

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-L940**

Issue Date: 3/3/2020



**Test Information**

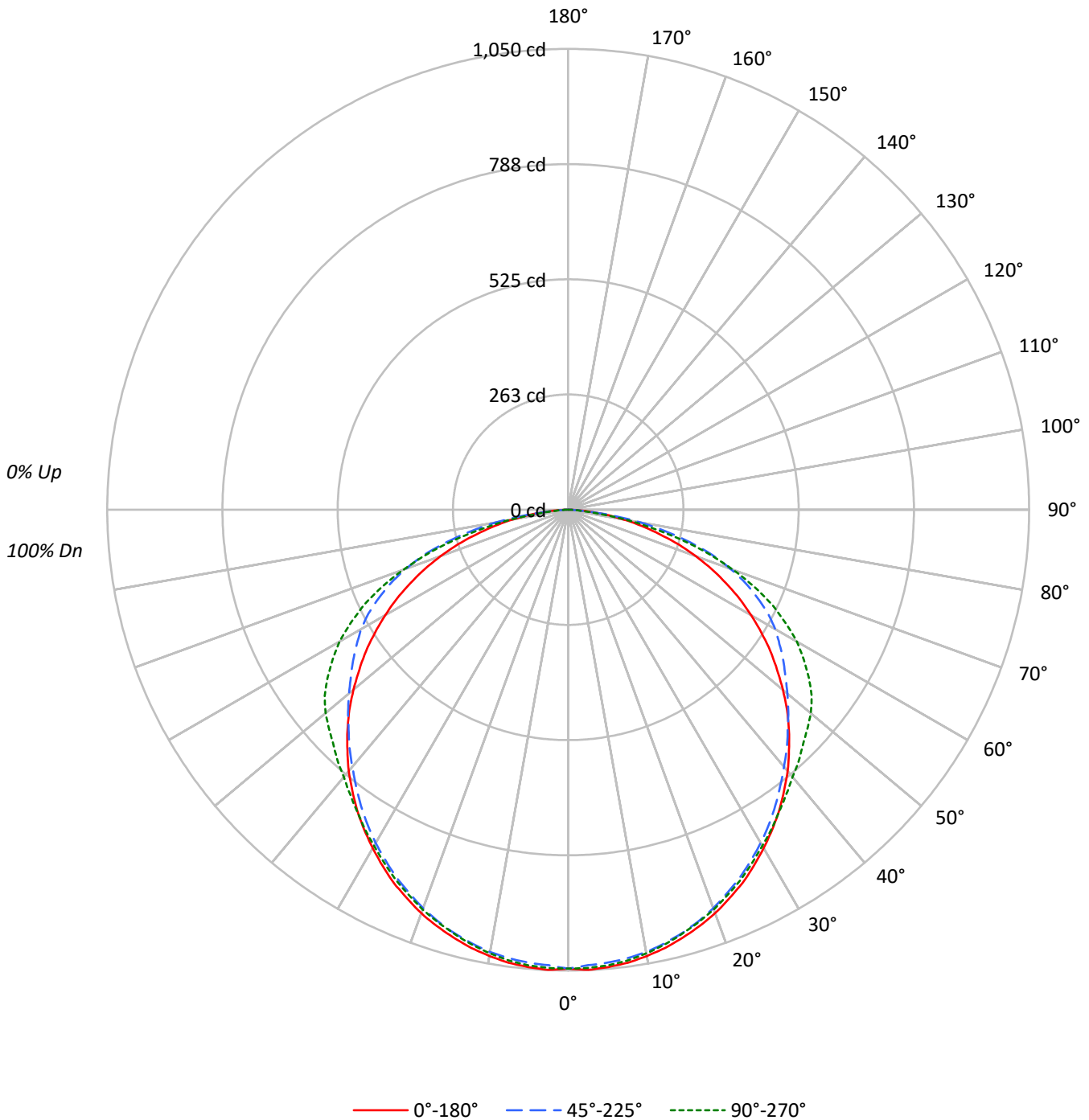
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-65-HE-L940  
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3219.0 lumens  
Efficiency: N/A  
Efficacy: 170.3 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-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L940

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1876	1876	1876
5°	1884	1866	1877
10°	1881	1865	1870
15°	1875	1856	1859
20°	1868	1844	1851
25°	1859	1831	1842
30°	1845	1817	1832
35°	1834	1802	1837
40°	1821	1791	1862
45°	1804	1794	1919
50°	1782	1818	2013
55°	1759	1870	2094
60°	1728	1955	2159
65°	1685	2021	2176
70°	1621	2065	2091
75°	1493	1998	1869
80°	1322	1719	1433
85°	951	871	568



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	3.1
10°-20°	283.4	8.8
20°-30°	429.1	13.3
30°-40°	520.4	16.2
40°-50°	556.7	17.3
50°-60°	539.6	16.8
60°-70°	451.9	14.0
70°-80°	277.7	8.6
80°-90°	61.3	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°	811.4	25.2
0°-40°	1331.8	41.4
0°-60°	2428.1	75.4
0°-90°	3219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3219.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1046	1044	1036	1043	1042	99
15°	1010	1007	999	1004	1001	285
25°	939	933	925	931	930	432
35°	838	827	823	837	839	524
45°	711	696	707	743	756	548
55°	562	547	598	657	669	502
65°	397	395	476	508	513	393
75°	215	252	288	276	270	229
85°	46	62	42	29	28	58
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1045.6	1045.6	1045.6	1045.6	1045.6
2.5°	1049.5	1046.7	1038.8	1045.6	1045.0
5°	1046.1	1043.9	1036.0	1042.8	1042.2
7.5°	1041.1	1038.8	1030.9	1037.7	1036.0
10°	1032.6	1030.9	1023.6	1028.7	1026.4
12.5°	1022.5	1020.8	1012.3	1017.9	1015.1
15°	1009.5	1007.2	999.3	1003.8	1001.0
17.5°	994.8	992.0	984.1	988.6	985.8
20°	978.5	974.5	966.1	972.3	969.4
22.5°	958.7	955.9	945.8	952.5	949.7
25°	939.0	933.3	924.9	931.1	930.5
27.5°	915.3	909.7	901.2	908.5	907.4
30°	890.5	884.3	877.0	884.3	884.3
32.5°	864.5	856.7	851.0	859.5	862.3
35°	837.5	826.8	822.8	836.9	838.6
37.5°	807.6	796.9	793.5	812.1	816.6
40°	777.7	764.2	764.7	788.4	795.2
42.5°	744.4	730.9	737.1	764.7	777.1
45°	711.1	695.9	707.2	743.3	756.3
47.5°	676.2	661.5	680.1	722.4	738.8
50°	638.4	623.7	651.4	702.7	721.3
52.5°	600.0	584.8	623.7	682.4	699.3
55°	562.3	547.0	597.8	657.0	669.4
57.5°	521.7	508.7	570.7	623.7	636.1
60°	481.6	470.3	544.8	589.9	601.7
62.5°	440.5	432.0	513.2	551.0	557.8
65°	397.0	394.8	476.0	508.1	512.6
67.5°	353.6	359.2	437.6	458.5	459.1
70°	309.0	324.3	393.6	402.7	398.7
72.5°	263.9	290.4	345.1	340.6	337.2
75°	215.4	251.5	288.2	275.8	269.6
77.5°	171.4	212.0	227.3	209.8	200.2
80°	128.0	167.5	166.4	143.8	138.7
82.5°	86.3	116.7	99.8	81.2	71.1
85°	46.2	62.0	42.3	29.3	27.6
87.5°	17.5	14.7	11.3	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)