

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-L835**

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-L835  
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

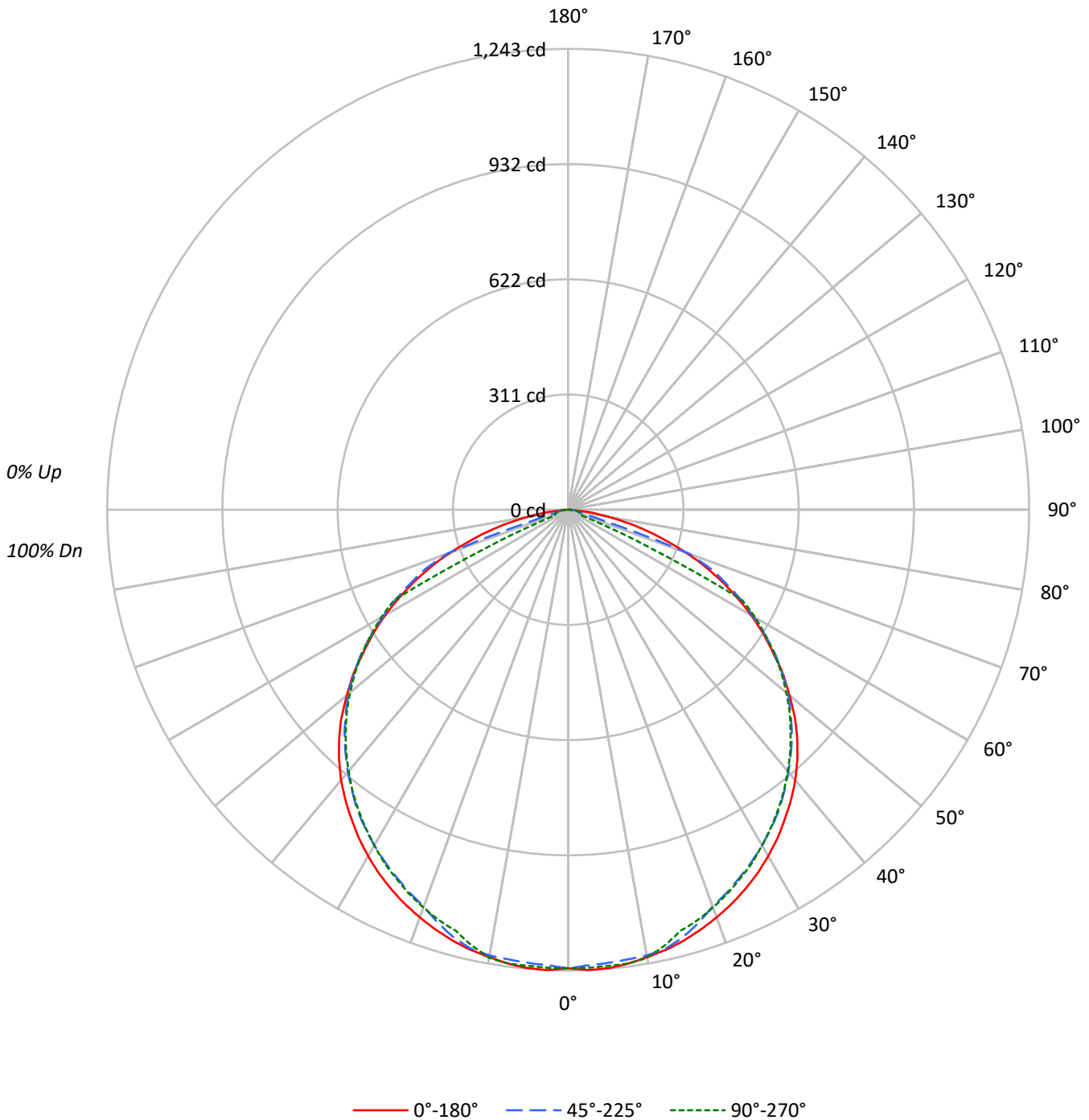
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3404.1 lumens  
Efficiency: N/A  
Efficacy: 238.1 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

