

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-100-HE-L840**

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-100-HE-L840  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

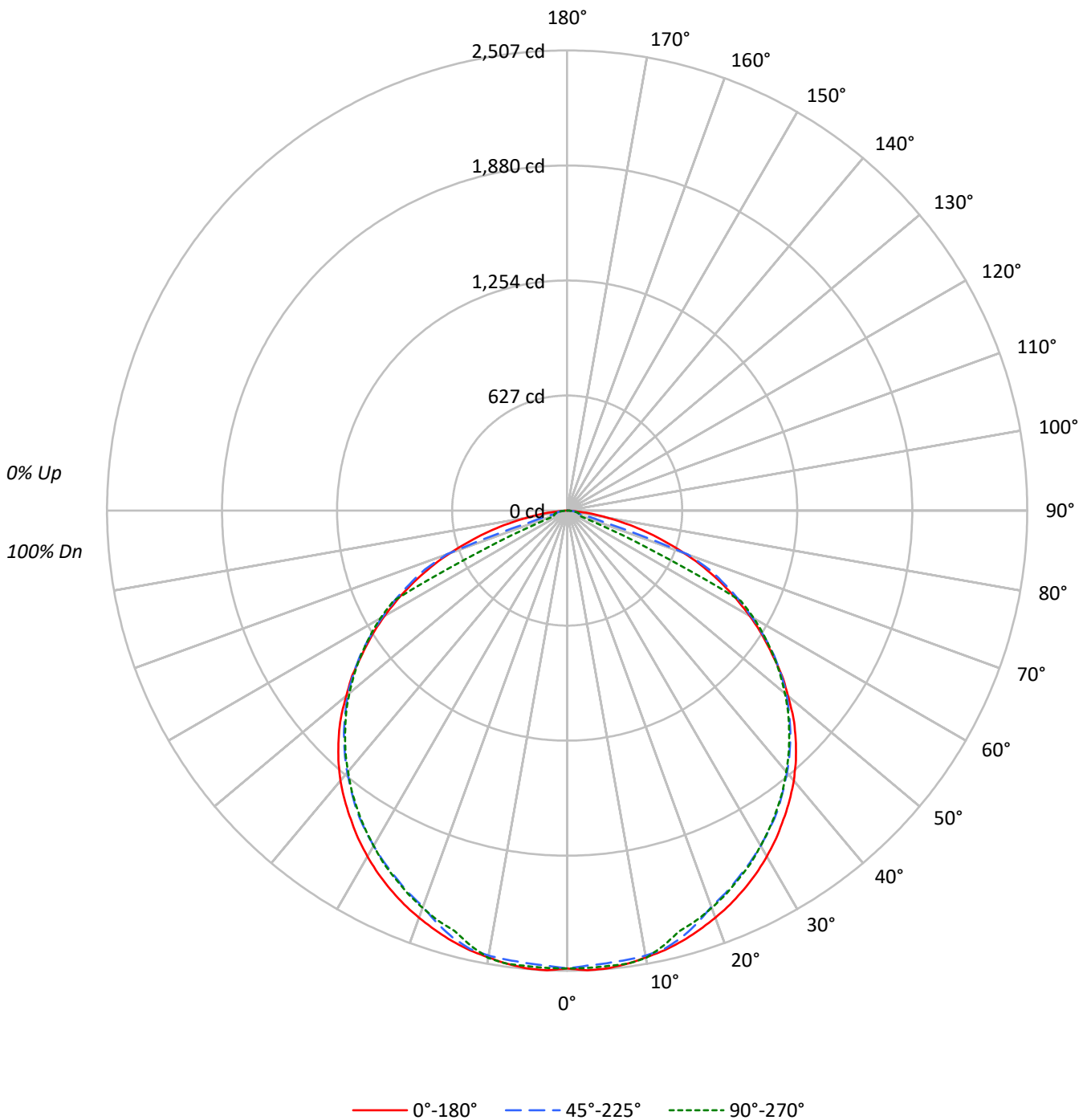
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6866.8 lumens  
Efficiency: N/A  
Efficacy: 238.4 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): 28.8  
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-100-HE-L840

