

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: P290501

Luminaire Tested: **8SSRK-SLW-80-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-80-L935-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6734.7 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

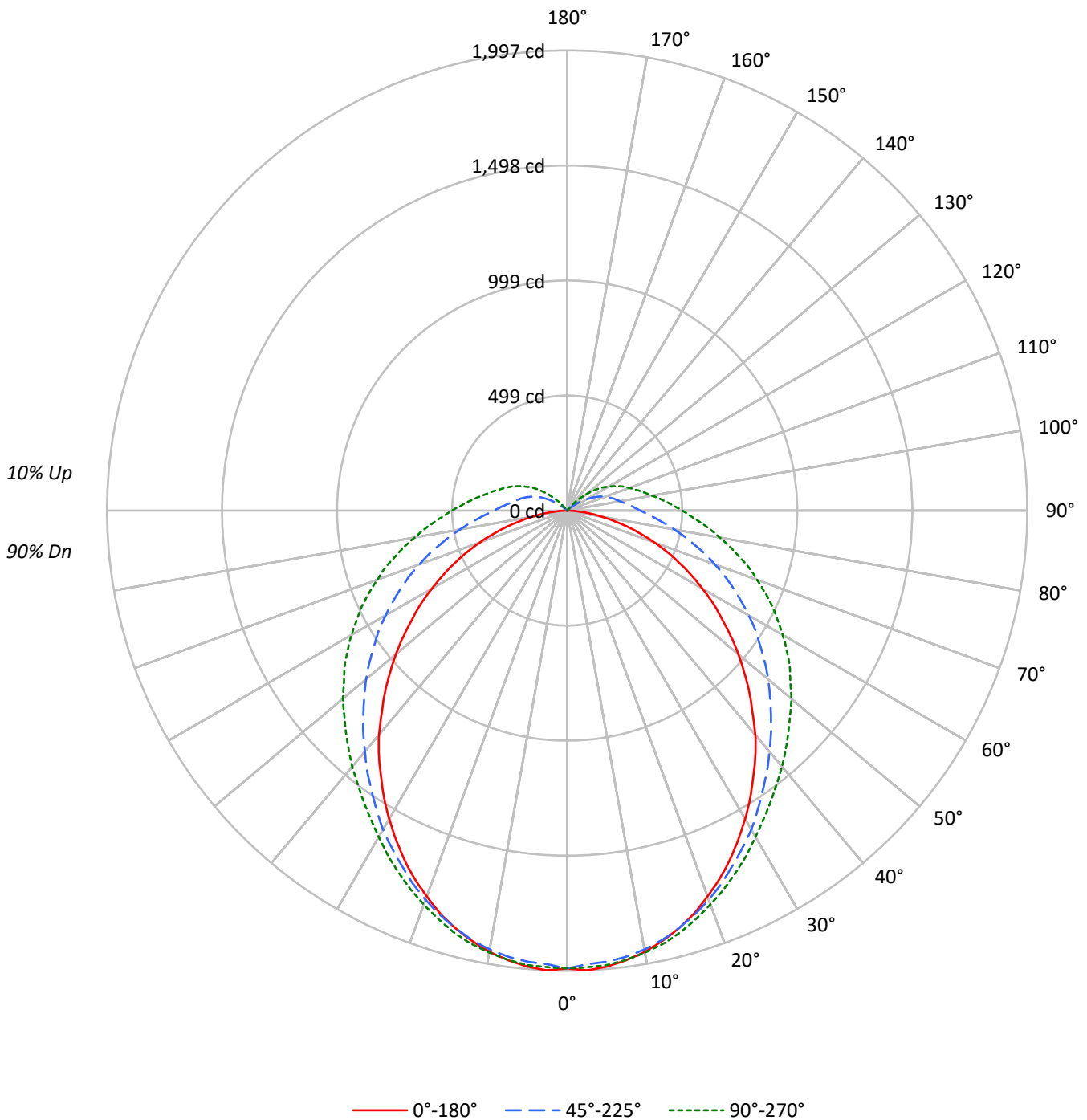
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90				
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71				
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58				
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48				
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41				
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35				
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31				
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27				
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22				
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64163	64163	64163
5°	64291	51010	47548
10°	63516	42242	37447
15°	62348	35586	30586
20°	60759	30354	25455
25°	58986	26032	21538
30°	56920	22566	18418
35°	54714	19513	15980
40°	52644	17001	14040
45°	50054	14859	12402
50°	47569	13039	11069
55°	44847	11374	9891
60°	42244	9920	8807
65°	39320	8570	7842
70°	35801	7306	6902
75°	31164	6146	6051
80°	25246	5119	5275
85°	17805	4267	4596



