

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: P289677

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289677
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-80-L935-CD1-U
Description: 8000 LUMEN, 4 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: 7515.8 lumens
Efficiency: N/A
Efficacy: 119.5 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

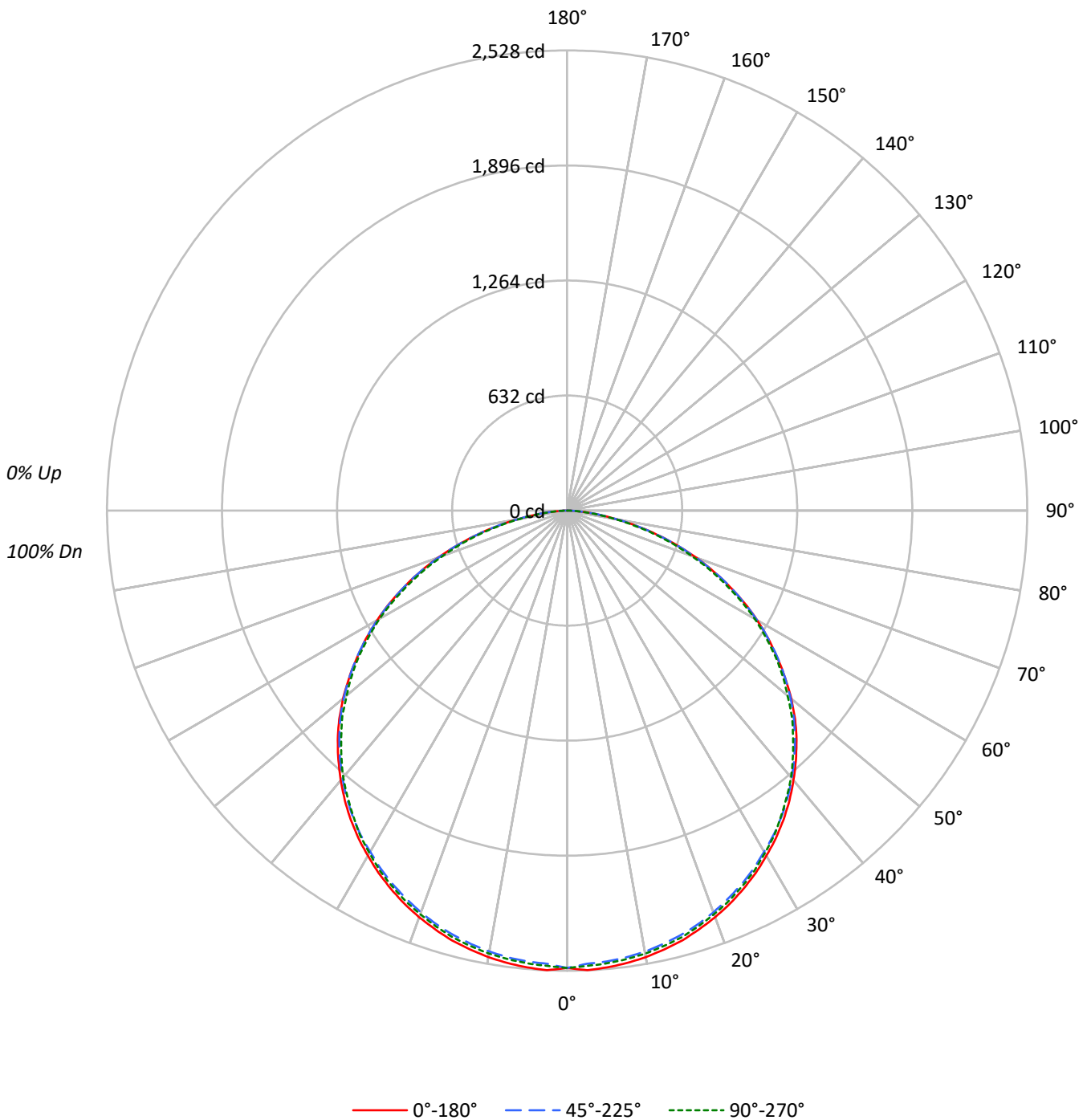
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	162278	162278	162278
5°	162732	128940	119915
10°	162180	107261	95040
15°	161664	91422	78344
20°	160939	79134	66042
25°	160221	69214	56615
30°	159459	60900	48953
35°	158759	53923	42493
40°	157583	47646	37052
45°	156291	41907	32062
50°	153861	36523	27543
55°	149845	31279	23415
60°	145277	26178	19392
65°	138009	21107	15314
70°	127768	15946	11434
75°	110415	10900	7737
80°	84744	6088	4177
85°	50597	2199	1375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	3.2
10°-20°	686.1	9.1
20°-30°	1051.4	14.0
30°-40°	1288.8	17.1
40°-50°	1365.4	18.2
50°-60°	1258.9	16.8
60°-70°	967.5	12.9
70°-80°	536.2	7.1
80°-90°	123.3	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°	1975.6	26.3
0°-40°	3264.5	43.4
0°-60°	5888.7	78.4
0°-90°	7515.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7515.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2513	2513	2513	2513	2513	
5°	2519	2508	2486	2510	2497	240
15°	2445	2433	2414	2436	2428	690
25°	2292	2284	2266	2289	2276	1057
35°	2072	2062	2053	2060	2048	1296
45°	1782	1777	1770	1768	1755	1373
55°	1410	1421	1412	1406	1396	1261