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-100-HE-L840

**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°	4475	4475	4475
5°	4509	4457	4486
10°	4503	4486	4509
15°	4508	4473	4402
20°	4506	4385	4397
25°	4509	4370	4382
30°	4507	4369	4369
35°	4500	4374	4360
40°	4499	4364	4349
45°	4469	4364	4340
50°	4383	4356	4321
55°	4264	4304	4284
60°	4126	4172	4217
65°	3908	4016	2123
70°	3576	3660	401
75°	3069	442	486
80°	2304	559	559
85°	1179	589	525



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-100-HE-L840

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.0	3.5
10°-20°	678.9	9.9
20°-30°	1032.0	15.0
30°-40°	1257.1	18.3
40°-50°	1330.2	19.4
50°-60°	1220.1	17.8
60°-70°	823.0	12.0
70°-80°	248.7	3.6
80°-90°	39.8	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°	1947.8	28.4
0°-40°	3204.9	46.7
0°-60°	5755.3	83.8
0°-90°	6866.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6866.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2494	2494	2494	2494	2494	
5°	2504	2485	2475	2498	2491	238
15°	2427	2415	2408	2389	2370	685
25°	2278	2274	2208	2230	2214	1050
35°	2055	2010	1997	2004	1991	1287
45°	1762	1720	1720	1723	1711	1356
55°	1363	1344	1376	1376	1370	1220
65°	921	908	946	959	500	909
75°	443	446	64	70	70	469
85°	57	29	29	26	26	87
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-100-HE-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2494.4	2494.4	2494.4	2494.4	2494.4
2.5°	2507.1	2487.9	2481.6	2497.5	2494.4
5°	2503.9	2484.8	2475.2	2497.5	2491.1
7.5°	2491.1	2472.0	2468.9	2494.4	2491.1
10°	2472.0	2459.3	2462.4	2484.8	2475.2
12.5°	2452.9	2440.2	2446.5	2440.2	2427.4
15°	2427.4	2414.7	2408.3	2389.2	2370.1
17.5°	2395.6	2389.2	2357.3	2351.0	2341.4
20°	2360.5	2360.5	2296.8	2316.0	2303.2
22.5°	2322.3	2322.3	2255.4	2274.5	2261.8
25°	2277.7	2274.5	2207.6	2229.9	2214.0
27.5°	2229.9	2214.0	2159.8	2178.9	2166.2
30°	2175.8	2147.1	2108.9	2121.6	2108.9
32.5°	2118.4	2077.0	2054.7	2064.3	2051.5
35°	2054.7	2010.1	1997.4	2003.7	1991.0
37.5°	1991.0	1943.2	1930.5	1940.0	1927.2
40°	1920.9	1876.3	1863.5	1870.0	1857.2
42.5°	1844.5	1806.3	1793.5	1796.7	1787.1
45°	1761.6	1720.2	1720.2	1723.4	1710.6
47.5°	1672.4	1637.4	1640.6	1643.8	1634.2
50°	1570.5	1545.0	1560.9	1564.2	1548.2
52.5°	1475.0	1449.5	1468.5	1475.0	1462.2
55°	1363.4	1344.3	1376.2	1376.2	1369.8
57.5°	1258.3	1239.2	1271.1	1283.8	1274.2
60°	1150.0	1130.9	1162.7	1185.0	1175.4
62.5°	1035.3	1019.4	1057.6	1086.2	1067.2
65°	920.6	907.9	946.1	958.8	500.1
67.5°	802.8	793.2	837.8	302.7	79.6
70°	681.7	672.2	697.7	76.5	76.5
72.5°	557.5	560.7	223.0	73.3	73.3
75°	442.8	446.0	63.7	70.1	70.1
77.5°	328.2	334.4	60.6	63.7	63.7
80°	223.0	162.5	54.1	54.1	54.1
82.5°	133.8	38.2	41.4	41.4	38.2
85°	57.3	28.6	28.6	25.5	25.5
87.5°	19.1	12.7	12.7	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)