

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: P289672

Luminaire Tested: **4SSRK-60-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289672
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-60-L830-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6587.7 lumens
Efficiency: N/A
Efficacy: 147.0 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

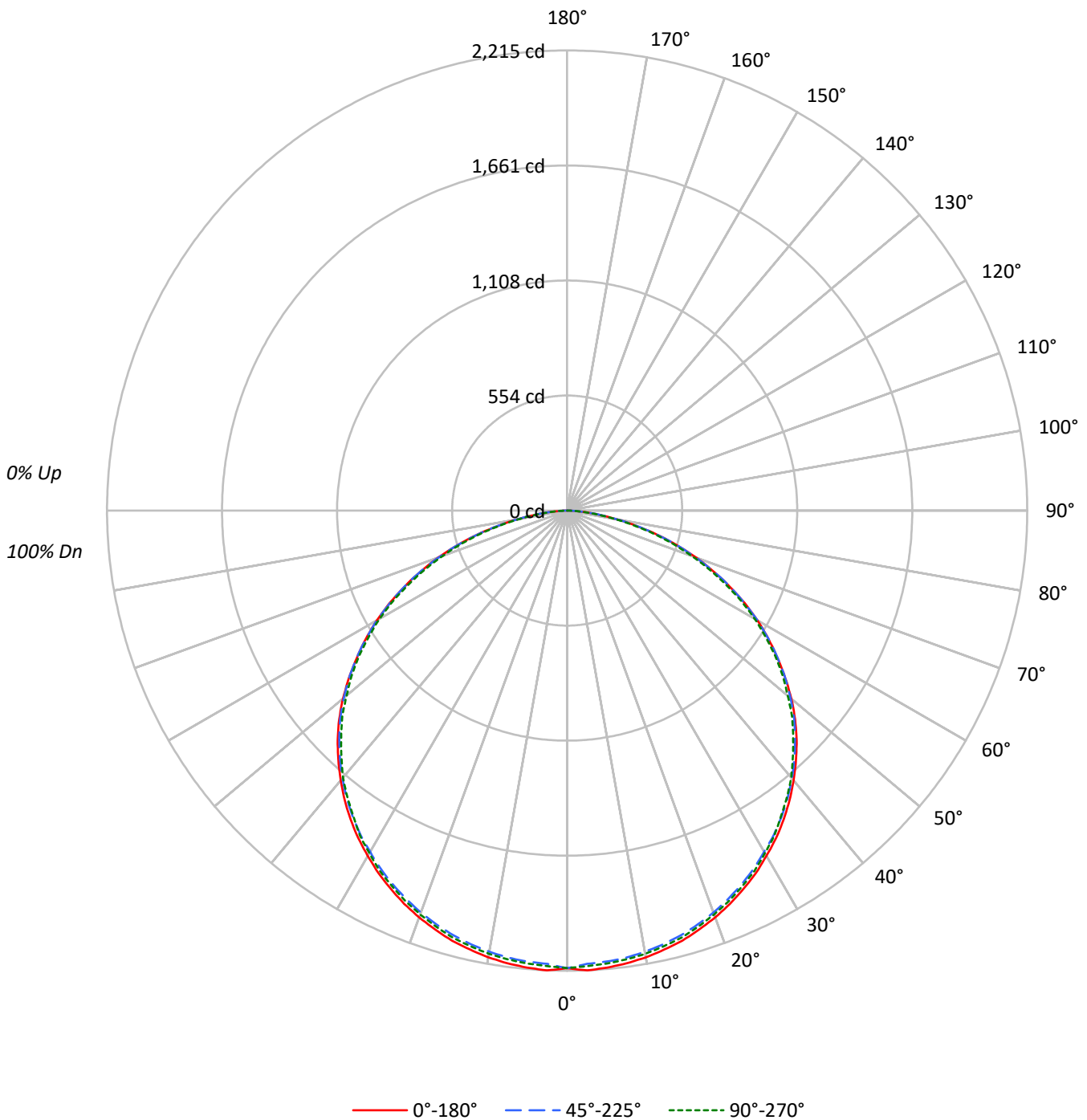
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289672

CATALOG NUMBER: 4SSRK-60-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289672

