

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-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-150-HE-L940
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

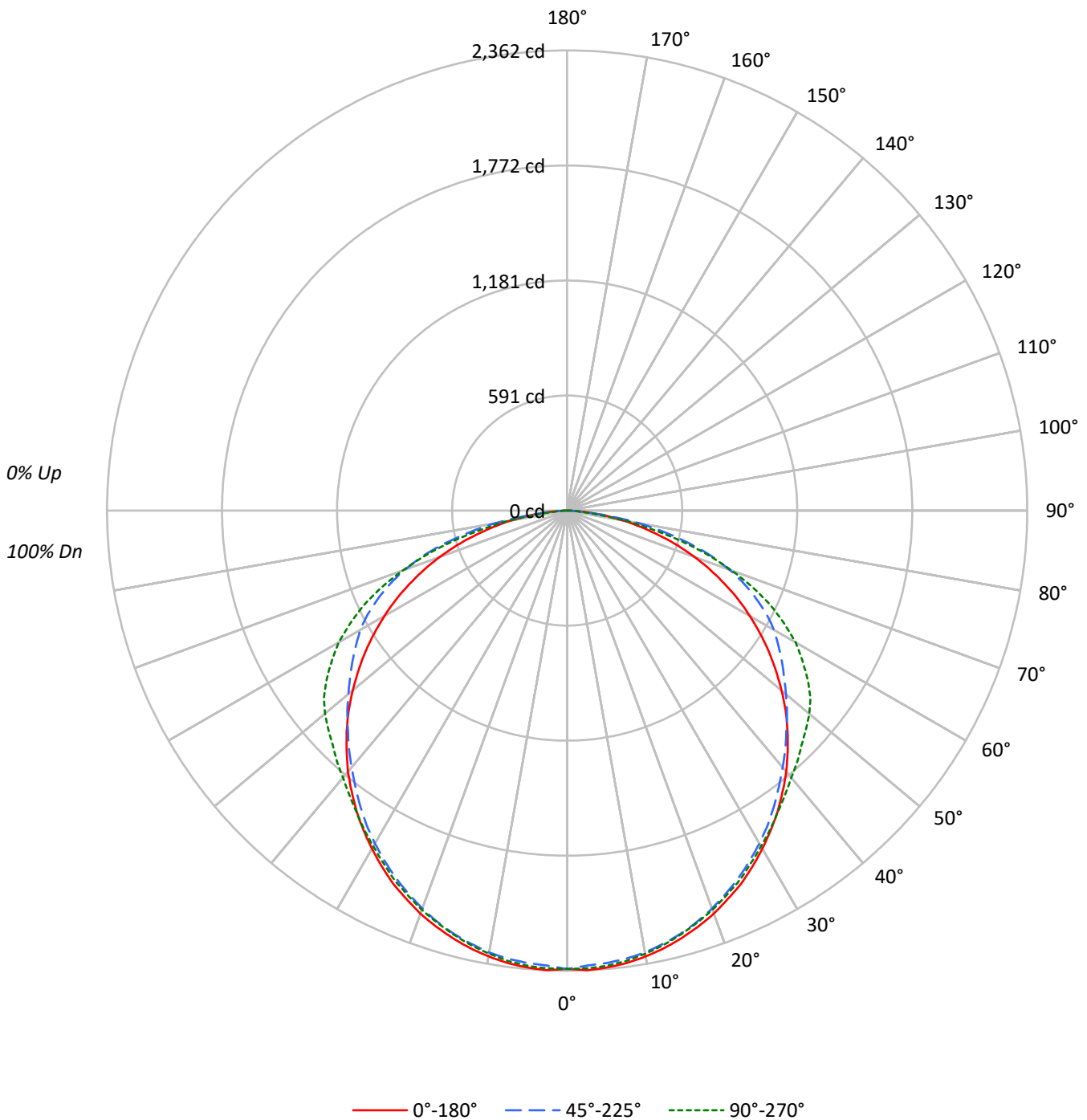
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7243.5 lumens
Efficiency: N/A
Efficacy: 163.9 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

