

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: P289492

Luminaire Tested: **4RSRK-RM-100-HE-L950**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289492  
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: 4RSRK-RM-100-HE-L950  
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

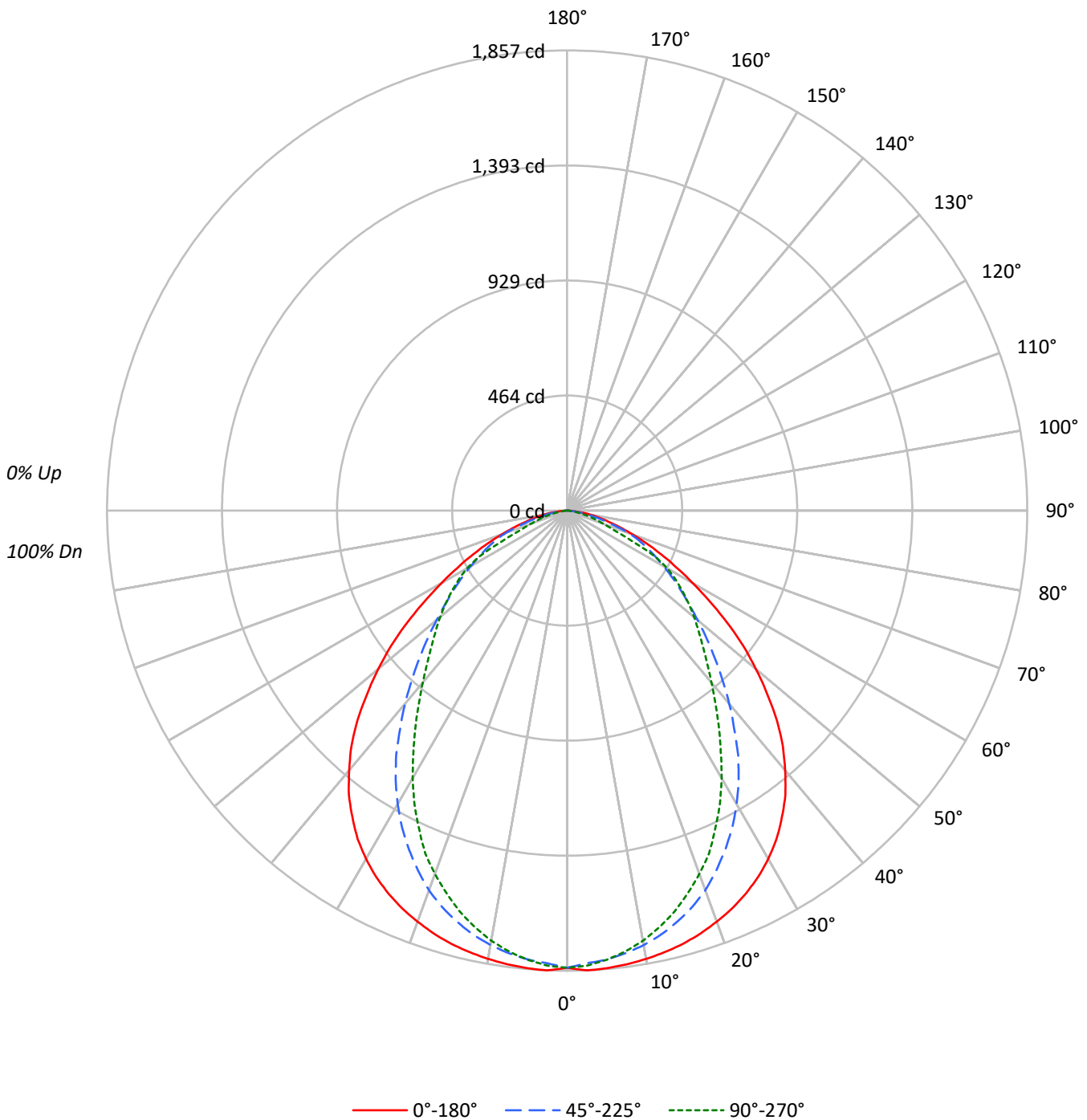
Lumens per Lamp: N/A  
Luminaire Lumens: 3917.0 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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°	4965	4965	4965
5°	5007	4913	4916
10°	5020	4864	4816
15°	5041	4786	4666
20°	5054	4670	4468
25°	5064	4482	4203
30°	5043	4251	3873
35°	4963	3950	3505
40°	4808	3574	3181
45°	4557	3206	2943
50°	4165	2873	2804
55°	3696	2625	2668
60°	3153	2418	2517
65°	2662	2265	1797
70°	2201	2061	1219
75°	1782	1515	954
80°	1480	1082	589
85°	1022	454	398



