

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: P289516

Luminaire Tested: **6RSRK-RM-50-HE-L950**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289516  
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-L950  
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

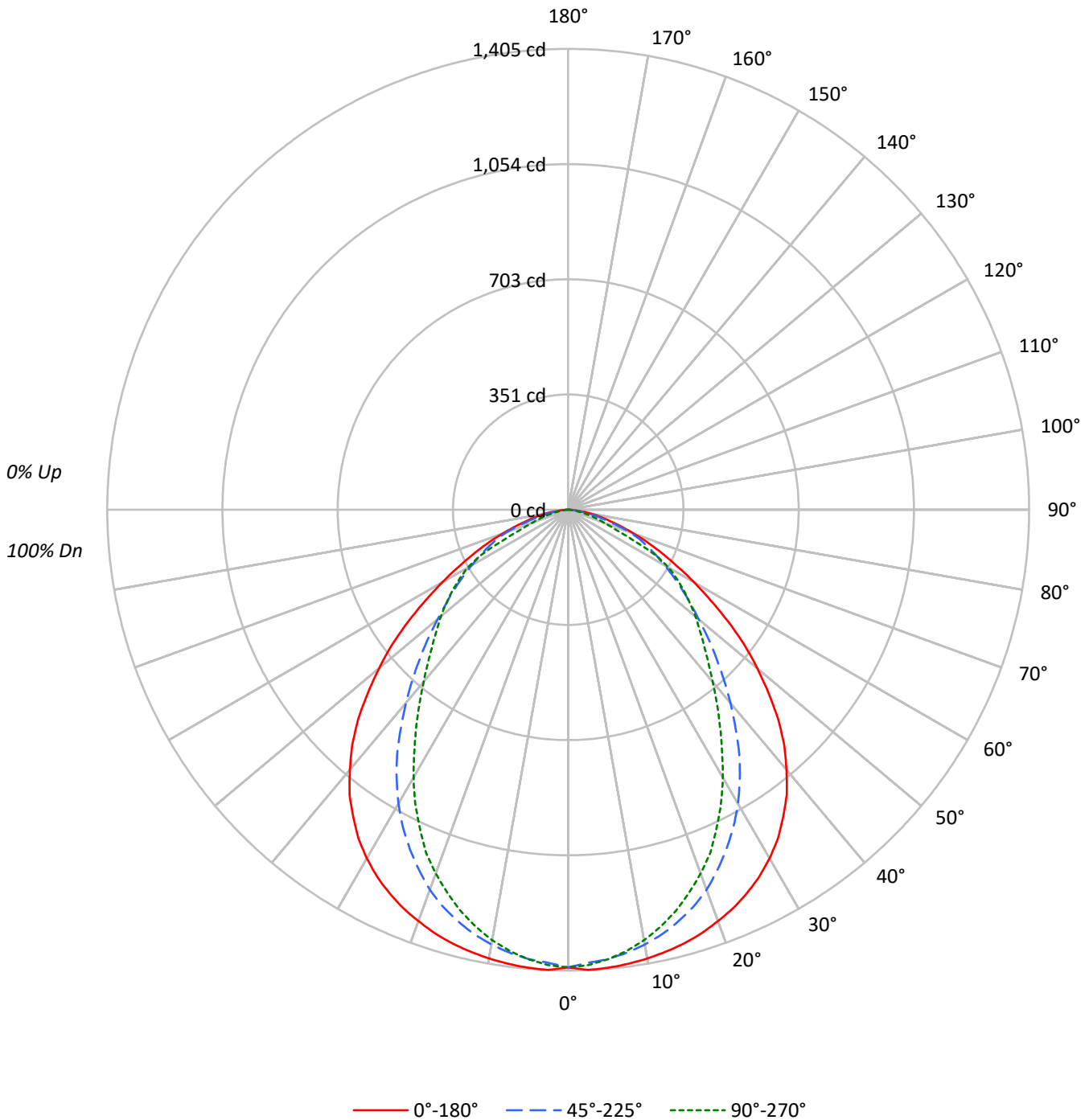
Lumens per Lamp: N/A  
Luminaire Lumens: 2962.2 lumens  
Efficiency: N/A  
Efficacy: 207.1 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

