

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: P#

Luminaire Tested: **4RSRK-50-HE-L830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-50-HE-L830
Description: 4ft RSRK, 500 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

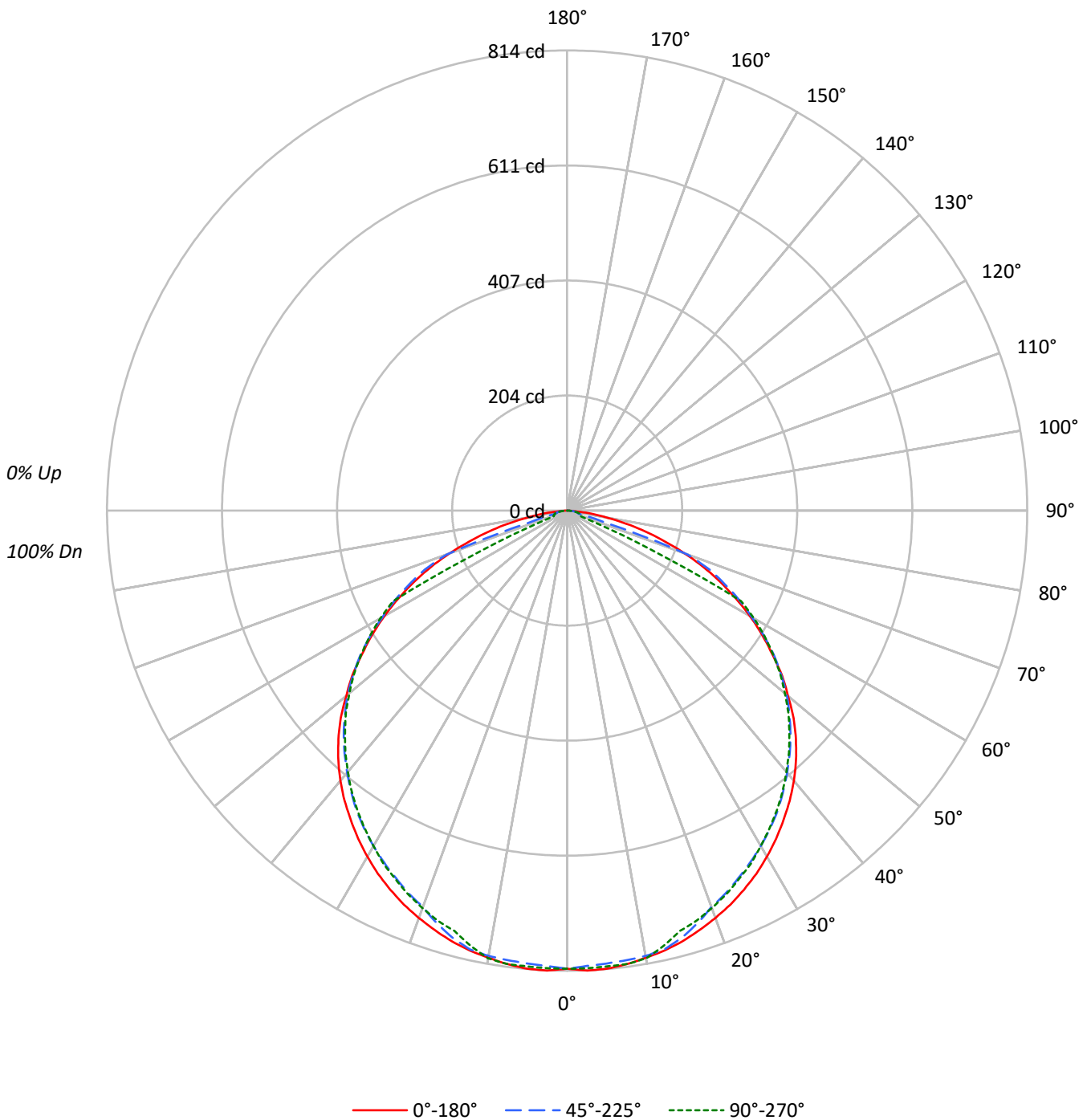
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2230.9 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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: P#
CATALOG NUMBER: 4RSRK-50-HE-L830

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2181	2181	2181
5°	2197	2172	2186
10°	2194	2186	2197
15°	2197	2180	2145
20°	2196	2137	2143
25°	2197	2129	2136
30°	2197	2129	2129
35°	2193	2132	2125
40°	2192	2127	2120
45°	2178	2127	2115
50°	2136	2123	2106
55°	2078	2098	2088
60°	2011	2033	2055
65°	1904	1957	1035
70°	1743	1784	195
75°	1496	215	237
80°	1122	273	273
85°	574	287	256



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	3.5
10°-20°	220.6	9.9
20°-30°	335.3	15.0
30°-40°	408.4	18.3
40°-50°	432.2	19.4
50°-60°	396.4	17.8
60°-70°	267.4	12.0
70°-80°	80.8	3.6
80°-90°	12.9	0.6
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°	632.8	28.4
0°-40°	1041.2	46.7
0°-60°	1869.8	83.8
0°-90°	2230.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2230.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	814	807	804	811	809	77
15°	789	784	782	776	770	223
25°	740	739	717	724	719	341
35°	668	653	649	651	647	418
45°	572	559	559	560	556	441
55°	443	437	447	447	445	396
65°	299	295	307	312	162	295
75°	144	145	21	23	23	152
85°	19	9	9	8	8	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	810.4	810.4	810.4	810.4	810.4
2.5°	814.5	808.3	806.3	811.4	810.4
5°	813.5	807.3	804.2	811.4	809.3
7.5°	809.3	803.1	802.1	810.4	809.3
10°	803.1	799.0	800.0	807.3	804.2
12.5°	796.9	792.8	794.9	792.8	788.7
15°	788.7	784.5	782.4	776.2	770.0
17.5°	778.3	776.2	765.9	763.8	760.7
20°	766.9	766.9	746.2	752.4	748.3
22.5°	754.5	754.5	732.8	739.0	734.8
25°	740.0	739.0	717.2	724.5	719.3
27.5°	724.5	719.3	701.7	707.9	703.8
30°	706.9	697.6	685.2	689.3	685.2
32.5°	688.2	674.8	667.5	670.7	666.5
35°	667.5	653.1	648.9	651.0	646.8
37.5°	646.8	631.3	627.2	630.3	626.1
40°	624.1	609.6	605.4	607.5	603.4
42.5°	599.3	586.8	582.7	583.7	580.6
45°	572.3	558.9	558.9	559.9	555.8
47.5°	543.3	532.0	533.0	534.0	530.9
50°	510.2	502.0	507.1	508.2	503.0
52.5°	479.2	470.9	477.1	479.2	475.1
55°	443.0	436.8	447.1	447.1	445.0
57.5°	408.8	402.6	413.0	417.1	414.0
60°	373.6	367.4	377.8	385.0	381.9
62.5°	336.4	331.2	343.6	352.9	346.7
65°	299.1	295.0	307.4	311.5	162.5
67.5°	260.8	257.7	272.2	98.3	25.9
70°	221.5	218.4	226.7	24.8	24.8
72.5°	181.1	182.2	72.4	23.8	23.8
75°	143.9	144.9	20.7	22.8	22.8
77.5°	106.6	108.7	19.7	20.7	20.7
80°	72.4	52.8	17.6	17.6	17.6
82.5°	43.5	12.4	13.4	13.4	12.4
85°	18.6	9.3	9.3	8.3	8.3
87.5°	6.2	4.1	4.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)