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	2.8
10°-20°	531.0	7.9
20°-30°	785.6	11.7
30°-40°	927.9	13.8
40°-50°	964.5	14.3
50°-60°	909.4	13.5
60°-70°	775.2	11.5
70°-80°	586.2	8.7
80°-90°	395.6	5.9
90°-100°	271.6	4.0
100°-110°	194.8	2.9
110°-120°	125.0	1.9
120°-130°	63.8	0.9
130°-140°	16.2	0.2
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1504.4	22.3
0°-40°	2432.3	36.1
0°-60°	4306.2	63.9
0°-90°	6063.2	90.0
90°-120°	591.3	8.8
90°-150°	671.5	10.0
90°-180°	671.0	10.0
0°-180°	6734.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1987	1982	1965	1984	1980	188
15°	1875	1881	1875	1894	1896	528
25°	1672	1691	1699	1729	1732	769
35°	1408	1442	1480	1525	1541	882
45°	1119	1174	1250	1328	1358	863
55°	820	905	1022	1132	1179	736
65°	538	647	796	928	983	533
75°	269	400	572	718	772	288
85°	60	200	386	528	580	68
90°	1	142	317	452	500	3
95°	1	112	270	389	433	1
105°	2	72	205	294	328	2
115°	2	9	142	222	250	2
125°	2	2	60	138	166	2
135°	2	1	1	44	65	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1997.0	1990.3	1971.0	1987.8	1983.6
5°	1987.0	1981.9	1965.1	1983.6	1980.2
7.5°	1967.7	1966.8	1953.4	1972.7	1966.8
10°	1944.2	1945.0	1934.1	1953.4	1947.5
12.5°	1912.3	1915.7	1908.1	1926.6	1925.7
15°	1875.4	1881.3	1875.4	1893.9	1895.5
17.5°	1833.5	1842.7	1838.5	1861.1	1858.6
20°	1781.5	1794.0	1797.4	1820.0	1819.2
22.5°	1729.5	1745.4	1751.3	1774.8	1778.1
25°	1671.6	1690.9	1699.3	1728.6	1732.0
27.5°	1608.7	1633.8	1648.9	1678.3	1685.9
30°	1544.9	1571.8	1598.6	1628.0	1634.7
32.5°	1478.7	1508.0	1539.1	1579.3	1586.9
35°	1408.2	1441.8	1480.4	1524.8	1540.7
37.5°	1342.0	1379.7	1425.0	1477.0	1493.8
40°	1270.7	1309.3	1365.5	1424.2	1451.0
42.5°	1191.0	1243.0	1310.1	1380.6	1404.0
45°	1118.9	1174.2	1250.5	1327.7	1357.9
47.5°	1043.4	1108.0	1194.4	1279.9	1312.6
50°	970.4	1040.9	1139.0	1231.3	1270.7
52.5°	894.9	974.6	1081.1	1183.4	1220.4
55°	820.3	905.0	1022.4	1132.3	1179.3
57.5°	753.2	839.6	969.6	1082.0	1129.8
60°	677.7	777.5	910.0	1030.8	1081.1
62.5°	608.1	709.6	851.3	979.6	1030.0
65°	537.6	646.7	796.0	927.6	983.0
67.5°	471.4	581.2	739.8	876.5	929.3
70°	400.9	520.0	681.9	822.8	876.5
72.5°	336.3	458.8	628.2	770.8	828.7
75°	269.2	400.1	572.0	718.0	772.5
77.5°	209.7	343.0	521.7	668.5	723.0
80°	151.8	291.0	471.4	619.0	671.8
82.5°	103.2	243.2	426.9	573.7	625.7
85°	59.5	200.5	385.8	528.4	579.6
87.5°	22.6	166.9	348.9	489.0	535.9
90°	0.8	141.7	317.0	452.1	499.9
92.5°	0.8	124.1	292.7	418.5	463.0
95°	0.8	112.4	270.1	389.2	432.8
97.5°	1.7	103.2	249.9	363.2	401.8
100°	1.7	93.9	233.2	338.0	374.9
102.5°	1.7	84.7	218.1	315.4	349.8
105°	1.7	72.1	204.7	294.4	327.9
107.5°	1.7	56.2	189.6	276.8	306.1
110°	1.7	41.1	173.6	259.2	287.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	25.2	159.4	241.6	269.2
115°	1.7	9.2	141.7	222.3	249.9
117.5°	1.7	3.4	120.8	203.8	228.1
120°	1.7	2.5	100.6	183.7	208.0
122.5°	1.7	2.5	79.7	161.9	187.9
125°	1.7	2.5	59.5	138.4	166.1
127.5°	1.7	1.7	38.6	114.1	139.2
130°	1.7	1.7	18.5	90.6	114.9
132.5°	1.7	1.7	0.8	66.3	89.7
135°	1.7	0.8	0.8	43.6	64.6
137.5°	1.7	0.8	0.0	21.0	41.9
140°	1.7	0.8	0.0	0.0	16.8
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)