TEST NUMBER: P#  
CATALOG NUMBER: 6RSRK-50-HE-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-50-HE-L835

**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°	2218	2218	2218
5°	2235	2210	2224
10°	2232	2224	2235
15°	2235	2217	2182
20°	2234	2174	2180
25°	2235	2166	2173
30°	2234	2166	2166
35°	2231	2169	2162
40°	2230	2163	2156
45°	2216	2164	2151
50°	2173	2160	2142
55°	2114	2134	2124
60°	2046	2068	2091
65°	1937	1991	1052
70°	1773	1814	199
75°	1521	219	241
80°	1142	277	277
85°	585	292	259



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-50-HE-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.5	3.5
10°-20°	336.5	9.9
20°-30°	511.6	15.0
30°-40°	623.2	18.3
40°-50°	659.4	19.4
50°-60°	604.9	17.8
60°-70°	408.0	12.0
70°-80°	123.3	3.6
80°-90°	19.7	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°	965.6	28.4
0°-40°	1588.8	46.7
0°-60°	2853.1	83.8
0°-90°	3404.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3404.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1241	1232	1227	1238	1235	118
15°	1203	1197	1194	1184	1175	340
25°	1129	1128	1094	1106	1098	521
35°	1019	996	990	993	987	638
45°	873	853	853	854	848	672
55°	676	666	682	682	679	605
65°	456	450	469	475	248	451
75°	220	221	32	35	35	233
85°	28	14	14	13	13	43
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-50-HE-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1236.6	1236.6	1236.6	1236.6	1236.6
2.5°	1242.9	1233.4	1230.2	1238.1	1236.6
5°	1241.3	1231.8	1227.1	1238.1	1235.0
7.5°	1235.0	1225.5	1223.9	1236.6	1235.0
10°	1225.5	1219.2	1220.7	1231.8	1227.1
12.5°	1216.0	1209.7	1212.9	1209.7	1203.4
15°	1203.4	1197.1	1193.9	1184.4	1175.0
17.5°	1187.6	1184.4	1168.6	1165.5	1160.8
20°	1170.2	1170.2	1138.6	1148.1	1141.8
22.5°	1151.2	1151.2	1118.1	1127.6	1121.3
25°	1129.2	1127.6	1094.4	1105.5	1097.6
27.5°	1105.5	1097.6	1070.7	1080.2	1073.9
30°	1078.6	1064.4	1045.5	1051.8	1045.5
32.5°	1050.2	1029.7	1018.6	1023.3	1017.0
35°	1018.6	996.5	990.2	993.3	987.0
37.5°	987.0	963.3	957.0	961.7	955.4
40°	952.3	930.2	923.8	927.0	920.7
42.5°	914.4	895.4	889.1	890.7	885.9
45°	873.3	852.8	852.8	854.4	848.0
47.5°	829.1	811.7	813.3	814.9	810.1
50°	778.5	765.9	773.8	775.4	767.5
52.5°	731.2	718.6	728.0	731.2	724.9
55°	675.9	666.4	682.2	682.2	679.1
57.5°	623.8	614.3	630.1	636.5	631.7
60°	570.1	560.6	576.4	587.5	582.7
62.5°	513.2	505.4	524.3	538.5	529.1
65°	456.4	450.1	469.0	475.3	247.9
67.5°	398.0	393.2	415.4	150.0	39.5
70°	338.0	333.2	345.9	37.9	37.9
72.5°	276.4	277.9	110.5	36.3	36.3
75°	219.5	221.1	31.6	34.7	34.7
77.5°	162.7	165.8	30.0	31.6	31.6
80°	110.5	80.6	26.8	26.8	26.8
82.5°	66.3	19.0	20.5	20.5	19.0
85°	28.4	14.2	14.2	12.6	12.6
87.5°	9.5	6.3	6.3	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)