

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-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-50-HE-L940
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

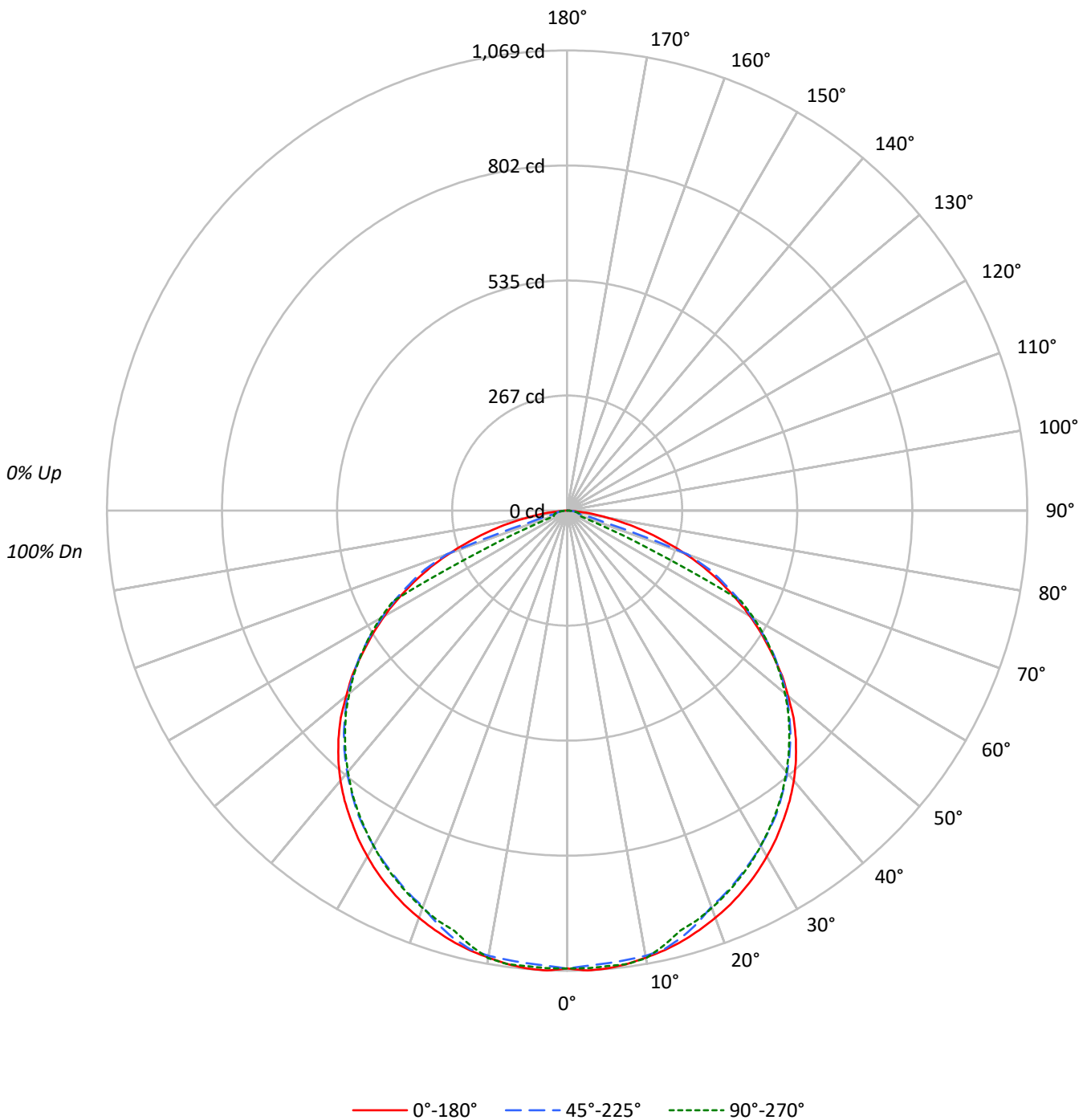
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2928.8 lumens
Efficiency: N/A
Efficacy: 204.8 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°	1909	1909	1909
5°	1923	1901	1913
10°	1921	1913	1923
15°	1923	1908	1878
20°	1922	1870	1876
25°	1923	1864	1869
30°	1922	1863	1863
35°	1919	1866	1860
40°	1919	1861	1855
45°	1906	1861	1851
50°	1869	1858	1843
55°	1819	1836	1827
60°	1760	1779	1799
65°	1667	1713	905
70°	1525	1561	171
75°	1309	189	207
80°	982	239	239
85°	504	251	224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	3.5
10°-20°	289.5	9.9
20°-30°	440.2	15.0
30°-40°	536.2	18.3
40°-50°	567.4	19.4
50°-60°	520.4	17.8
60°-70°	351.0	12.0
70°-80°	106.1	3.6
80°-90°	17.0	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°	830.8	28.4
0°-40°	1366.9	46.7
0°-60°	2454.7	83.8
0°-90°	2928.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2928.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1068	1060	1056	1065	1062	101
15°	1035	1030	1027	1019	1011	292
25°	972	970	942	951	944	448
35°	876	857	852	855	849	549
45°	751	734	734	735	730	578
55°	582	573	587	587	584	520
65°	393	387	404	409	213	388
75°	189	190	27	30	30	200
85°	24	12	12	11	11	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1063.9	1063.9	1063.9	1063.9	1063.9
2.5°	1069.3	1061.1	1058.4	1065.2	1063.9
5°	1067.9	1059.8	1055.7	1065.2	1062.5
7.5°	1062.5	1054.3	1053.0	1063.9	1062.5
10°	1054.3	1048.9	1050.3	1059.8	1055.7
12.5°	1046.2	1040.8	1043.5	1040.8	1035.3
15°	1035.3	1029.9	1027.2	1019.0	1010.9
17.5°	1021.7	1019.0	1005.4	1002.7	998.7
20°	1006.8	1006.8	979.6	987.8	982.4
22.5°	990.5	990.5	962.0	970.1	964.7
25°	971.5	970.1	941.6	951.1	944.3
27.5°	951.1	944.3	921.2	929.3	923.9
30°	928.0	915.8	899.5	904.9	899.5
32.5°	903.5	885.9	876.3	880.4	875.0
35°	876.3	857.4	851.9	854.6	849.2
37.5°	849.2	828.8	823.4	827.4	822.0
40°	819.3	800.3	794.8	797.6	792.1
42.5°	786.7	770.4	765.0	766.3	762.2
45°	751.3	733.7	733.7	735.0	729.6
47.5°	713.3	698.4	699.7	701.1	697.0
50°	669.8	659.0	665.8	667.1	660.3
52.5°	629.1	618.2	626.3	629.1	623.7
55°	581.5	573.4	587.0	587.0	584.2
57.5°	536.7	528.5	542.1	547.6	543.5
60°	490.5	482.4	495.9	505.4	501.3
62.5°	441.6	434.8	451.1	463.3	455.2
65°	392.6	387.2	403.5	409.0	213.3
67.5°	342.4	338.3	357.4	129.1	34.0
70°	290.8	286.7	297.6	32.6	32.6
72.5°	237.8	239.1	95.1	31.3	31.3
75°	188.9	190.2	27.2	29.9	29.9
77.5°	140.0	142.6	25.8	27.2	27.2
80°	95.1	69.3	23.1	23.1	23.1
82.5°	57.1	16.3	17.6	17.6	16.3
85°	24.5	12.2	12.2	10.9	10.9
87.5°	8.2	5.4	5.4	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)