

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-150-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-150-HE-L840
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

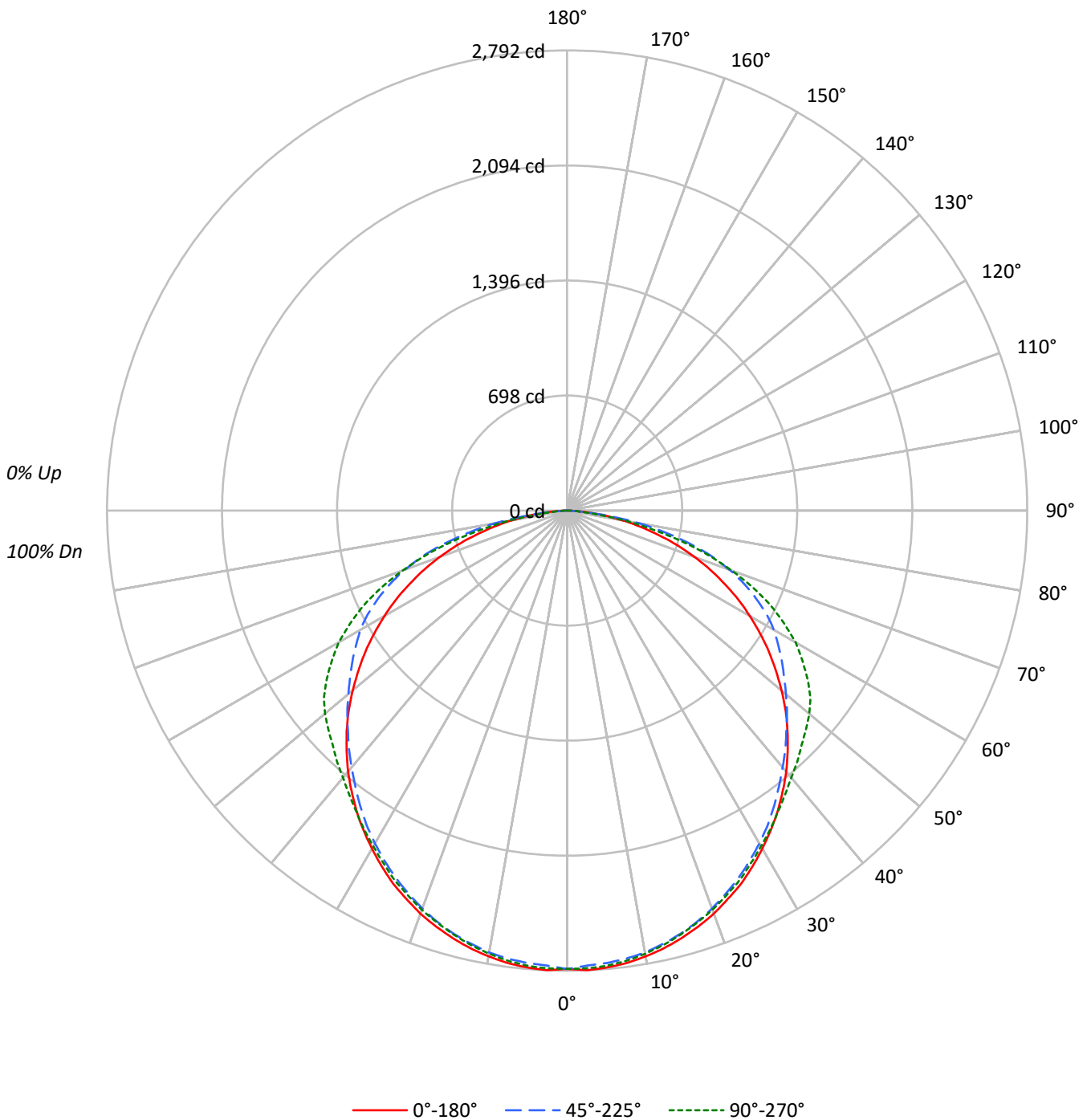
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8561.9 lumens
Efficiency: N/A
Efficacy: 193.7 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): 44.2
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-150-HE-L840

