

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-TS-65-HE-L850**

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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-65-HE-L850
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

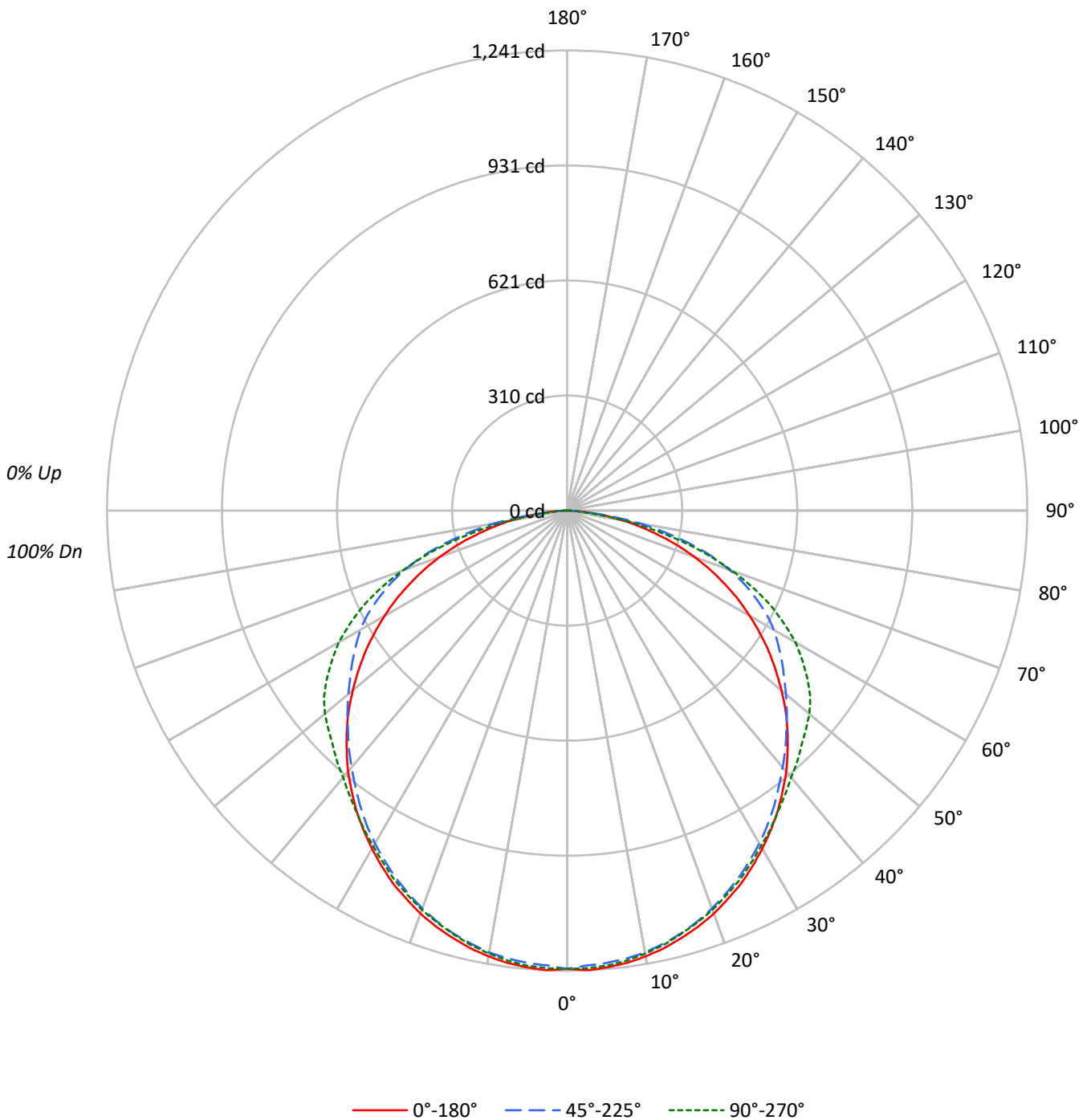
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3805.0 lumens
Efficiency: N/A
Efficacy: 201.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-TS-65-HE-L850

