

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-50-HE-L935**

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-50-HE-L935
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

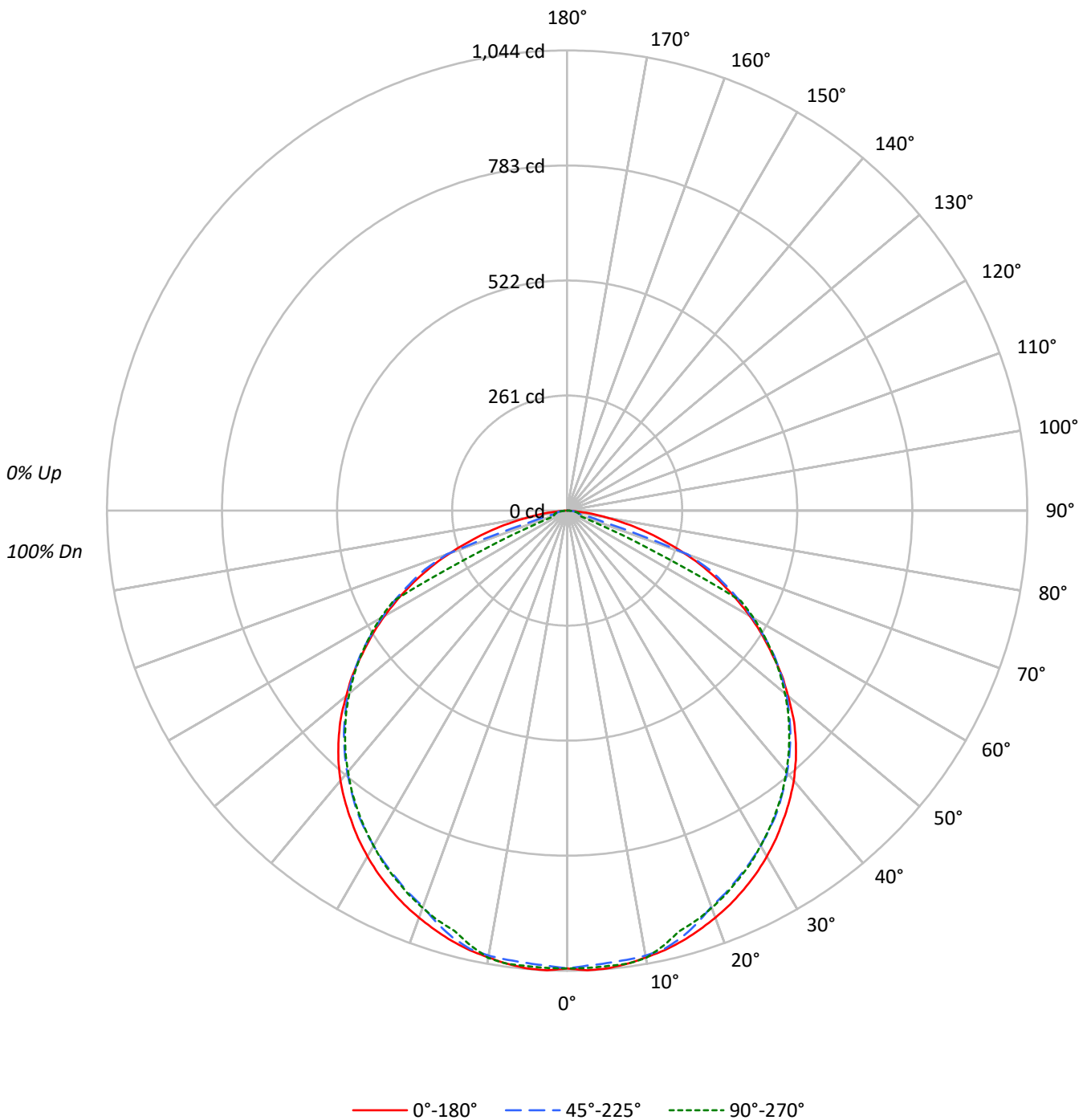
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2859.5 lumens
Efficiency: N/A
Efficacy: 200.0 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): 14.3
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°	1863	1863	1863
5°	1878	1856	1868
10°	1875	1868	1878
15°	1877	1863	1833
20°	1877	1826	1831
25°	1878	1820	1825
30°	1877	1819	1819
35°	1874	1822	1816
40°	1873	1817	1811
45°	1861	1817	1807
50°	1825	1814	1799
55°	1776	1792	1784
60°	1718	1737	1756
65°	1628	1673	884
70°	1489	1524	167
75°	1278	184	202
80°	960	232	232
85°	492	245	218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	3.5
10°-20°	282.7	9.9
20°-30°	429.8	15.0
30°-40°	523.5	18.3
40°-50°	553.9	19.4
50°-60°	508.1	17.8
60°-70°	342.7	12.0
70°-80°	103.6	3.6
80°-90°	16.6	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
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0°-30°	811.1	28.4
0°-40°	1334.6	46.7
0°-60°	2396.6	83.8
0°-90°	2859.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1043	1035	1031	1040	1037	99
15°	1011	1006	1003	995	987	285
25°	948	947	919	929	922	437
35°	856	837	832	834	829	536
45°	734	716	716	718	712	565
55°	568	560	573	573	570	508
65°	383	378	394	399	208	378
75°	184	186	26	29	29	195
85°	24	12	12	11	11	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1038.7	1038.7	1038.7	1038.7	1038.7
2.5°	1044.0	1036.0	1033.4	1040.0	1038.7
5°	1042.7	1034.7	1030.7	1040.0	1037.4
7.5°	1037.4	1029.4	1028.1	1038.7	1037.4
10°	1029.4	1024.1	1025.4	1034.7	1030.7
12.5°	1021.5	1016.1	1018.8	1016.1	1010.8
15°	1010.8	1005.5	1002.9	994.9	987.0
17.5°	997.6	994.9	981.7	979.0	975.0
20°	983.0	983.0	956.4	964.4	959.1
22.5°	967.0	967.0	939.2	947.2	941.9
25°	948.5	947.2	919.3	928.6	922.0
27.5°	928.6	922.0	899.4	907.4	902.1
30°	906.1	894.1	878.2	883.5	878.2
32.5°	882.1	864.9	855.6	859.6	854.3
35°	855.6	837.1	831.8	834.4	829.1
37.5°	829.1	809.2	803.9	807.9	802.6
40°	799.9	781.3	776.0	778.7	773.4
42.5°	768.1	752.2	746.9	748.2	744.2
45°	733.6	716.3	716.3	717.7	712.3
47.5°	696.4	681.9	683.2	684.5	680.5
50°	654.0	643.4	650.0	651.4	644.7
52.5°	614.2	603.6	611.5	614.2	608.9
55°	567.8	559.8	573.1	573.1	570.4
57.5°	524.0	516.0	529.3	534.6	530.6
60°	478.9	470.9	484.2	493.5	489.5
62.5°	431.1	424.5	440.4	452.3	444.4
65°	383.4	378.1	394.0	399.3	208.3
67.5°	334.3	330.3	348.9	126.0	33.1
70°	283.9	279.9	290.5	31.8	31.8
72.5°	232.2	233.5	92.9	30.5	30.5
75°	184.4	185.7	26.5	29.2	29.2
77.5°	136.7	139.3	25.2	26.5	26.5
80°	92.9	67.7	22.5	22.5	22.5
82.5°	55.7	15.9	17.2	17.2	15.9
85°	23.9	11.9	11.9	10.6	10.6
87.5°	8.0	5.3	5.3	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)