

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-100-HE-L940
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

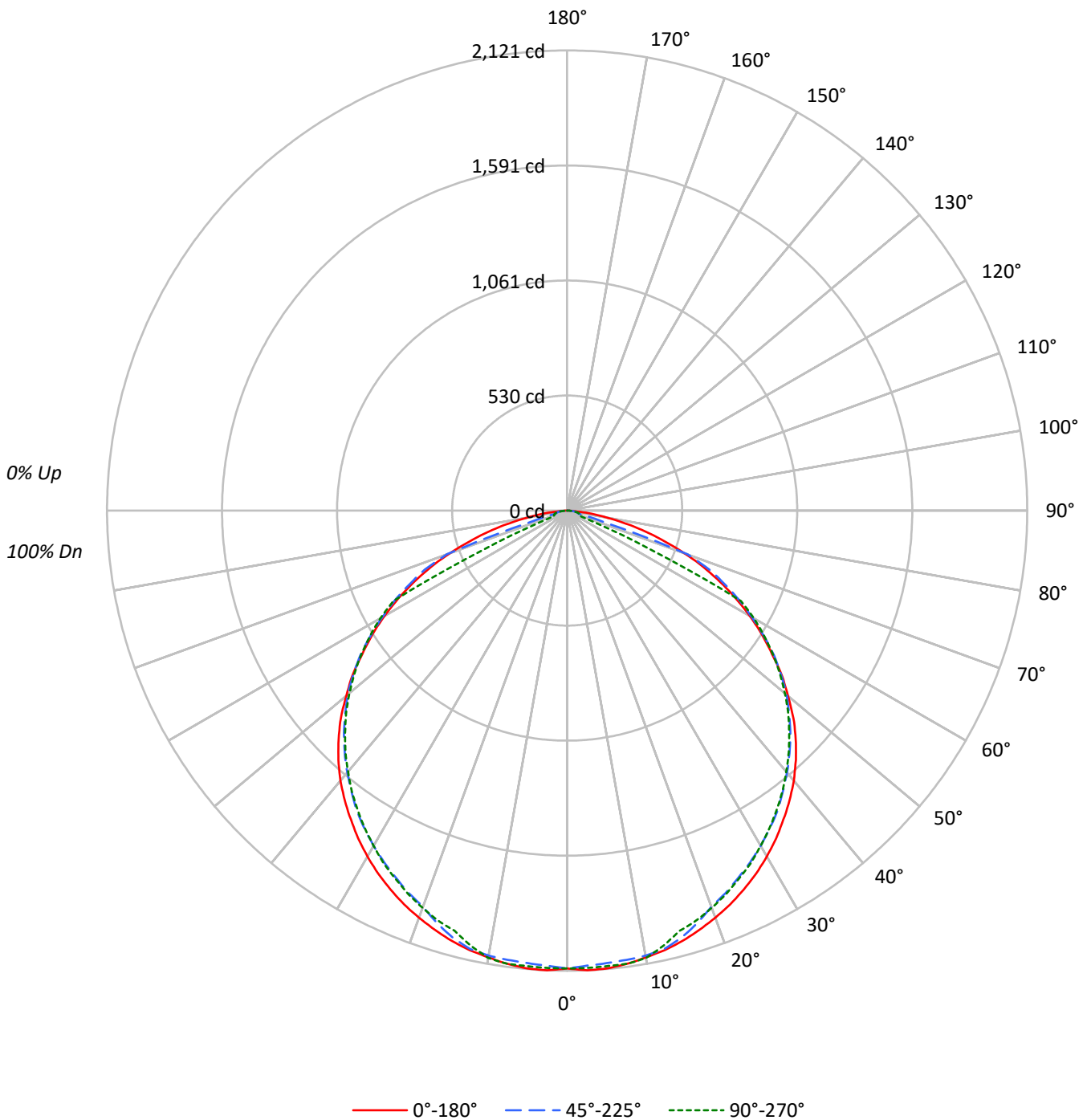
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5809.2 lumens
Efficiency: N/A
Efficacy: 201.7 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

