

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: P289686

Luminaire Tested: **8SSRK-40-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289686
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-L940-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3777.7 lumens
Efficiency: N/A
Efficacy: 139.8 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

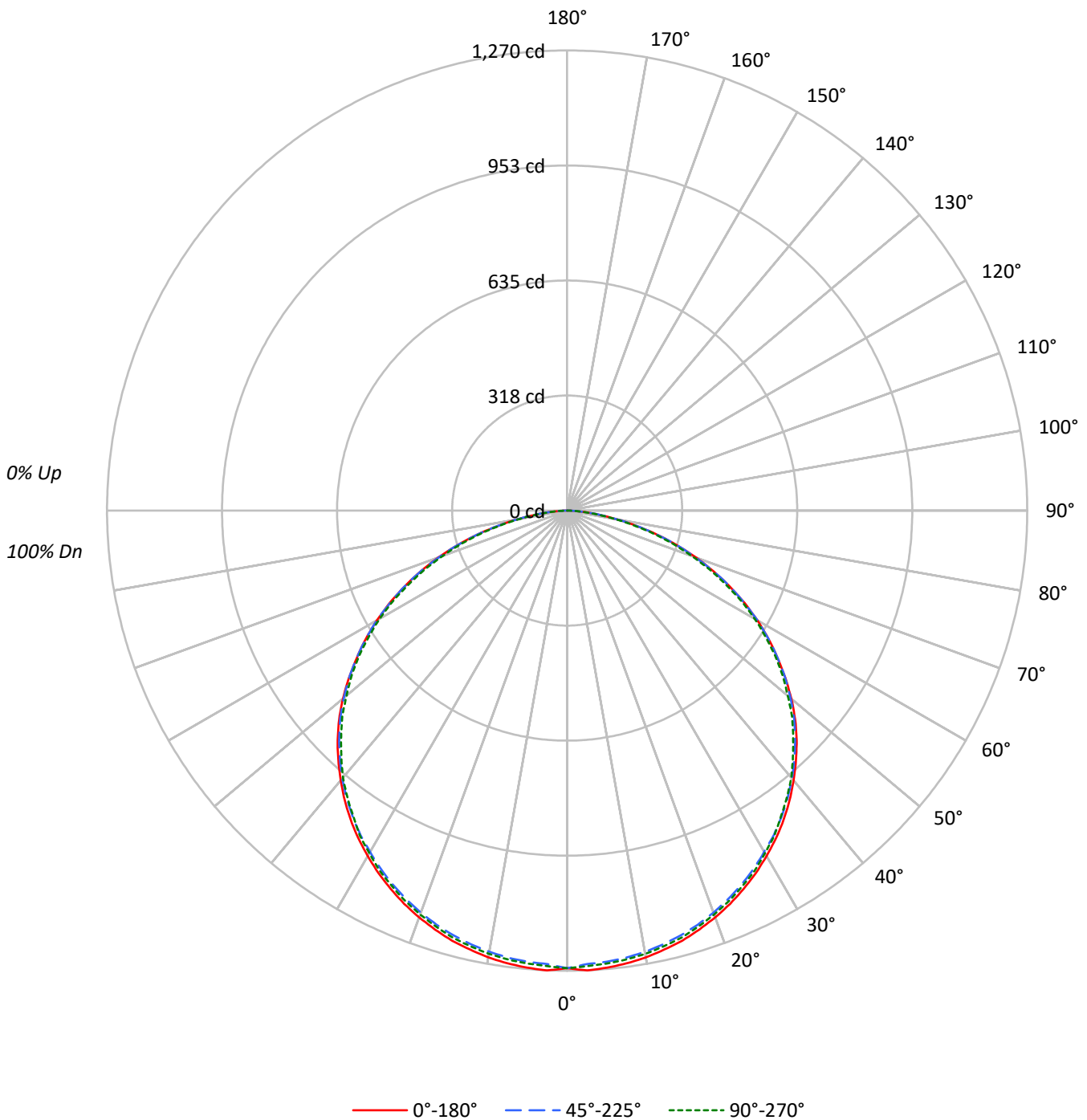
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289686