65°	984	986	985	971	960	972
75°	511	512	510	501	494	541
85°	101	102	100	95	87	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2512.7	2512.7	2512.7	2512.7	2512.7
2.5°	2527.5	2515.1	2492.0	2515.1	2503.6
5°	2519.3	2508.5	2486.2	2510.2	2497.0
7.5°	2507.7	2498.6	2476.3	2499.4	2486.2
10°	2491.2	2481.3	2459.8	2484.6	2471.4
12.5°	2468.9	2459.8	2439.1	2462.3	2450.7
15°	2444.9	2433.4	2414.4	2435.8	2427.6
17.5°	2411.9	2402.8	2383.8	2404.5	2395.4
20°	2377.2	2368.1	2349.1	2369.8	2359.9
22.5°	2337.6	2328.5	2308.6	2330.9	2321.0
25°	2292.1	2283.9	2265.7	2288.8	2276.4
27.5°	2244.2	2237.6	2217.8	2236.8	2229.3
30°	2189.7	2185.6	2164.1	2179.0	2172.4
32.5°	2134.4	2126.9	2112.1	2123.6	2117.0
35°	2072.4	2062.5	2052.6	2060.0	2048.5
37.5°	2006.3	1999.7	1989.0	1995.6	1982.4
40°	1934.5	1928.7	1920.4	1922.1	1914.6
42.5°	1860.1	1853.5	1846.9	1843.6	1835.4
45°	1782.5	1776.7	1770.1	1767.6	1755.2
47.5°	1698.2	1694.1	1690.0	1684.2	1675.1
50°	1607.4	1609.0	1601.6	1596.6	1580.9
52.5°	1509.9	1519.8	1509.1	1501.7	1492.6
55°	1410.0	1420.7	1411.6	1405.8	1395.9
57.5°	1310.8	1315.8	1310.0	1305.9	1292.7
60°	1205.9	1210.1	1205.9	1196.9	1190.3
62.5°	1097.7	1102.7	1094.4	1087.8	1078.7
65°	983.8	986.2	984.6	971.4	959.8
67.5°	868.9	873.1	868.1	859.0	847.5
70°	754.1	751.7	747.5	740.9	726.0
72.5°	632.7	632.7	631.9	619.5	612.1
75°	511.3	512.1	509.6	501.4	493.9
77.5°	389.9	399.0	392.3	384.1	375.8
80°	281.7	287.4	281.7	270.9	266.0
82.5°	180.1	188.3	183.4	172.6	171.0
85°	100.8	102.4	99.9	95.0	86.7
87.5°	38.0	39.6	40.5	33.0	28.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)