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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	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°	3786	3786	3786
5°	3815	3771	3795
10°	3810	3795	3815
15°	3814	3784	3724
20°	3813	3710	3720
25°	3814	3697	3708
30°	3813	3696	3696
35°	3807	3701	3689
40°	3806	3692	3680
45°	3781	3692	3672
50°	3708	3686	3656
55°	3608	3641	3625
60°	3491	3529	3568
65°	3306	3398	1796
70°	3025	3096	339
75°	2597	374	411
80°	1949	473	473
85°	998	498	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	3.5
10°-20°	574.3	9.9
20°-30°	873.1	15.0
30°-40°	1063.5	18.3
40°-50°	1125.4	19.4
50°-60°	1032.2	17.8
60°-70°	696.2	12.0
70°-80°	210.4	3.6
80°-90°	33.7	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°	1647.9	28.4
0°-40°	2711.4	46.7
0°-60°	4868.9	83.8
0°-90°	5809.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5809.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2110	2110	2110	2110	2110	
5°	2118	2102	2094	2113	2108	201
15°	2054	2043	2037	2021	2005	580
25°	1927	1924	1868	1886	1873	889
35°	1738	1701	1690	1695	1684	1088
45°	1490	1455	1455	1458	1447	1147
55°	1154	1137	1164	1164	1159	1032
65°	779	768	800	811	423	769
75°	375	377	54	59	59	397
85°	48	24	24	22	22	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2110.2	2110.2	2110.2	2110.2	2110.2
2.5°	2121.0	2104.8	2099.4	2112.9	2110.2
5°	2118.3	2102.1	2094.0	2112.9	2107.5
7.5°	2107.5	2091.3	2088.7	2110.2	2107.5
10°	2091.3	2080.5	2083.2	2102.1	2094.0
12.5°	2075.2	2064.4	2069.8	2064.4	2053.6
15°	2053.6	2042.8	2037.4	2021.3	2005.1
17.5°	2026.6	2021.3	1994.3	1988.9	1980.9
20°	1997.0	1997.0	1943.1	1959.3	1948.5
22.5°	1964.6	1964.6	1908.1	1924.2	1913.5
25°	1927.0	1924.2	1867.6	1886.5	1873.1
27.5°	1886.5	1873.1	1827.2	1843.4	1832.6
30°	1840.7	1816.4	1784.1	1794.9	1784.1
32.5°	1792.1	1757.1	1738.2	1746.4	1735.6
35°	1738.2	1700.6	1689.8	1695.1	1684.3
37.5°	1684.3	1644.0	1633.2	1641.2	1630.4
40°	1625.1	1587.3	1576.5	1582.0	1571.2
42.5°	1560.4	1528.1	1517.3	1520.0	1511.9
45°	1490.3	1455.3	1455.3	1458.0	1447.2
47.5°	1414.8	1385.2	1388.0	1390.6	1382.5
50°	1328.6	1307.0	1320.6	1323.3	1309.8
52.5°	1247.8	1226.3	1242.4	1247.8	1237.0
55°	1153.5	1137.3	1164.2	1164.2	1158.9
57.5°	1064.6	1048.3	1075.3	1086.1	1078.0
60°	972.9	956.8	983.6	1002.5	994.4
62.5°	875.8	862.4	894.7	919.0	902.9
65°	778.8	768.0	800.4	811.2	423.1
67.5°	679.1	671.0	708.8	256.1	67.3
70°	576.7	568.7	590.2	64.7	64.7
72.5°	471.7	474.3	188.7	62.0	62.0
75°	374.6	377.3	53.9	59.3	59.3
77.5°	277.6	282.9	51.2	53.9	53.9
80°	188.7	137.5	45.8	45.8	45.8
82.5°	113.2	32.3	35.0	35.0	32.3
85°	48.5	24.2	24.2	21.6	21.6
87.5°	16.2	10.8	10.8	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)