

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: P289685

Luminaire Tested: **8SSRK-40-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289685
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-L935-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3688.3 lumens
Efficiency: N/A
Efficacy: 136.5 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

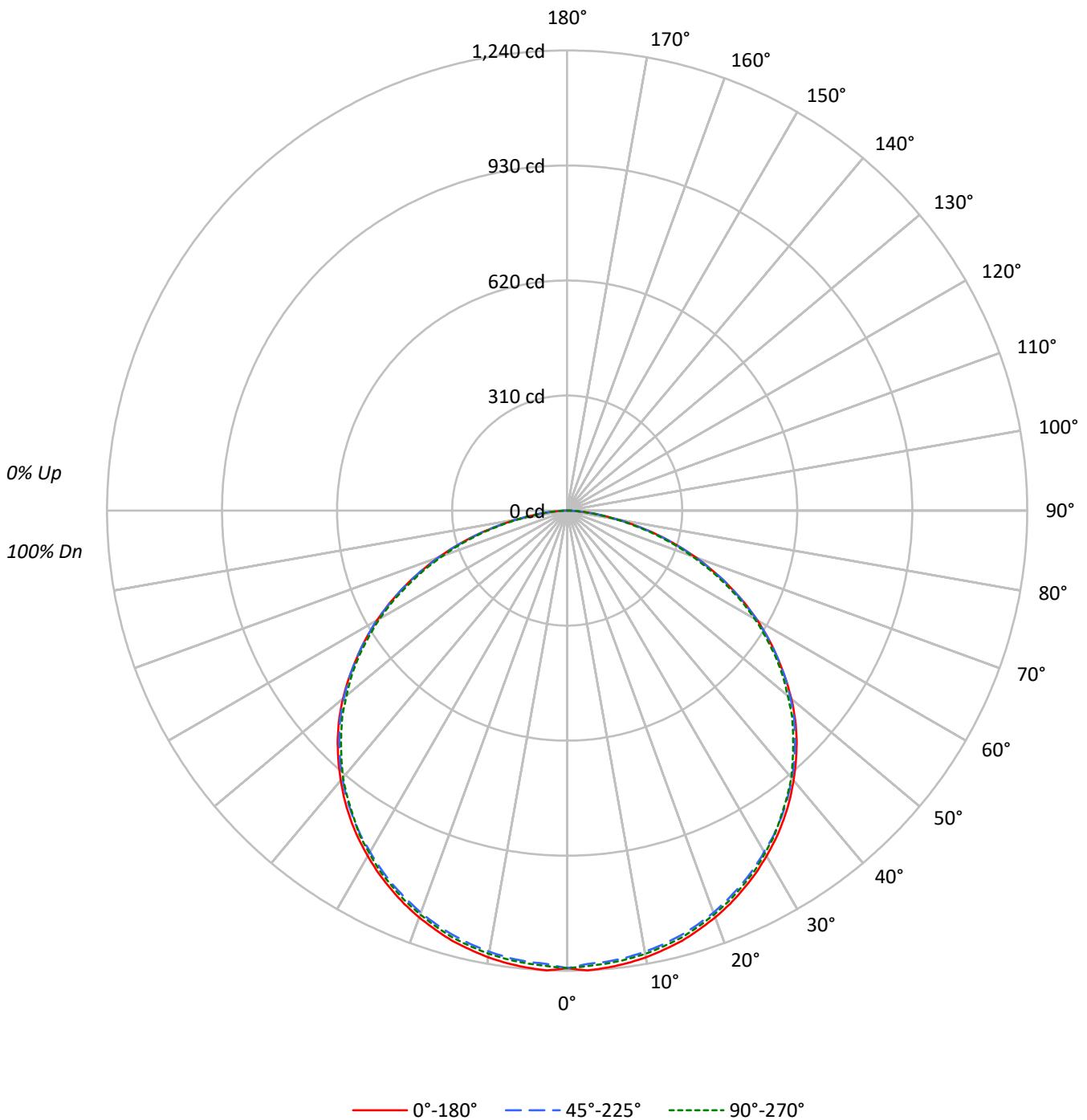
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	39819	39819	39819
5°	40002	31671	29424
10°	39939	26364	23320
15°	39887	22482	19223
20°	39787	19468	16205
25°	39691	17034	13891
30°	39592	14991	12012
35°	39514	13277	10427
40°	39329	11733	9092
45°	39130	10323	7868
50°	38667	8998	6758
55°	37827	7706	5745
60°	36889	6451	4758
65°	35312	5202	3757
70°	33051	3930	2806
75°	29045	2687	1899
80°	22984	1501	1025
85°	14813	542	338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	3.2
10°-20°	336.7	9.1
20°-30°	516.0	14.0
30°-40°	632.5	17.1
40°-50°	670.0	18.2
50°-60°	617.8	16.8
60°-70°	474.8	12.9
70°-80°	263.1	7.1
80°-90°	60.5	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°	969.5	26.3
0°-40°	1602.0	43.4
0°-60°	2889.8	78.4
0°-90°	3688.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3688.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1233	1233	1233	1233	1233	
5°	1236	1231	1220	1232	1225	118
15°	1200	1194	1185	1195	1191	339
25°	1125	1121	1112	1123	1117	519
35°	1017	1012	1007	1011	1005	636
45°	875	872	869	867	861	674
55°	692	697	693	690	685	619
