

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: P289524

Luminaire Tested: **6RSRK-RM-65-HE-L950**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289524  
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-65-HE-L950  
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

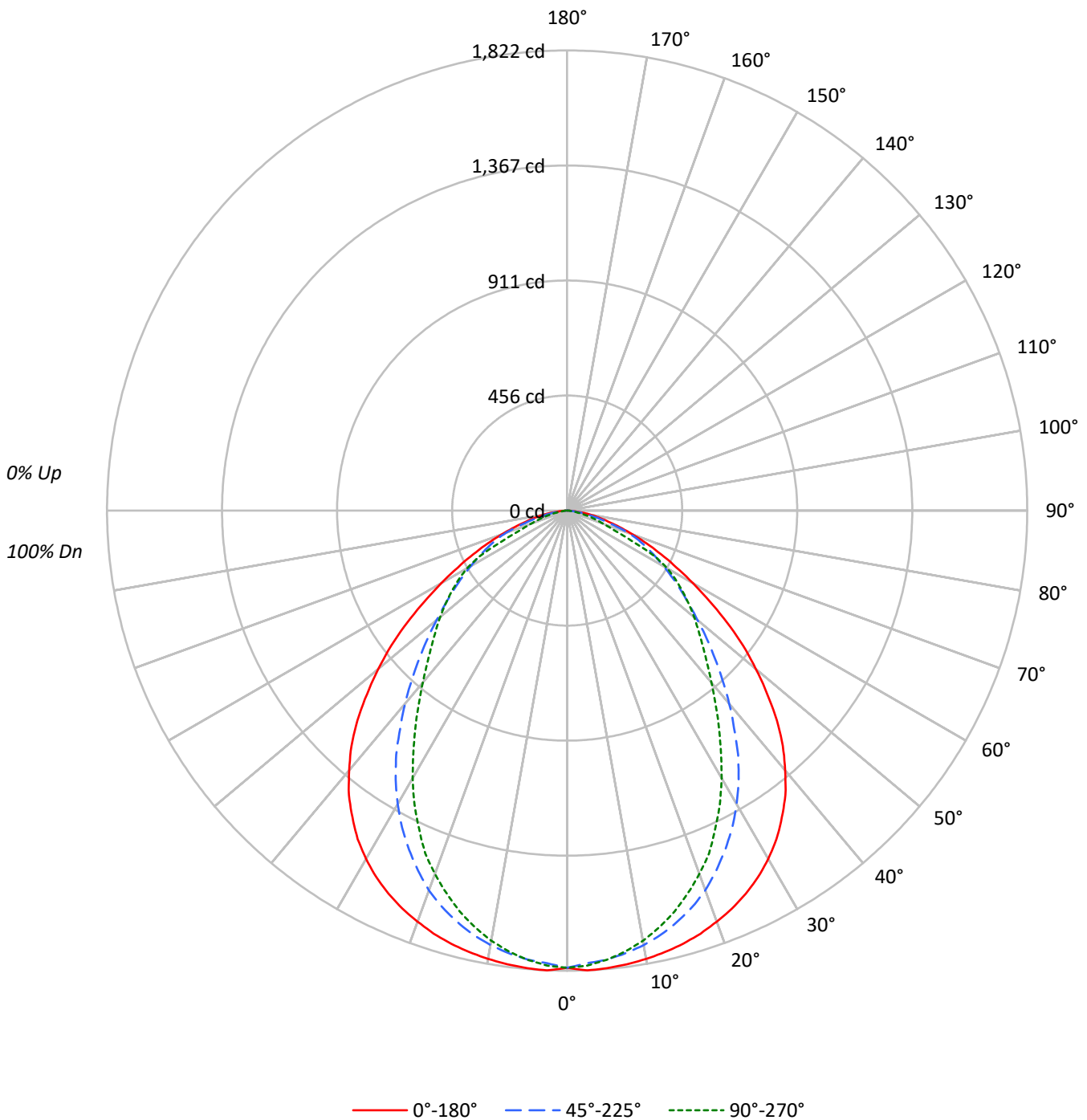
Lumens per Lamp: N/A  
Luminaire Lumens: 3843.3 lumens  
Efficiency: N/A  
Efficacy: 203.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.9  
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				
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°	3248	3248	3248
5°	3275	3214	3216
10°	3284	3182	3150
15°	3298	3130	3052
20°	3306	3055	2923
25°	3313	2932	2749
30°	3299	2781	2533
35°	3247	2584	2293
40°	3145	2338	2081
45°	2981	2097	1925
50°	2724	1879	1834
55°	2418	1717	1745
60°	2062	1582	1647
65°	1742	1481	1175
70°	1440	1349	797
75°	1166	991	625
80°	968	708	384
85°	667	296	259



