

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: **8RSRK-TS-65-HE-L950**

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 (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-65-HE-L950  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

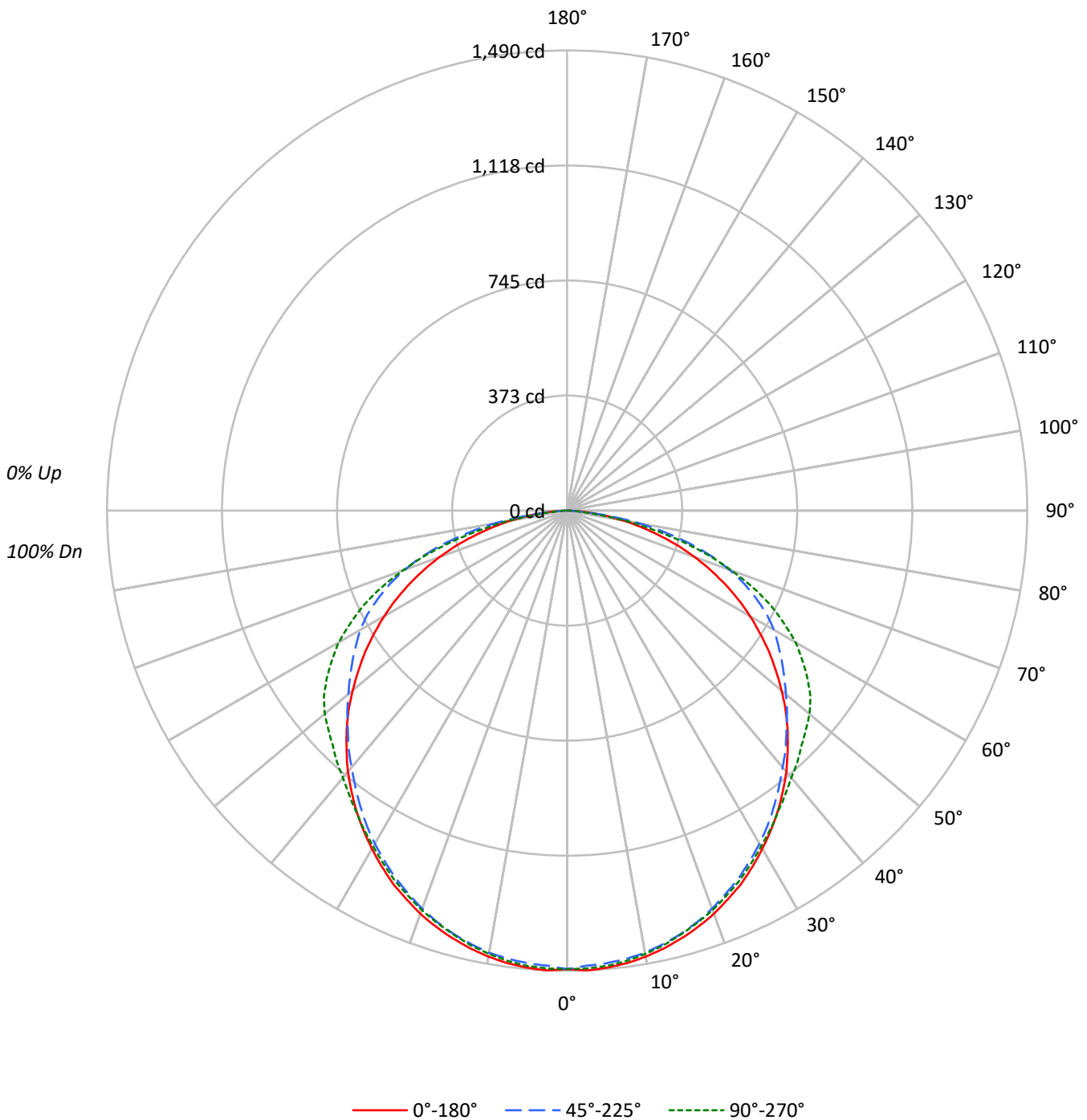
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4571.1 lumens  
Efficiency: N/A  
Efficacy: 241.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 8' 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