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	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°	2503	2503	2503
5°	2524	2477	2478
10°	2531	2452	2428
15°	2542	2413	2352
20°	2548	2355	2253
25°	2553	2260	2119
30°	2542	2143	1953
35°	2502	1991	1767
40°	2424	1802	1603
45°	2297	1616	1483
50°	2100	1449	1414
55°	1863	1323	1345
60°	1589	1219	1269
65°	1342	1142	906
70°	1110	1039	614
75°	898	764	481
80°	746	545	297
85°	515	228	200



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	4.4
10°-20°	368.9	12.5
20°-30°	534.3	18.0
30°-40°	586.5	19.8
40°-50°	529.9	17.9
50°-60°	413.2	13.9
60°-70°	261.6	8.8
70°-80°	114.5	3.9
80°-90°	22.0	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°	1034.6	34.9
0°-40°	1621.1	54.7
0°-60°	2564.1	86.6
0°-90°	2962.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2962.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1402	1392	1375	1383	1376	133
15°	1368	1343	1299	1283	1267	386
25°	1290	1233	1142	1099	1070	594
35°	1143	1040	909	836	807	713
45°	906	762	637	599	585	694
55°	596	478	423	429	430	532
65°	316	263	269	257	213	317
75°	130	133	110	79	69	142
85°	25	24	11	10	10	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1395.3	1395.3	1395.3	1395.3	1395.3
2.5°	1404.6	1396.7	1382.8	1393.5	1389.8
5°	1401.8	1392.5	1375.4	1382.8	1376.3
7.5°	1396.7	1385.6	1362.9	1365.2	1357.4
10°	1389.3	1374.5	1346.2	1343.5	1332.8
12.5°	1380.0	1360.1	1325.4	1315.7	1301.8
15°	1368.5	1343.0	1299.0	1283.3	1266.6
17.5°	1353.7	1321.3	1268.9	1243.5	1224.5
20°	1334.7	1295.8	1233.3	1200.0	1180.1
22.5°	1314.8	1266.6	1188.8	1154.1	1131.9
25°	1289.8	1233.3	1141.6	1098.6	1070.3
27.5°	1261.5	1194.9	1090.7	1037.5	1009.2
30°	1227.3	1150.0	1034.7	970.8	942.6
32.5°	1189.3	1099.0	973.6	905.5	872.7
35°	1142.6	1040.2	909.2	836.5	806.9
37.5°	1094.4	976.8	837.0	769.4	744.0
40°	1035.1	909.7	769.4	707.4	684.7
42.5°	974.5	835.2	701.8	650.4	631.9
45°	905.5	762.0	637.0	599.1	584.7
47.5°	828.2	689.3	577.3	553.7	543.5
50°	752.3	616.6	519.0	509.7	506.5
52.5°	676.8	545.4	468.5	469.4	467.6
55°	595.8	477.8	423.1	429.2	430.1
57.5°	515.3	413.4	380.5	391.7	392.6
60°	443.0	358.3	339.8	353.2	353.7
62.5°	376.4	306.9	302.8	315.7	300.5
65°	316.2	263.0	269.0	257.4	213.4
67.5°	262.5	226.4	236.1	180.1	151.4
70°	211.6	190.7	198.1	134.3	117.1
72.5°	167.1	161.1	150.0	104.6	91.2
75°	129.6	133.3	110.2	79.2	69.4
77.5°	99.1	108.3	80.1	56.9	47.7
80°	72.2	81.0	52.8	34.3	28.7
82.5°	47.7	50.9	27.8	17.6	15.3
85°	25.0	23.6	11.1	10.2	9.7
87.5°	10.6	6.0	5.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)