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.3	4.4
10°-20°	478.7	12.5
20°-30°	693.3	18.0
30°-40°	761.0	19.8
40°-50°	687.5	17.9
50°-60°	536.1	13.9
60°-70°	339.4	8.8
70°-80°	148.6	3.9
80°-90°	28.5	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°	1342.3	34.9
0°-40°	2103.3	54.7
0°-60°	3326.9	86.6
0°-90°	3843.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3843.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1819	1807	1785	1794	1786	173
15°	1776	1742	1686	1665	1643	501
25°	1674	1600	1481	1425	1389	771
35°	1482	1350	1180	1085	1047	926
45°	1175	989	826	777	759	901
55°	773	620	549	557	558	691
65°	410	341	349	334	277	411
75°	168	173	143	103	90	184
85°	32	31	14	13	13	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1810.4	1810.4	1810.4	1810.4	1810.4
2.5°	1822.4	1812.2	1794.2	1808.0	1803.2
5°	1818.8	1806.8	1784.6	1794.2	1785.8
7.5°	1812.2	1797.8	1768.4	1771.4	1761.1
10°	1802.6	1783.4	1746.7	1743.1	1729.3
12.5°	1790.6	1764.8	1719.7	1707.1	1689.1
15°	1775.6	1742.5	1685.5	1665.0	1643.4
17.5°	1756.3	1714.3	1646.4	1613.4	1588.8
20°	1731.7	1681.3	1600.2	1556.9	1531.1
22.5°	1705.9	1643.4	1542.5	1497.5	1468.6
25°	1673.5	1600.2	1481.2	1425.4	1388.7
27.5°	1636.8	1550.3	1415.2	1346.1	1309.4
30°	1592.4	1492.1	1342.5	1259.6	1223.0
32.5°	1543.1	1426.0	1263.2	1174.9	1132.3
35°	1482.4	1349.7	1179.7	1085.4	1047.0
37.5°	1420.0	1267.4	1086.0	998.3	965.3
40°	1343.1	1180.3	998.3	917.8	888.4
42.5°	1264.4	1083.6	910.6	843.9	819.9
45°	1174.9	988.7	826.5	777.3	758.6
47.5°	1074.6	894.4	749.0	718.4	705.2
50°	976.1	800.1	673.3	661.3	657.1
52.5°	878.2	707.6	607.9	609.1	606.7
55°	773.1	619.9	549.0	556.8	558.0
57.5°	668.5	536.4	493.7	508.2	509.4
60°	574.8	464.9	440.9	458.3	458.9
62.5°	488.3	398.2	392.8	409.7	389.8
65°	410.3	341.2	349.0	334.0	276.9
67.5°	340.6	293.7	306.3	233.7	196.4
70°	274.5	247.5	257.1	174.2	152.0
72.5°	216.8	209.0	194.6	135.8	118.3
75°	168.2	173.0	143.0	102.7	90.1
77.5°	128.5	140.6	103.9	73.9	61.9
80°	93.7	105.1	68.5	44.4	37.2
82.5°	61.9	66.1	36.0	22.8	19.8
85°	32.4	30.6	14.4	13.2	12.6
87.5°	13.8	7.8	7.2	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)