7	634.4
65°	578.5	580.0	579.0	571.2	564.4
67.5°	511.0	513.4	510.5	505.2	498.4
70°	443.5	442.0	439.6	435.7	427.0
72.5°	372.1	372.1	371.6	364.3	359.9
75°	300.7	301.2	299.7	294.8	290.5
77.5°	229.3	234.6	230.7	225.9	221.0
80°	165.6	169.0	165.6	159.3	156.4
82.5°	105.9	110.7	107.8	101.5	100.5
85°	59.3	60.2	58.8	55.9	51.0
87.5°	22.3	23.3	23.8	19.4	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)