

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: **4RSRK-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: 4RSRK-TS-150-HE-L840
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

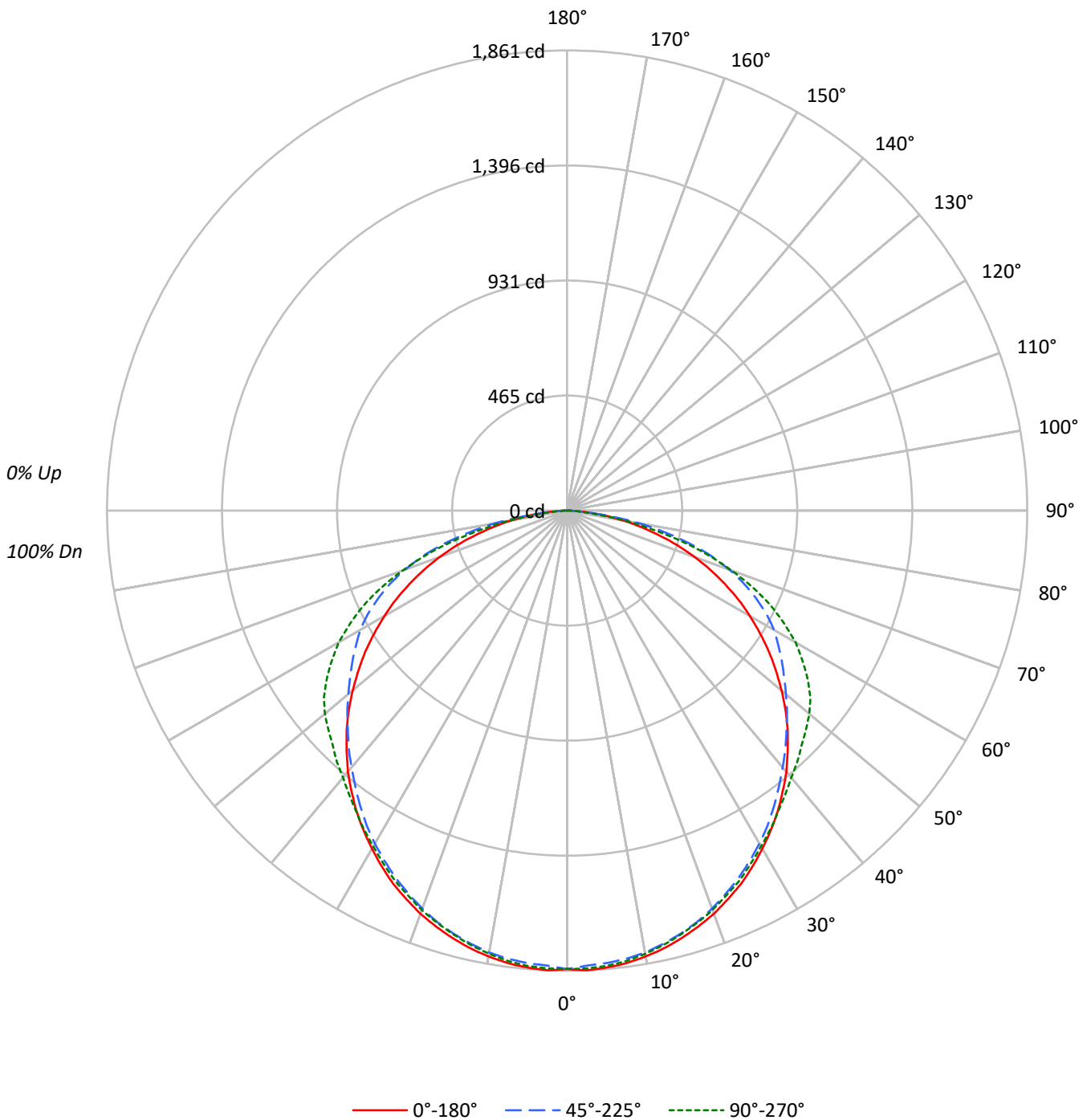
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5708.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' 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: 4RSRK-TS-150-HE-L840

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-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: 4RSRK-TS-150-HE-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	3.1
10°-20°	502.4	8.8
20°-30°	760.8	13.3
30°-40°	922.8	16.2
40°-50°	987.1	17.3
50°-60°	956.8	16.8
60°-70°	801.3	14.0
70°-80°	492.4	8.6
80°-90°	108.7	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°	1438.8	25.2
0°-40°	2361.6	41.4
0°-60°	4305.5	75.4
0°-90°	5708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1855	1851	1837	1849	1848	176
15°	1790	1786	1772	1780	1775	505
25°	1665	1655	1640	1651	1650	767
35°	1485	1466	1459	1484	1487	929
45°	1261	1234	1254	1318	1341	972
55°	997	970	1060	1165	1187	890
65°	704	700	844	901	909	696
75°	382	446	511	489	478	406
85°	82	110	75	52	49	103
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-150-HE-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1854	1854	1854	1854	1854
2.5°	1861	1856	1842	1854	1853
5°	1855	1851	1837	1849	1848
7.5°	1846	1842	1828	1840	1837
10°	1831	1828	1815	1824	1820
12.5°	1813	1810	1795	1805	1800
15°	1790	1786	1772	1780	1775
17.5°	1764	1759	1745	1753	1748
20°	1735	1728	1713	1724	1719
22.5°	1700	1695	1677	1689	1684
25°	1665	1655	1640	1651	1650
27.5°	1623	1613	1598	1611	1609
30°	1579	1568	1555	1568	1568
32.5°	1533	1519	1509	1524	1529
35°	1485	1466	1459	1484	1487
37.5°	1432	1413	1407	1440	1448
40°	1379	1355	1356	1398	1410
42.5°	1320	1296	1307	1356	1378
45°	1261	1234	1254	1318	1341
47.5°	1199	1173	1206	1281	1310
50°	1132	1106	1155	1246	1279
52.5°	1064	1037	1106	1210	1240
55°	997	970	1060	1165	1187
57.5°	925	902	1012	1106	1128
60°	854	834	966	1046	1067
62.5°	781	766	910	977	989
65°	704	700	844	901	909
67.5°	627	637	776	813	814
70°	548	575	698	714	707
72.5°	468	515	612	604	598
75°	382	446	511	489	478
77.5°	304	376	403	372	355
80°	227	297	295	255	246
82.5°	153	207	177	144	126
85°	82	110	75	52	49
87.5°	31	26	20	18	18
90°	0	0	0	0	0

(END OF REPORT)