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Luminous Intensity Polar Plot





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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°	4221	4221	4221
5°	4239	4198	4223
10°	4233	4196	4207
15°	4219	4176	4184
20°	4203	4150	4165
25°	4182	4120	4145
30°	4151	4088	4122
35°	4127	4055	4133
40°	4098	4030	4190
45°	4060	4037	4317
50°	4009	4091	4530
55°	3957	4207	4711
60°	3888	4398	4858
65°	3792	4546	4897
70°	3648	4646	4706
75°	3360	4495	4205
80°	2976	3868	3225
85°	2143	1960	1280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	3.1
10°-20°	637.6	8.8
20°-30°	965.5	13.3
30°-40°	1171.0	16.2
40°-50°	1252.7	17.3
50°-60°	1214.2	16.8
60°-70°	1016.9	14.0
70°-80°	624.8	8.6
80°-90°	138.0	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°	1825.9	25.2
0°-40°	2996.9	41.4
0°-60°	5463.7	75.4
0°-90°	7243.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7243.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2354	2349	2331	2346	2345	224
15°	2272	2266	2249	2259	2252	641
25°	2113	2100	2081	2095	2094	973
35°	1884	1860	1852	1883	1887	1179
45°	1600	1566	1591	1673	1702	1234
55°	1265	1231	1345	1478	1506	1129
65°	893	888	1071	1143	1154	883
75°	485	566	648	620	607	516
85°	104	140	95	66	62	131
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2352.7	2352.7	2352.7	2352.7	2352.7
2.5°	2361.6	2355.3	2337.5	2352.7	2351.5
5°	2354.0	2348.9	2331.2	2346.4	2345.1
7.5°	2342.6	2337.5	2319.7	2335.0	2331.2
10°	2323.6	2319.7	2303.2	2314.7	2309.6
12.5°	2300.7	2296.9	2277.9	2290.6	2284.2
15°	2271.5	2266.4	2248.7	2258.8	2252.5
17.5°	2238.5	2232.2	2214.4	2224.6	2218.2
20°	2201.7	2192.8	2173.8	2187.8	2181.4
22.5°	2157.3	2151.0	2128.1	2143.4	2137.0
25°	2112.9	2100.2	2081.2	2095.1	2093.9
27.5°	2059.6	2046.9	2027.9	2044.4	2041.8
30°	2003.8	1989.8	1973.3	1989.8	1989.8
32.5°	1945.4	1927.6	1914.9	1934.0	1940.3
35°	1884.5	1860.4	1851.5	1883.2	1887.0
37.5°	1817.2	1793.1	1785.5	1827.4	1837.5
40°	1750.0	1719.5	1720.8	1774.1	1789.3
42.5°	1675.1	1644.6	1658.6	1720.8	1748.7
45°	1600.2	1566.0	1591.3	1672.6	1701.7
47.5°	1521.5	1488.5	1530.4	1625.6	1662.4
50°	1436.5	1403.5	1465.7	1581.2	1623.1
52.5°	1350.2	1316.0	1403.5	1535.5	1573.6
55°	1265.2	1230.9	1345.1	1478.4	1506.3
57.5°	1173.8	1144.6	1284.2	1403.5	1431.4
60°	1083.7	1058.4	1225.9	1327.4	1354.0
62.5°	991.1	972.1	1154.8	1239.8	1255.0
65°	893.4	888.3	1071.0	1143.4	1153.5
67.5°	795.7	808.4	984.8	1031.7	1033.0
70°	695.4	729.7	885.8	906.1	897.2
72.5°	593.9	653.5	776.6	766.5	758.9
75°	484.8	566.0	648.5	620.5	606.6
77.5°	385.8	477.1	511.4	472.1	450.5
80°	288.1	376.9	374.4	323.6	312.2
82.5°	194.2	262.7	224.6	182.7	159.9
85°	104.1	139.6	95.2	66.0	62.2
87.5°	39.3	33.0	25.4	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)