

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: P289513

Luminaire Tested: **6RSRK-RM-50-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-RM-50-HE-L930
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

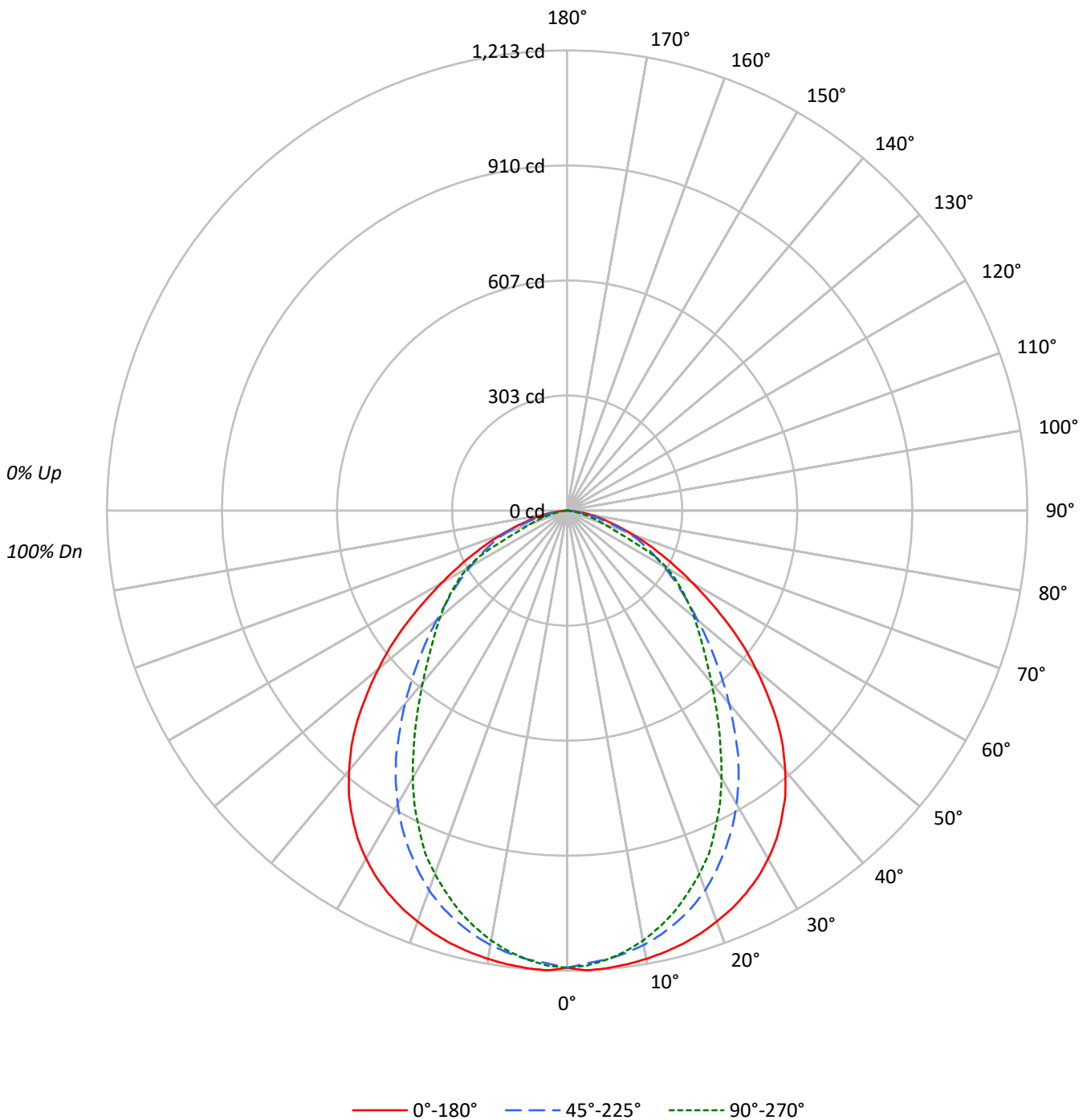
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2558.3 lumens
Efficiency: N/A
Efficacy: 178.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
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	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2162	2162	2162
5°	2180	2139	2141
10°	2186	2118	2097
15°	2195	2084	2032
20°	2201	2033	1946
25°	2205	1952	1830
30°	2196	1851	1686
35°	2161	1720	1526
40°	2094	1556	1385
45°	1984	1396	1281
50°	1813	1251	1221
55°	1610	1143	1162
60°	1373	1053	1096
65°	1159	986	782
70°	958	897	531
75°	776	660	416
80°	645	471	256
85°	445	198	173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	4.4
10°-20°	318.6	12.5
20°-30°	461.5	18.0
30°-40°	506.5	19.8
40°-50°	457.6	17.9
50°-60°	356.8	13.9
60°-70°	225.9	8.8
70°-80°	98.9	3.9
80°-90°	19.0	0.7
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°	893.5	34.9
0°-40°	1400.0	54.7
0°-60°	2214.5	86.6
0°-90°	2558.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2558.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1211	1203	1188	1194	1189	115
15°	1182	1160	1122	1108	1094	334
25°	1114	1065	986	949	924	513
35°	987	898	785	722	697	616
45°	782	658	550	517	505	600
55°	515	413	365	371	371	460
65°	273	227	232	222	184	274
75°	112	115	95	68	60	122
85°	22	20	10	9	8	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.1	1205.1	1205.1	1205.1	1205.1
2.5°	1213.1	1206.3	1194.3	1203.5	1200.3
5°	1210.7	1202.7	1187.9	1194.3	1188.7
7.5°	1206.3	1196.7	1177.1	1179.1	1172.3
10°	1199.9	1187.1	1162.7	1160.3	1151.1
12.5°	1191.9	1174.7	1144.7	1136.3	1124.3
15°	1181.9	1159.9	1121.9	1108.3	1093.9
17.5°	1169.1	1141.1	1095.9	1073.9	1057.5
20°	1152.7	1119.1	1065.1	1036.4	1019.2
22.5°	1135.5	1093.9	1026.8	996.8	977.6
25°	1113.9	1065.1	986.0	948.8	924.4
27.5°	1089.5	1032.0	942.0	896.0	871.6
30°	1059.9	993.2	893.6	838.4	814.0
32.5°	1027.2	949.2	840.8	782.1	753.7
35°	986.8	898.4	785.3	722.5	696.9
37.5°	945.2	843.6	722.9	664.5	642.5
40°	894.0	785.7	664.5	610.9	591.3
42.5°	841.6	721.3	606.1	561.8	545.8
45°	782.1	658.1	550.2	517.4	505.0
47.5°	715.3	595.3	498.6	478.2	469.4
50°	649.7	532.6	448.2	440.2	437.4
52.5°	584.5	471.0	404.6	405.4	403.8
55°	514.6	412.6	365.4	370.6	371.4
57.5°	445.0	357.0	328.7	338.3	339.1
60°	382.6	309.5	293.5	305.1	305.5
62.5°	325.1	265.1	261.5	272.7	259.5
65°	273.1	227.1	232.3	222.3	184.3
67.5°	226.7	195.5	203.9	155.5	130.7
70°	182.7	164.7	171.1	115.9	101.2
72.5°	144.3	139.1	129.5	90.4	78.8
75°	112.0	115.2	95.2	68.4	60.0
77.5°	85.6	93.6	69.2	49.2	41.2
80°	62.4	70.0	45.6	29.6	24.8
82.5°	41.2	44.0	24.0	15.2	13.2
85°	21.6	20.4	9.6	8.8	8.4
87.5°	9.2	5.2	4.8	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)