65°	483	484	483	477	471	477
75°	251	251	250	246	242	265
85°	50	50	49	47	43	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.1	1233.1	1233.1	1233.1	1233.1
2.5°	1240.4	1234.3	1222.9	1234.3	1228.6
5°	1236.3	1231.0	1220.1	1231.9	1225.4
7.5°	1230.6	1226.2	1215.2	1226.6	1220.1
10°	1222.5	1217.7	1207.1	1219.3	1212.8
12.5°	1211.6	1207.1	1197.0	1208.3	1202.7
15°	1199.8	1194.2	1184.8	1195.4	1191.3
17.5°	1183.6	1179.2	1169.8	1180.0	1175.5
20°	1166.6	1162.1	1152.8	1162.9	1158.1
22.5°	1147.1	1142.7	1132.9	1143.9	1139.0
25°	1124.8	1120.8	1111.9	1123.2	1117.1
27.5°	1101.3	1098.1	1088.4	1097.7	1094.0
30°	1074.6	1072.6	1062.0	1069.3	1066.1
32.5°	1047.4	1043.8	1036.5	1042.2	1038.9
35°	1017.0	1012.2	1007.3	1010.9	1005.3
37.5°	984.6	981.3	976.1	979.3	972.8
40°	949.3	946.5	942.4	943.2	939.6
42.5°	912.8	909.6	906.4	904.7	900.7
45°	874.7	871.9	868.7	867.4	861.4
47.5°	833.4	831.4	829.3	826.5	822.0
50°	788.8	789.6	786.0	783.5	775.8
52.5°	741.0	745.8	740.6	736.9	732.5
55°	691.9	697.2	692.7	689.9	685.0
57.5°	643.3	645.7	642.9	640.9	634.4
60°	591.8	593.8	591.8	587.3	584.1
62.5°	538.7	541.1	537.1	533.8	529.4
65°	482.8	484.0	483.2	476.7	471.0
67.5°	426.4	428.5	426.0	421.6	415.9
70°	370.1	368.9	366.8	363.6	356.3
72.5°	310.5	310.5	310.1	304.0	300.4
75°	250.9	251.3	250.1	246.0	242.4
77.5°	191.3	195.8	192.5	188.5	184.4
80°	138.2	141.1	138.2	133.0	130.5
82.5°	88.4	92.4	90.0	84.7	83.9
85°	49.5	50.3	49.0	46.6	42.6
87.5°	18.6	19.5	19.9	16.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)