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L850

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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2217	2217	2217
5°	2227	2205	2218
10°	2224	2204	2210
15°	2216	2194	2198
20°	2208	2180	2188
25°	2197	2164	2177
30°	2180	2147	2165
35°	2168	2130	2171
40°	2153	2117	2201
45°	2133	2121	2268
50°	2106	2149	2380
55°	2079	2210	2475
60°	2043	2311	2552
65°	1992	2388	2572
70°	1916	2441	2472
75°	1765	2361	2208
80°	1563	2032	1694
85°	1126	1029	673



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	3.1
10°-20°	334.9	8.8
20°-30°	507.2	13.3
30°-40°	615.1	16.2
40°-50°	658.0	17.3
50°-60°	637.8	16.8
60°-70°	534.2	14.0
70°-80°	328.2	8.6
80°-90°	72.5	1.9
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°	959.1	25.2
0°-40°	1574.3	41.4
0°-60°	2870.1	75.4
0°-90°	3805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1237	1234	1225	1233	1232	118
15°	1193	1191	1181	1187	1183	337
25°	1110	1103	1093	1101	1100	511
35°	990	977	973	989	991	619
45°	841	823	836	879	894	648
55°	665	647	707	777	791	593
65°	469	467	563	601	606	464
75°	255	297	341	326	319	271
85°	55	73	50	35	33	69
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.9	1235.9	1235.9	1235.9	1235.9
2.5°	1240.6	1237.2	1227.9	1235.9	1235.2
5°	1236.6	1233.9	1224.6	1232.6	1231.9
7.5°	1230.6	1227.9	1218.6	1226.6	1224.6
10°	1220.6	1218.6	1209.9	1215.9	1213.2
12.5°	1208.6	1206.6	1196.6	1203.2	1199.9
15°	1193.2	1190.6	1181.2	1186.6	1183.2
17.5°	1175.9	1172.6	1163.2	1168.6	1165.2
20°	1156.6	1151.9	1141.9	1149.2	1145.9
22.5°	1133.2	1129.9	1117.9	1125.9	1122.6
25°	1109.9	1103.2	1093.2	1100.6	1099.9
27.5°	1081.9	1075.3	1065.3	1073.9	1072.6
30°	1052.6	1045.3	1036.6	1045.3	1045.3
32.5°	1021.9	1012.6	1005.9	1015.9	1019.3
35°	989.9	977.3	972.6	989.3	991.3
37.5°	954.6	941.9	937.9	959.9	965.3
40°	919.3	903.3	903.9	931.9	939.9
42.5°	879.9	863.9	871.3	903.9	918.6
45°	840.6	822.6	835.9	878.6	893.9
47.5°	799.3	781.9	803.9	853.9	873.3
50°	754.6	737.3	769.9	830.6	852.6
52.5°	709.3	691.3	737.3	806.6	826.6
55°	664.6	646.6	706.6	776.6	791.3
57.5°	616.6	601.3	674.6	737.3	751.9
60°	569.3	556.0	644.0	697.3	711.3
62.5°	520.6	510.6	606.6	651.3	659.3
65°	469.3	466.6	562.6	600.6	606.0
67.5°	418.0	424.6	517.3	542.0	542.6
70°	365.3	383.3	465.3	476.0	471.3
72.5°	312.0	343.3	408.0	402.6	398.6
75°	254.6	297.3	340.6	326.0	318.6
77.5°	202.7	250.6	268.6	248.0	236.6
80°	151.3	198.0	196.7	170.0	164.0
82.5°	102.0	138.0	118.0	96.0	84.0
85°	54.7	73.3	50.0	34.7	32.7
87.5°	20.7	17.3	13.3	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)