

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: P289552

Luminaire Tested: **8RSRK-RM-50-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289552
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: 8RSRK-RM-50-HE-L930
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

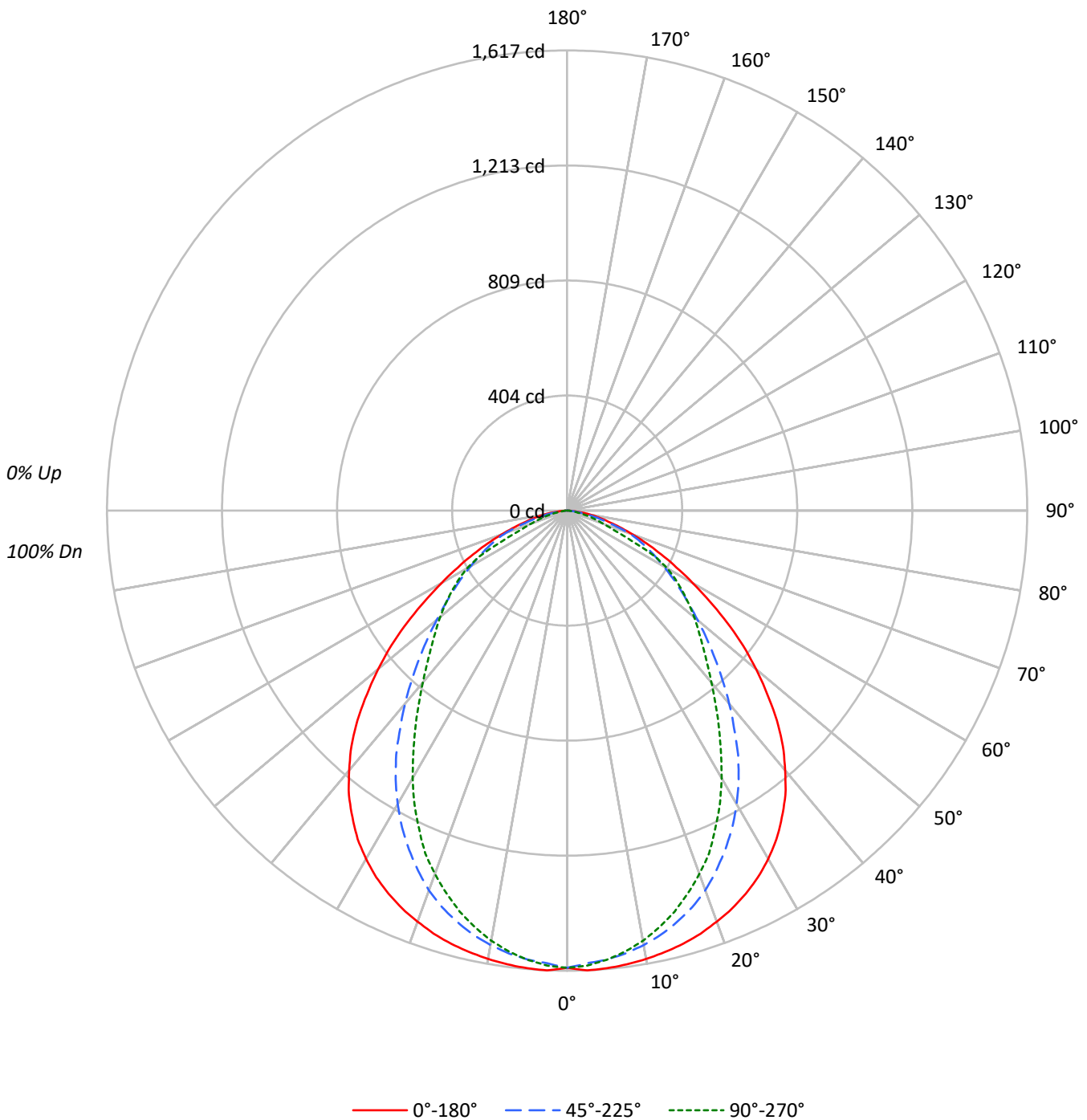
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3411.0 lumens
Efficiency: N/A
Efficacy: 238.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' 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	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					100			
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					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°	1609	1143	1162
60°	1373	1053	1096
65°	1159	986	783
70°	958	898	531
75°	776	660	416
80°	645	471	256
85°	445	198	173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	4.4
10°-20°	424.8	12.5
20°-30°	615.3	18.0
30°-40°	675.4	19.8
40°-50°	610.2	17.9
50°-60°	475.8	13.9
60°-70°	301.2	8.8
70°-80°	131.9	3.9
80°-90°	25.3	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°	1191.4	34.9
0°-40°	1866.7	54.7
0°-60°	2952.7	86.6
0°-90°	3411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1607	1607	1607	1607	1607	
5°	1614	1604	1584	1592	1585	154
15°	1576	1546	1496	1478	1459	445
25°	1485	1420	1315	1265	1232	684
35°	1316	1198	1047	963	929	822
45°	1043	878	734	690	673	800
55°	686	550	487	494	495	613
65°	364	303	310	296	246	365
75°	149	154	127	91	80	163
85°	29	27	13	12	11	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1606.8	1606.8	1606.8	1606.8	1606.8
2.5°	1617.4	1608.4	1592.4	1604.6	1600.4
5°	1614.2	1603.6	1583.8	1592.4	1584.9
7.5°	1608.4	1595.6	1569.5	1572.1	1563.1
10°	1599.8	1582.8	1550.3	1547.1	1534.8
12.5°	1589.2	1566.3	1526.3	1515.1	1499.1
15°	1575.8	1546.5	1495.9	1477.8	1458.6
17.5°	1558.8	1521.5	1461.2	1431.9	1410.1
20°	1536.9	1492.2	1420.2	1381.8	1358.9
22.5°	1514.0	1458.6	1369.0	1329.0	1303.4
25°	1485.2	1420.2	1314.6	1265.1	1232.5
27.5°	1452.7	1375.9	1256.0	1194.7	1162.2
30°	1413.3	1324.2	1191.5	1117.9	1085.4
32.5°	1369.5	1265.6	1121.1	1042.7	1004.9
35°	1315.7	1197.9	1047.0	963.3	929.2
37.5°	1260.3	1124.8	963.8	886.0	856.7
40°	1192.0	1047.5	886.0	814.6	788.5
42.5°	1122.2	961.7	808.2	749.0	727.7
45°	1042.7	877.5	733.5	689.8	673.3
47.5°	953.7	793.8	664.8	637.6	625.9
50°	866.3	710.1	597.6	586.9	583.2
52.5°	779.4	628.0	539.5	540.6	538.4
55°	686.1	550.2	487.3	494.2	495.3
57.5°	593.3	476.1	438.2	451.0	452.1
60°	510.2	412.6	391.3	406.8	407.3
62.5°	433.4	353.4	348.6	363.6	346.0
65°	364.1	302.8	309.7	296.4	245.8
67.5°	302.3	260.7	271.9	207.4	174.3
70°	243.6	219.6	228.2	154.6	134.9
72.5°	192.4	185.5	172.7	120.5	105.0
75°	149.3	153.5	126.9	91.2	80.0
77.5°	114.1	124.7	92.2	65.6	54.9
80°	83.2	93.3	60.8	39.4	33.1
82.5°	54.9	58.6	32.0	20.3	17.6
85°	28.8	27.2	12.8	11.7	11.2
87.5°	12.3	6.9	6.4	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)