

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-100-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-100-HE-L850
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

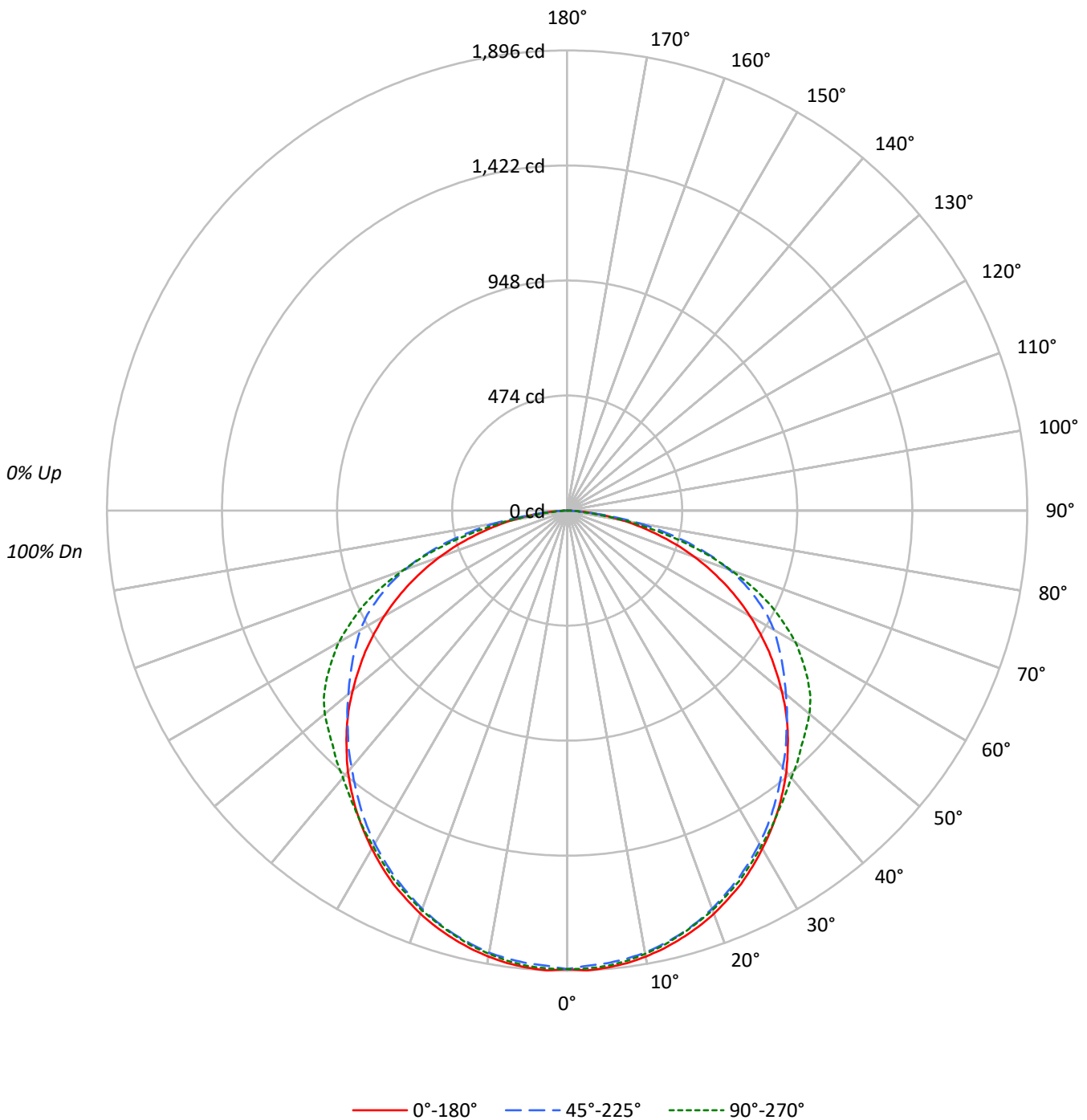
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5816.9 lumens
Efficiency: N/A
Efficacy: 202.0 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): 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-TS-100-HE-L850

