

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: **6RSRK-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: 6RSRK-50-HE-L830
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

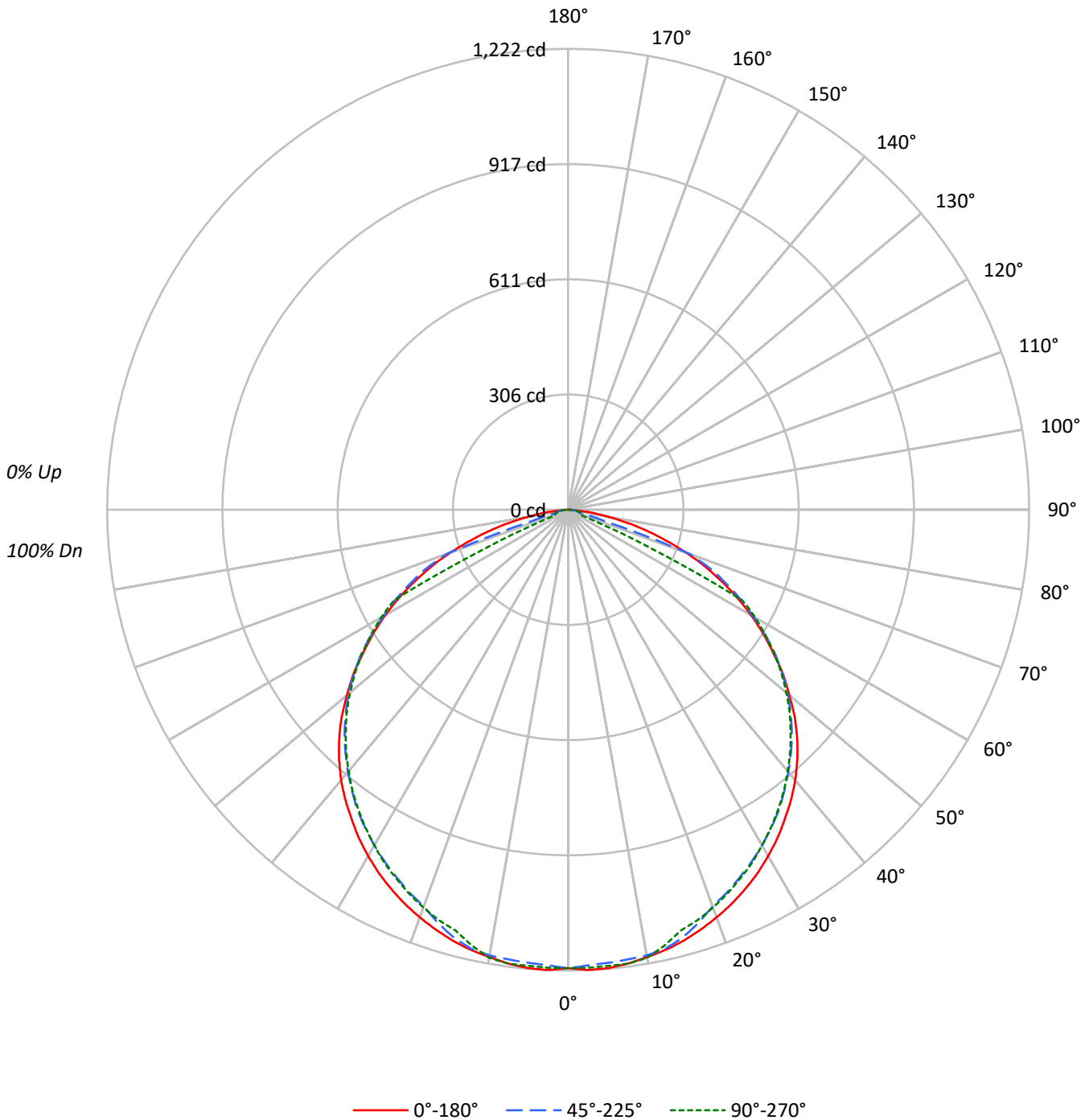
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3346.4 lumens
Efficiency: N/A
Efficacy: 234.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 6' 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

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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	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°	2195	2186	2197
15°	2197	2180	2145
20°	2196	2137	2143
25°	2197	2129	2136
30°	2196	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	1034
70°	1742	1783	196
75°	1496	215	237
80°	1123	273	273
85°	574	288	255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	3.5
10°-20°	330.8	9.9
20°-30°	502.9	15.0
30°-40°	612.6	18.3
40°-50°	648.3	19.4
50°-60°	594.6	17.8
60°-70°	401.1	12.0
70°-80°	121.2	3.6
80°-90°	19.4	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°	949.3	28.4
0°-40°	1561.9	46.7
0°-60°	2804.8	83.8
0°-90°	3346.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3346.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1220	1211	1206	1217	1214	116
15°	1183	1177	1174	1164	1155	334
25°	1110	1108	1076	1087	1079	512
35°	1001	980	973	976	970	627
45°	858	838	838	840	834	661
55°	664	655	671	671	668	595
65°	449	442	461	467	244	443
75°	216	217	31	34	34	229
85°	28	14	14	12	12	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.6	1215.6	1215.6	1215.6	1215.6
2.5°	1221.8	1212.5	1209.4	1217.1	1215.6
5°	1220.2	1210.9	1206.2	1217.1	1214.0
7.5°	1214.0	1204.7	1203.2	1215.6	1214.0
10°	1204.7	1198.5	1200.0	1210.9	1206.2
12.5°	1195.4	1189.2	1192.3	1189.2	1183.0
15°	1183.0	1176.8	1173.7	1164.3	1155.0
17.5°	1167.5	1164.3	1148.8	1145.7	1141.1
20°	1150.4	1150.4	1119.3	1128.7	1122.4
22.5°	1131.7	1131.7	1099.1	1108.5	1102.2
25°	1110.0	1108.5	1075.8	1086.7	1079.0
27.5°	1086.7	1079.0	1052.6	1061.9	1055.7
30°	1060.3	1046.4	1027.7	1033.9	1027.7
32.5°	1032.4	1012.2	1001.3	1006.0	999.8
35°	1001.3	979.6	973.4	976.5	970.3
37.5°	970.3	947.0	940.8	945.4	939.2
40°	936.2	914.4	908.2	911.3	905.1
42.5°	898.9	880.3	874.1	875.6	870.9
45°	858.5	838.3	838.3	839.9	833.7
47.5°	815.0	798.0	799.5	801.1	796.4
50°	765.3	752.9	760.7	762.3	754.5
52.5°	718.8	706.4	715.7	718.8	712.6
55°	664.5	655.1	670.7	670.7	667.6
57.5°	613.2	603.9	619.5	625.7	621.0
60°	560.4	551.1	566.6	577.5	572.8
62.5°	504.5	496.8	515.4	529.4	520.1
65°	448.6	442.4	461.1	467.3	243.7
67.5°	391.2	386.5	408.3	147.5	38.8
70°	332.2	327.6	340.0	37.3	37.3
72.5°	271.7	273.2	108.7	35.7	35.7
75°	215.8	217.3	31.0	34.2	34.2
77.5°	159.9	163.0	29.5	31.0	31.0
80°	108.7	79.2	26.4	26.4	26.4
82.5°	65.2	18.6	20.2	20.2	18.6
85°	27.9	14.0	14.0	12.4	12.4
87.5°	9.3	6.2	6.2	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)