

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: P290469

Luminaire Tested: **4SSRK-SLW-80-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290469
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: 4SSRK-SLW-80-L935-CD1-U
Description: 8000 LUMEN, 4 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: 6632.3 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

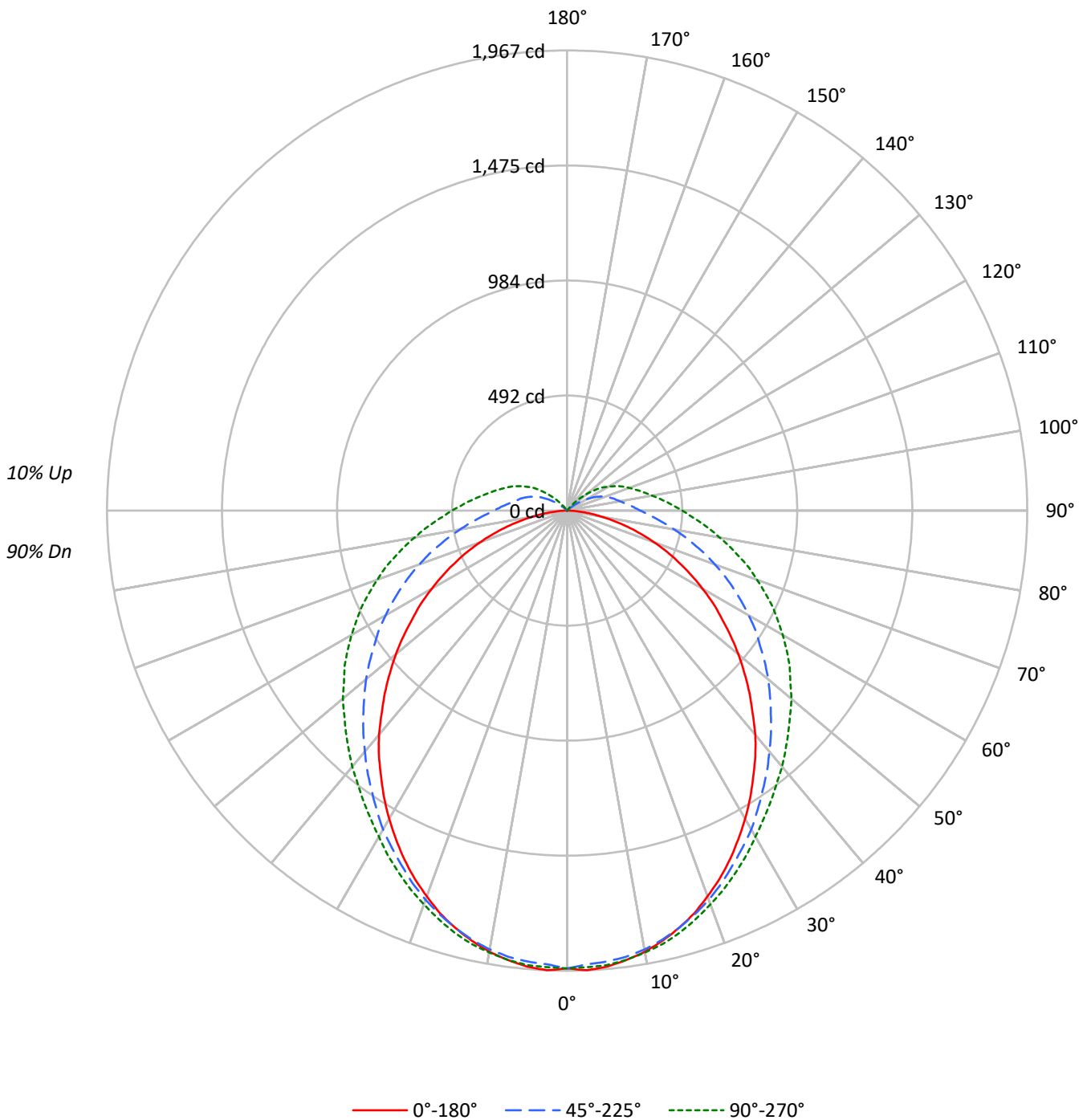
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	126376	126376	126376
5°	126398	100369	93656
10°	124642	83055	73755
15°	122123	69933	60242
20°	118775	59630	50138
25°	115071	51123	42422
30°	110799	44303	36278
35°	106238	38300	31474
40°	101938	33363	27655
45°	96615	29158	24428
50°	91480	25580	21802
55°	85847	22311	19480
60°	80403	19455	17346
65°	74279	16804	15446
70°	66892	14324	13595
75°	57248	12049	11917
80°	44974	10033	10389
85°	29414	8364	9053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	2.8
10°-20°	523.0	7.9
20°-30°	773.7	11.7
30°-40°	913.8	13.8
40°-50°	949.9	14.3
50°-60°	895.6	13.5
60°-70°	763.4	11.5
70°-80°	577.3	8.7
80°-90°	389.6	5.9
90°-100°	267.4	4.0
100°-110°	191.8	2.9
110°-120°	123.1	1.9
120°-130°	62.8	0.9
130°-140°	15.9	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°	1481.6	22.3
0°-40°	2395.4	36.1
0°-60°	4240.8	63.9
0°-90°	5971.1	90.0
90°-120°	582.3	8.8
90°-150°	661.3	10.0
90°-180°	661.0	10.0
0°-180°	6632.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1957	1952	1935	1954	1950	185
15°	1847	1853	1847	1865	1867	520
25°	1646	1665	1674	1702	1706	757
35°	1387	1420	1458	1502	1517	868
45°	1102	1156	1232	1308	1337	850
55°	808	891	1007	1115	1161	725
65°	530	637	784	914	968	525
75°	265	394	563	707	761	283
85°	59	197	380	520	571	67
90°	1	140	312	445	492	3
95°	1	111	266	383	426	1
105°	2	71	202	290	323	2
115°	2	9	140	219	246	2
125°	2	2	59	136	164	2
135°	2	1	1	43	64	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°	1956.8	1956.8	1956.8	1956.8	1956.8
2.5°	1966.7	1960.1	1941.1	1957.6	1953.5
5°	1956.8	1951.8	1935.3	1953.5	1950.2