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-100-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	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°	3390	3390	3390
5°	3404	3371	3392
10°	3399	3369	3379
15°	3388	3354	3360
20°	3376	3333	3344
25°	3359	3308	3328
30°	3333	3283	3310
35°	3314	3256	3319
40°	3291	3236	3365
45°	3260	3242	3467
50°	3220	3285	3638
55°	3178	3379	3784
60°	3123	3532	3902
65°	3045	3651	3933
70°	2929	3731	3779
75°	2698	3610	3376
80°	2390	3106	2590
85°	1721	1573	1027



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-100-HE-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	3.1
10°-20°	512.0	8.8
20°-30°	775.3	13.3
30°-40°	940.4	16.2
40°-50°	1006.0	17.3
50°-60°	975.0	16.8
60°-70°	816.6	14.0
70°-80°	501.8	8.6
80°-90°	110.8	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°	1466.3	25.2
0°-40°	2406.7	41.4
0°-60°	4387.7	75.4
0°-90°	5816.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5816.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1889	1889	1889	1889	1889	
5°	1890	1886	1872	1884	1883	180
15°	1824	1820	1806	1814	1809	515
25°	1697	1687	1671	1682	1682	781
35°	1513	1494	1487	1512	1515	946
45°	1285	1258	1278	1343	1367	991
55°	1016	988	1080	1187	1210	907
65°	717	713	860	918	926	709
75°	389	454	521	498	487	414
85°	84	112	76	53	50	105
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-100-HE-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1889.4	1889.4	1889.4	1889.4	1889.4
2.5°	1896.5	1891.4	1877.2	1889.4	1888.4
5°	1890.4	1886.3	1872.1	1884.3	1883.3
7.5°	1881.2	1877.2	1862.9	1875.1	1872.1
10°	1866.0	1862.9	1849.6	1858.8	1854.7
12.5°	1847.6	1844.6	1829.3	1839.5	1834.4
15°	1824.2	1820.1	1805.8	1814.0	1808.9
17.5°	1797.7	1792.6	1778.3	1786.5	1781.4
20°	1768.1	1761.0	1745.7	1756.9	1751.8
22.5°	1732.5	1727.4	1709.0	1721.2	1716.1
25°	1696.8	1686.6	1671.3	1682.5	1681.5
27.5°	1654.0	1643.8	1628.5	1641.8	1639.7
30°	1609.1	1597.9	1584.7	1597.9	1597.9
32.5°	1562.3	1548.0	1537.8	1553.1	1558.2
35°	1513.3	1494.0	1486.9	1512.3	1515.4
37.5°	1459.3	1440.0	1433.9	1467.5	1475.6
40°	1405.3	1380.9	1381.9	1424.7	1436.9
42.5°	1345.2	1320.7	1332.0	1381.9	1404.3
45°	1285.1	1257.6	1277.9	1343.2	1366.6
47.5°	1221.9	1195.4	1229.0	1305.5	1335.0
50°	1153.6	1127.1	1177.0	1269.8	1303.4
52.5°	1084.3	1056.8	1127.1	1233.1	1263.7
55°	1016.0	988.5	1080.2	1187.2	1209.7
57.5°	942.7	919.2	1031.3	1127.1	1149.5
60°	870.3	849.9	984.4	1066.0	1087.4
62.5°	795.9	780.6	927.4	995.7	1007.9
65°	717.4	713.4	860.1	918.2	926.4
67.5°	639.0	649.2	790.8	828.5	829.5
70°	558.5	586.0	711.3	727.6	720.5
72.5°	476.9	524.8	623.7	615.5	609.4
75°	389.3	454.5	520.8	498.3	487.1
77.5°	309.8	383.2	410.7	379.1	361.8
80°	231.3	302.7	300.6	259.9	250.7
82.5°	155.9	211.0	180.4	146.7	128.4
85°	83.6	112.1	76.4	53.0	49.9
87.5°	31.6	26.5	20.4	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)