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.6	4.4
10°-20°	487.9	12.5
20°-30°	706.6	18.0
30°-40°	775.5	19.8
40°-50°	700.7	17.9
50°-60°	546.4	13.9
60°-70°	345.9	8.8
70°-80°	151.4	3.9
80°-90°	29.0	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°	1368.1	34.9
0°-40°	2143.6	54.7
0°-60°	3390.7	86.6
0°-90°	3917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3917.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1854	1841	1819	1829	1820	176
15°	1810	1776	1718	1697	1675	511
25°	1706	1631	1510	1453	1415	786
35°	1511	1376	1202	1106	1067	943
45°	1197	1008	842	792	773	918
55°	788	632	560	568	569	704
65°	418	348	356	340	282	419
75°	171	176	146	105	92	187
85°	33	31	15	14	13	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1845.1	1845.1	1845.1	1845.1	1845.1
2.5°	1857.3	1846.9	1828.6	1842.7	1837.8
5°	1853.7	1841.4	1818.8	1828.6	1820.0
7.5°	1846.9	1832.2	1802.3	1805.3	1794.9
10°	1837.1	1817.6	1780.2	1776.5	1762.5
12.5°	1824.9	1798.6	1752.7	1739.8	1721.4
15°	1809.6	1775.9	1717.8	1697.0	1674.9
17.5°	1790.0	1747.2	1678.0	1644.3	1619.2
20°	1764.9	1713.5	1630.8	1586.8	1560.4
22.5°	1738.6	1674.9	1572.1	1526.2	1496.8
25°	1705.5	1630.8	1509.6	1452.7	1415.4
27.5°	1668.2	1580.0	1442.3	1371.9	1334.5
30°	1622.9	1520.7	1368.2	1283.7	1246.4
32.5°	1572.7	1453.3	1287.4	1197.4	1154.0
35°	1510.9	1375.6	1202.3	1106.2	1067.0
37.5°	1447.2	1291.7	1106.8	1017.4	983.8
40°	1368.8	1202.9	1017.4	935.4	905.4
42.5°	1288.6	1104.4	928.1	860.1	835.6
45°	1197.4	1007.6	842.4	792.2	773.2
47.5°	1095.2	911.5	763.4	732.2	718.7
50°	994.8	815.4	686.3	674.0	669.7
52.5°	895.0	721.1	619.5	620.7	618.3
55°	787.9	631.8	559.5	567.5	568.7
57.5°	681.4	546.7	503.2	517.9	519.1
60°	585.9	473.8	449.3	467.1	467.7
62.5°	497.7	405.9	400.4	417.5	397.3
65°	418.1	347.7	355.7	340.4	282.2
67.5°	347.1	299.4	312.2	238.1	200.2
70°	279.8	252.2	262.0	177.5	154.9
72.5°	221.0	213.0	198.3	138.4	120.6
75°	171.4	176.3	145.7	104.7	91.8
77.5°	131.0	143.2	105.9	75.3	63.1
80°	95.5	107.1	69.8	45.3	38.0
82.5°	63.1	67.3	36.7	23.3	20.2
85°	33.1	31.2	14.7	13.5	12.9
87.5°	14.1	8.0	7.3	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)