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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°	40781	40781	40781
5°	40972	32440	30135
10°	40906	27004	23885
15°	40855	23026	19689
20°	40749	19940	16597
25°	40654	17446	14228
30°	40550	15354	12302
35°	40474	13599	10679
40°	40282	12019	9312
45°	40078	10572	8058
50°	39603	9215	6922
55°	38746	7893	5884
60°	37780	6607	4874
65°	36168	5328	3848
70°	33846	4026	2873
75°	29751	2753	1945
80°	23549	1538	1050
85°	15172	555	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	3.2
10°-20°	344.8	9.1
20°-30°	528.5	14.0
30°-40°	647.8	17.1
40°-50°	686.3	18.2
50°-60°	632.8	16.8
60°-70°	486.3	12.9
70°-80°	269.5	7.1
80°-90°	62.0	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°	993.0	26.3
0°-40°	1640.8	43.4
0°-60°	2959.8	78.4
0°-90°	3777.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3777.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1266	1261	1250	1262	1255	120
15°	1229	1223	1214	1224	1220	347
25°	1152	1148	1139	1150	1144	531
35°	1042	1037	1032	1035	1030	652
45°	896	893	890	888	882	690
55°	709	714	710	707	702	634
65°	494	496	495	488	482	489
75°	257	257	256	252	248	272
85°	51	52	50	48	44	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1262.9	1262.9	1262.9	1262.9	1262.9
2.5°	1270.4	1264.2	1252.6	1264.2	1258.4
5°	1266.3	1260.9	1249.7	1261.7	1255.0
7.5°	1260.4	1255.9	1244.7	1256.3	1249.7
10°	1252.1	1247.2	1236.4	1248.8	1242.2
12.5°	1240.9	1236.4	1226.0	1237.6	1231.8
15°	1228.9	1223.1	1213.5	1224.3	1220.2
17.5°	1212.3	1207.7	1198.2	1208.5	1204.0
20°	1194.8	1190.3	1180.7	1191.1	1186.1
22.5°	1174.9	1170.4	1160.4	1171.6	1166.6
25°	1152.1	1147.9	1138.8	1150.4	1144.2
27.5°	1128.0	1124.7	1114.7	1124.3	1120.5
30°	1100.6	1098.5	1087.7	1095.2	1091.9
32.5°	1072.8	1069.1	1061.6	1067.4	1064.1
35°	1041.7	1036.7	1031.7	1035.4	1029.6
37.5°	1008.4	1005.1	999.7	1003.0	996.4
40°	972.3	969.4	965.3	966.1	962.4
42.5°	935.0	931.6	928.3	926.7	922.5
45°	895.9	893.0	889.7	888.5	882.2
47.5°	853.6	851.5	849.4	846.5	842.0
50°	807.9	808.7	805.0	802.5	794.6
52.5°	758.9	763.9	758.5	754.8	750.2
55°	708.7	714.1	709.5	706.6	701.6
57.5°	658.9	661.4	658.5	656.4	649.7
60°	606.1	608.2	606.1	601.6	598.3
62.5°	551.8	554.2	550.1	546.8	542.2
65°	494.5	495.7	494.9	488.2	482.4
67.5°	436.8	438.8	436.3	431.8	426.0
70°	379.0	377.8	375.7	372.4	364.9
72.5°	318.0	318.0	317.6	311.4	307.6
75°	257.0	257.4	256.2	252.0	248.3
77.5°	196.0	200.5	197.2	193.1	188.9
80°	141.6	144.5	141.6	136.2	133.7
82.5°	90.5	94.7	92.2	86.8	85.9
85°	50.7	51.5	50.2	47.7	43.6
87.5°	19.1	19.9	20.3	16.6	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)