TEST NUMBER: P#  
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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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1998	1998	1998
5°	2006	1987	1999
10°	2003	1986	1991
15°	1997	1977	1980
20°	1989	1964	1971
25°	1980	1950	1962
30°	1965	1935	1951
35°	1953	1919	1956
40°	1940	1907	1983
45°	1921	1911	2043
50°	1897	1936	2144
55°	1873	1991	2230
60°	1840	2082	2299
65°	1795	2152	2318
70°	1727	2199	2227
75°	1590	2127	1990
80°	1409	1830	1526
85°	1014	928	605



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.6	3.1
10°-20°	402.4	8.8
20°-30°	609.3	13.3
30°-40°	739.0	16.2
40°-50°	790.5	17.3
50°-60°	766.2	16.8
60°-70°	641.7	14.0
70°-80°	394.3	8.6
80°-90°	87.1	1.9
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°	1152.3	25.2
0°-40°	1891.2	41.4
0°-60°	3448.0	75.4
0°-90°	4571.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4571.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1486	1482	1471	1481	1480	141
15°	1434	1430	1419	1426	1422	405
25°	1333	1325	1313	1322	1321	614
35°	1189	1174	1168	1188	1191	744
45°	1010	988	1004	1056	1074	779
55°	798	777	849	933	951	713
65°	564	561	676	722	728	557
75°	306	357	409	392	383	326
85°	66	88	60	42	39	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1484.7	1484.7	1484.7	1484.7	1484.7
2.5°	1490.3	1486.3	1475.1	1484.7	1483.9
5°	1485.5	1482.3	1471.1	1480.7	1479.9
7.5°	1478.3	1475.1	1463.9	1473.5	1471.1
10°	1466.3	1463.9	1453.5	1460.7	1457.5
12.5°	1451.9	1449.5	1437.5	1445.5	1441.5
15°	1433.5	1430.3	1419.1	1425.5	1421.5
17.5°	1412.7	1408.7	1397.4	1403.9	1399.8
20°	1389.4	1383.8	1371.8	1380.6	1376.6
22.5°	1361.4	1357.4	1343.0	1352.6	1348.6
25°	1333.4	1325.4	1313.4	1322.2	1321.4
27.5°	1299.7	1291.7	1279.7	1290.1	1288.5
30°	1264.5	1255.7	1245.3	1255.7	1255.7
32.5°	1227.7	1216.5	1208.4	1220.5	1224.5
35°	1189.2	1174.0	1168.4	1188.4	1190.8
37.5°	1146.8	1131.6	1126.8	1153.2	1159.6
40°	1104.3	1085.1	1085.9	1119.6	1129.2
42.5°	1057.1	1037.9	1046.7	1085.9	1103.5
45°	1009.8	988.2	1004.2	1055.5	1073.9
47.5°	960.2	939.4	965.8	1025.9	1049.1
50°	906.5	885.7	925.0	997.8	1024.3
52.5°	852.1	830.5	885.7	969.0	993.0
55°	798.4	776.8	848.9	933.0	950.6
57.5°	740.8	722.3	810.4	885.7	903.3
60°	683.9	667.9	773.6	837.7	854.5
62.5°	625.4	613.4	728.8	782.4	792.0
65°	563.8	560.6	675.9	721.5	728.0
67.5°	502.1	510.1	621.4	651.1	651.9
70°	438.9	460.5	559.0	571.8	566.2
72.5°	374.8	412.4	490.1	483.7	478.9
75°	305.9	357.2	409.2	391.6	382.8
77.5°	243.5	301.1	322.7	297.9	284.3
80°	181.8	237.8	236.2	204.2	197.0
82.5°	122.5	165.8	141.7	115.3	100.9
85°	65.7	88.1	60.1	41.6	39.2
87.5°	24.8	20.8	16.0	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)