

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: P289553

Luminaire Tested: **8RSRK-RM-50-HE-L935**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289553  
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-L935  
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

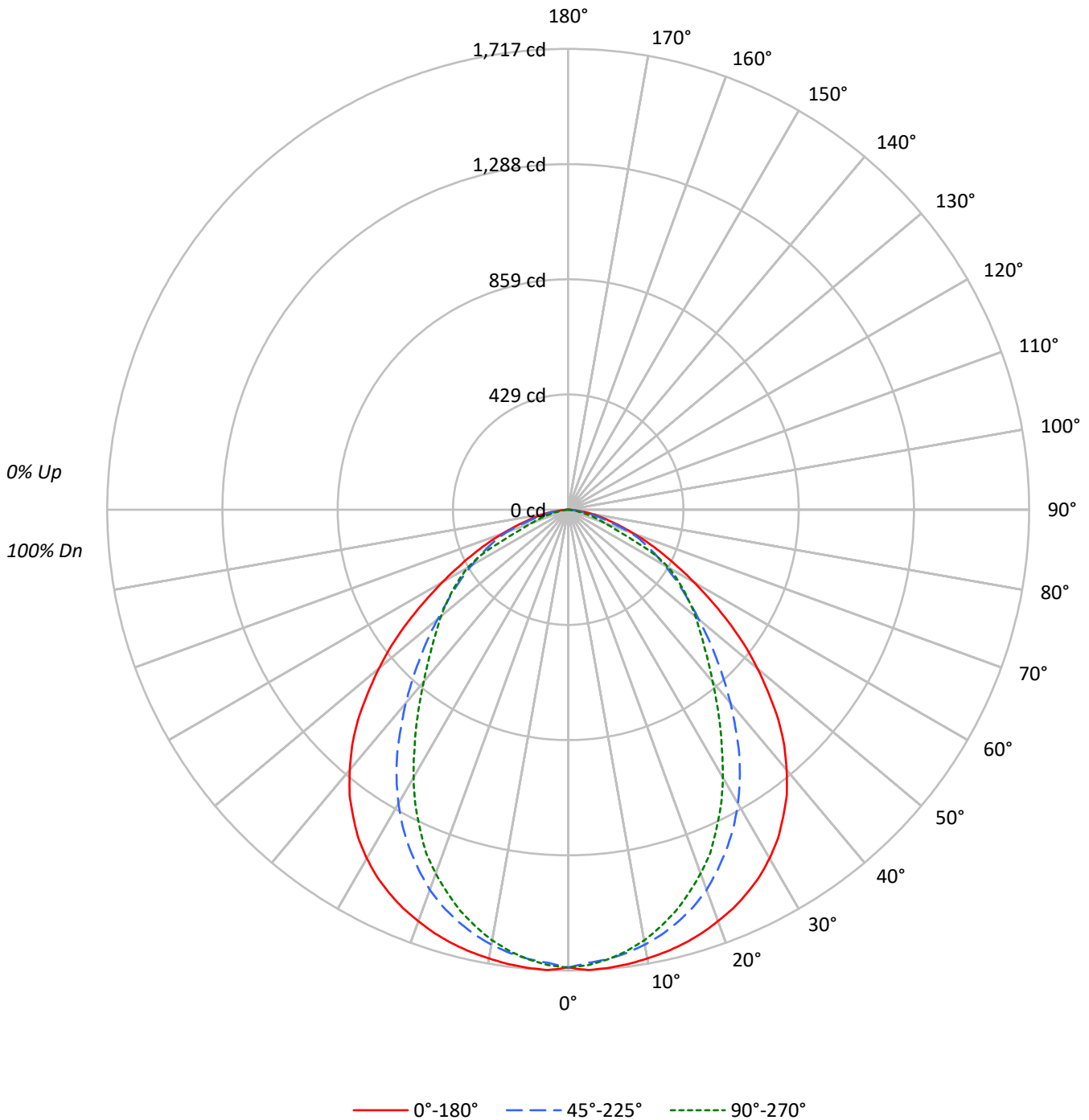
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3620.8 lumens  
Efficiency: N/A  
Efficacy: 253.2 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				
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°	2295	2295	2295
5°	2314	2271	2272
10°	2320	2248	2226
15°	2330	2212	2157
20°	2336	2158	2065
25°	2340	2072	1942
30°	2331	1965	1790
35°	2294	1826	1620
40°	2222	1652	1470
45°	2106	1482	1360
50°	1925	1328	1296
55°	1708	1213	1233
60°	1457	1118	1163
65°	1230	1047	831
70°	1017	953	563
75°	823	700	441
80°	684	500	272
85°	472	210	184