CATALOG NUMBER: 4SSRK-60-L830-CD1-U

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°	142238	142238	142238
5°	142637	113019	105105
10°	142154	94018	83304
15°	141702	80131	68669
20°	141069	69362	57887
25°	140439	60667	49624
30°	139768	53381	42907
35°	139155	47264	37245
40°	138122	41764	32477
45°	136992	36731	28104
50°	134860	32013	24142
55°	131343	27417	20523
60°	127339	22946	16997
65°	120965	18500	13423
70°	111994	13977	10023
75°	96788	9555	6782
80°	74275	5336	3660
85°	44322	1928	1205



TEST NUMBER: P289672

CATALOG NUMBER: 4SSRK-60-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	3.2
10°-20°	601.4	9.1
20°-30°	921.6	14.0
30°-40°	1129.7	17.1
40°-50°	1196.8	18.2
50°-60°	1103.5	16.8
60°-70°	848.0	12.9
70°-80°	470.0	7.1
80°-90°	108.1	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°	1731.7	26.3
0°-40°	2861.3	43.4
0°-60°	5161.6	78.4
0°-90°	6587.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6587.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2202	2202	2202	2202	2202	
5°	2208	2199	2179	2200	2189	210
15°	2143	2133	2116	2135	2128	605
25°	2009	2002	1986	2006	1995	927
35°	1816	1808	1799	1806	1796	1136
45°	1562	1557	1552	1549	1538	1204
55°	1236	1245	1237	1232	1224	1105
65°	862	864	863	851	841	852
75°	448	449	447	440	433	474
85°	88	90	88	83	76	110
90°	0	0	0	0	0	



TEST NUMBER: P289672

CATALOG NUMBER: 4SSRK-60-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2202.4	2202.4	2202.4	2202.4	2202.4
2.5°	2215.4	2204.6	2184.3	2204.6	2194.4
5°	2208.2	2198.8	2179.2	2200.2	2188.6
7.5°	2198.0	2190.1	2170.5	2190.8	2179.2
10°	2183.6	2174.9	2156.1	2177.8	2166.2
12.5°	2164.0	2156.1	2138.0	2158.2	2148.1
15°	2143.0	2132.9	2116.2	2135.1	2127.8
17.5°	2114.1	2106.1	2089.4	2107.5	2099.6
20°	2083.7	2075.7	2059.0	2077.1	2068.5
22.5°	2048.9	2040.9	2023.6	2043.1	2034.4
25°	2009.1	2001.8	1985.9	2006.2	1995.3
27.5°	1967.1	1961.3	1943.9	1960.6	1954.1
30°	1919.3	1915.7	1896.9	1909.9	1904.1
32.5°	1870.8	1864.3	1851.3	1861.4	1855.6
35°	1816.5	1807.8	1799.1	1805.6	1795.5
37.5°	1758.6	1752.8	1743.4	1749.2	1737.6
40°	1695.6	1690.5	1683.3	1684.7	1678.2
42.5°	1630.4	1624.6	1618.9	1616.0	1608.7
45°	1562.4	1557.3	1551.5	1549.3	1538.5
47.5°	1488.5	1484.9	1481.3	1476.2	1468.3
50°	1408.9	1410.3	1403.8	1399.5	1385.7
52.5°	1323.5	1332.1	1322.7	1316.2	1308.3
55°	1235.9	1245.3	1237.3	1232.2	1223.5
57.5°	1149.0	1153.3	1148.3	1144.6	1133.1
60°	1057.0	1060.7	1057.0	1049.1	1043.3
62.5°	962.2	966.5	959.3	953.5	945.5
65°	862.3	864.4	863.0	851.4	841.3
67.5°	761.6	765.3	760.9	753.0	742.8
70°	661.0	658.8	655.2	649.4	636.4
72.5°	554.6	554.6	553.9	543.0	536.5
75°	448.2	448.9	446.7	439.5	432.9
77.5°	341.7	349.7	343.9	336.7	329.4
80°	246.9	251.9	246.9	237.5	233.1
82.5°	157.8	165.1	160.7	151.3	149.9
85°	88.3	89.8	87.6	83.3	76.0
87.5°	33.3	34.8	35.5	29.0	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)