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-150-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	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°	4989	4989	4989
5°	5011	4962	4992
10°	5003	4959	4973
15°	4987	4937	4945
20°	4968	4905	4923
25°	4944	4869	4899
30°	4906	4832	4872
35°	4878	4793	4885
40°	4844	4763	4953
45°	4799	4772	5103
50°	4739	4835	5354
55°	4678	4973	5569
60°	4596	5199	5743
65°	4483	5374	5788
70°	4312	5492	5563
75°	3972	5313	4970
80°	3518	4572	3812
85°	2532	2316	1513



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-150-HE-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	3.1
10°-20°	753.7	8.8
20°-30°	1141.2	13.3
30°-40°	1384.2	16.2
40°-50°	1480.7	17.3
50°-60°	1435.2	16.8
60°-70°	1202.0	14.0
70°-80°	738.6	8.6
80°-90°	163.1	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°	2158.2	25.2
0°-40°	3542.4	41.4
0°-60°	6458.3	75.4
0°-90°	8561.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8561.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2781	2781	2781	2781	2781	
5°	2782	2776	2756	2774	2772	264
15°	2685	2679	2658	2670	2662	758
25°	2498	2482	2460	2476	2475	1150
35°	2228	2199	2188	2226	2230	1393
45°	1892	1851	1881	1977	2012	1459
55°	1496	1455	1590	1748	1780	1335
65°	1056	1050	1266	1352	1364	1044
75°	573	669	766	734	717	610
85°	123	165	112	78	74	155
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-150-HE-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2781.0	2781.0	2781.0	2781.0	2781.0
2.5°	2791.5	2784.0	2763.0	2781.0	2779.5
5°	2782.5	2776.5	2755.5	2773.5	2772.0
7.5°	2769.0	2763.0	2742.0	2760.0	2755.5
10°	2746.5	2742.0	2722.5	2736.0	2730.0
12.5°	2719.5	2715.0	2692.5	2707.5	2700.0
15°	2685.0	2679.0	2658.0	2670.0	2662.5
17.5°	2646.0	2638.5	2617.5	2629.5	2622.0
20°	2602.5	2592.0	2569.5	2586.0	2578.5
22.5°	2550.0	2542.5	2515.5	2533.5	2526.0
25°	2497.5	2482.5	2460.0	2476.5	2475.0
27.5°	2434.5	2419.5	2397.0	2416.5	2413.5
30°	2368.5	2352.0	2332.5	2352.0	2352.0
32.5°	2299.5	2278.5	2263.5	2286.0	2293.5
35°	2227.5	2199.0	2188.5	2226.0	2230.5
37.5°	2148.0	2119.5	2110.5	2160.0	2172.0
40°	2068.5	2032.5	2034.0	2097.0	2115.0
42.5°	1980.0	1944.0	1960.5	2034.0	2067.0
45°	1891.5	1851.0	1881.0	1977.0	2011.5
47.5°	1798.5	1759.5	1809.0	1921.5	1965.0
50°	1698.0	1659.0	1732.5	1869.0	1918.5
52.5°	1596.0	1555.5	1659.0	1815.0	1860.0
55°	1495.5	1455.0	1590.0	1747.5	1780.5
57.5°	1387.5	1353.0	1518.0	1659.0	1692.0
60°	1281.0	1251.0	1449.0	1569.0	1600.5
62.5°	1171.5	1149.0	1365.0	1465.5	1483.5
65°	1056.0	1050.0	1266.0	1351.5	1363.5
67.5°	940.5	955.5	1164.0	1219.5	1221.0
70°	822.0	862.5	1047.0	1071.0	1060.5
72.5°	702.0	772.5	918.0	906.0	897.0
75°	573.0	669.0	766.5	733.5	717.0
77.5°	456.0	564.0	604.5	558.0	532.5
80°	340.5	445.5	442.5	382.5	369.0
82.5°	229.5	310.5	265.5	216.0	189.0
85°	123.0	165.0	112.5	78.0	73.5
87.5°	46.5	39.0	30.0	27.0	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)