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.5	4.4
10°-20°	451.0	12.5
20°-30°	653.1	18.0
30°-40°	716.9	19.8
40°-50°	647.7	17.9
50°-60°	505.0	13.9
60°-70°	319.7	8.8
70°-80°	140.0	3.9
80°-90°	26.9	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°	1264.6	34.9
0°-40°	1981.5	54.7
0°-60°	3134.2	86.6
0°-90°	3620.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3620.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1714	1702	1681	1690	1682	163
15°	1673	1642	1588	1569	1548	472
25°	1576	1508	1396	1343	1308	726
35°	1397	1272	1111	1022	986	872
45°	1107	931	779	732	715	849
55°	728	584	517	525	526	651
65°	386	321	329	315	261	387
75°	158	163	135	97	85	173
85°	31	29	14	12	12	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1705.6	1705.6	1705.6	1705.6	1705.6
2.5°	1716.9	1707.2	1690.3	1703.3	1698.8
5°	1713.5	1702.2	1681.2	1690.3	1682.4
7.5°	1707.2	1693.7	1665.9	1668.8	1659.1
10°	1698.2	1680.1	1645.6	1642.2	1629.2
12.5°	1686.9	1662.5	1620.1	1608.2	1591.2
15°	1672.7	1641.6	1587.8	1568.6	1548.2
17.5°	1654.6	1615.0	1551.1	1519.9	1496.7
20°	1631.4	1583.9	1507.5	1466.8	1442.4
22.5°	1607.1	1548.2	1453.2	1410.7	1383.6
25°	1576.5	1507.5	1395.5	1342.8	1308.3
27.5°	1542.0	1460.5	1333.2	1268.1	1233.6
30°	1500.1	1405.6	1264.7	1186.6	1152.1
32.5°	1453.7	1343.4	1190.0	1106.9	1066.7
35°	1396.6	1271.5	1111.4	1022.5	986.3
37.5°	1337.7	1194.0	1023.1	940.5	909.4
40°	1265.3	1111.9	940.5	864.7	836.9
42.5°	1191.2	1020.8	857.9	795.1	772.4
45°	1106.9	931.4	778.6	732.2	714.7
47.5°	1012.4	842.6	705.6	676.8	664.3
50°	919.5	753.7	634.3	623.0	619.1
52.5°	827.3	666.6	572.7	573.8	571.5
55°	728.3	584.0	517.2	524.6	525.7
57.5°	629.8	505.3	465.2	478.7	479.9
60°	541.5	438.0	415.4	431.8	432.3
62.5°	460.1	375.2	370.1	385.9	367.3
65°	386.5	321.4	328.8	314.6	260.9
67.5°	320.9	276.7	288.6	220.1	185.0
70°	258.6	233.1	242.2	164.1	143.2
72.5°	204.3	196.9	183.3	127.9	111.5
75°	158.4	163.0	134.7	96.8	84.9
77.5°	121.1	132.4	97.9	69.6	58.3
80°	88.3	99.0	64.5	41.9	35.1
82.5°	58.3	62.2	34.0	21.5	18.7
85°	30.6	28.9	13.6	12.4	11.9
87.5°	13.0	7.4	6.8	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)