7.5°	1937.8	1936.9	1923.7	1942.7	1936.9
10°	1914.6	1915.5	1904.7	1923.7	1917.9
12.5°	1883.3	1886.6	1879.1	1897.3	1896.5
15°	1846.9	1852.7	1846.9	1865.1	1866.7
17.5°	1805.6	1814.7	1810.6	1832.9	1830.4
20°	1754.4	1766.8	1770.1	1792.4	1791.6
22.5°	1703.2	1718.9	1724.7	1747.8	1751.1
25°	1646.2	1665.2	1673.5	1702.4	1705.7
27.5°	1584.2	1609.0	1623.9	1652.8	1660.2
30°	1521.5	1547.9	1574.3	1603.2	1609.9
32.5°	1456.2	1485.1	1515.7	1555.3	1562.8
35°	1386.8	1419.9	1457.9	1501.7	1517.3
37.5°	1321.6	1358.8	1403.4	1454.6	1471.1
40°	1251.4	1289.4	1344.7	1402.5	1429.0
42.5°	1172.9	1224.1	1290.2	1359.6	1382.7
45°	1101.9	1156.4	1231.6	1307.5	1337.3
47.5°	1027.5	1091.1	1176.2	1260.5	1292.7
50°	955.7	1025.1	1121.7	1212.6	1251.4
52.5°	881.3	959.8	1064.7	1165.5	1201.8
55°	807.8	891.2	1006.9	1115.1	1161.3
57.5°	741.7	826.8	954.8	1065.5	1112.6
60°	667.4	765.7	896.2	1015.1	1064.7
62.5°	598.8	698.8	838.4	964.8	1014.3
65°	529.5	636.8	783.9	913.5	968.1
67.5°	464.2	572.4	728.5	863.2	915.2
70°	394.8	512.1	671.5	810.3	863.2
72.5°	331.2	451.8	618.7	759.1	816.1
75°	265.1	394.0	563.3	707.0	760.7
77.5°	206.5	337.8	513.8	658.3	712.0
80°	149.5	286.6	464.2	609.6	661.6
82.5°	101.6	239.5	420.4	565.0	616.2
85°	58.6	197.4	380.0	520.4	570.8
87.5°	22.3	164.4	343.6	481.6	527.8
90°	0.8	139.6	312.2	445.2	492.3
92.5°	0.8	122.2	288.3	412.2	455.9
95°	0.8	110.7	266.0	383.3	426.2
97.5°	1.7	101.6	246.1	357.7	395.6
100°	1.7	92.5	229.6	332.9	369.2
102.5°	1.7	83.4	214.8	310.6	344.4
105°	1.7	71.0	201.5	289.9	323.0
107.5°	1.7	55.3	186.7	272.6	301.5
110°	1.7	40.5	171.0	255.2	283.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	24.8	156.9	237.9	265.1
115°	1.7	9.1	139.6	218.9	246.1
117.5°	1.7	3.3	118.9	200.7	224.7
120°	1.7	2.5	99.1	180.9	204.8
122.5°	1.7	2.5	78.5	159.4	185.0
125°	1.7	2.5	58.6	136.3	163.5
127.5°	1.7	1.7	38.0	112.3	137.1
130°	1.7	1.7	18.2	89.2	113.2
132.5°	1.7	1.7	0.8	65.3	88.4
135°	1.7	0.8	0.8	43.0	63.6
137.5°	1.7	0.8	0.0	20.6	41.3
140°	1.7	0.8	0.0	0.0	16.5
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)