

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: P289490

Luminaire Tested: **4RSRK-RM-100-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289490
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-L935
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

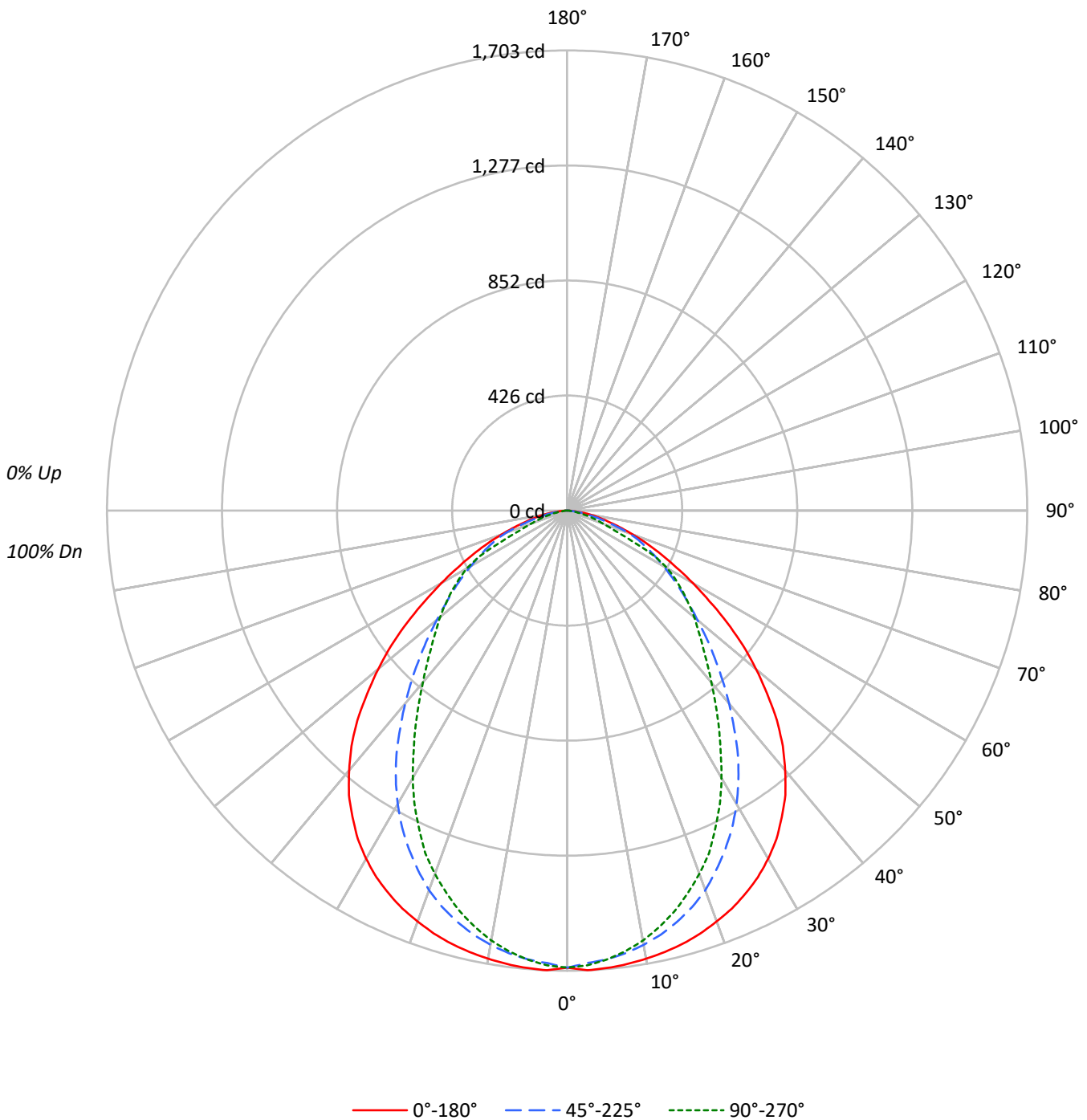
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3590.9 lumens
Efficiency: N/A
Efficacy: 124.7 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	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°	4552	4552	4552
5°	4591	4504	4507
10°	4602	4459	4415
15°	4622	4387	4278
20°	4633	4281	4096
25°	4642	4109	3852
30°	4623	3897	3550
35°	4550	3621	3213
40°	4408	3276	2916
45°	4177	2939	2697
50°	3818	2634	2570
55°	3389	2407	2446
60°	2891	2217	2308
65°	2441	2076	1647
70°	2018	1890	1117
75°	1633	1389	875
80°	1356	992	539
85°	936	417	364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	4.4
10°-20°	447.3	12.5
20°-30°	647.8	18.0
30°-40°	711.0	19.8
40°-50°	642.4	17.9
50°-60°	500.9	13.9
60°-70°	317.1	8.8
70°-80°	138.8	3.9
80°-90°	26.6	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°	1254.2	34.9
0°-40°	1965.2	54.7
0°-60°	3108.4	86.6
0°-90°	3590.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3590.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1699	1688	1667	1676	1668	162
15°	1659	1628	1575	1556	1536	468
25°	1564	1495	1384	1332	1298	720
35°	1385	1261	1102	1014	978	865
45°	1098	924	772	726	709	842
55°	722	579	513	520	521	645
65°	383	319	326	312	259	384
75°	157	162	134	96	84	172
85°	30	29	14	12	12	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.5	1691.5	1691.5	1691.5	1691.5
2.5°	1702.7	1693.2	1676.4	1689.3	1684.8
5°	1699.4	1688.1	1667.4	1676.4	1668.5
7.5°	1693.2	1679.7	1652.2	1655.0	1645.5
10°	1684.2	1666.2	1632.0	1628.6	1615.7
12.5°	1673.0	1648.9	1606.8	1595.0	1578.1
15°	1659.0	1628.1	1574.8	1555.7	1535.5
17.5°	1641.0	1601.7	1538.3	1507.4	1484.4
20°	1618.0	1570.8	1495.1	1454.7	1430.5
22.5°	1593.9	1535.5	1441.2	1399.1	1372.2
25°	1563.5	1495.1	1384.0	1331.8	1297.5
27.5°	1529.3	1448.5	1322.2	1257.7	1223.4
30°	1487.8	1394.1	1254.3	1176.9	1142.6
32.5°	1441.8	1332.3	1180.2	1097.7	1057.9
35°	1385.1	1261.1	1102.2	1014.1	978.2
37.5°	1326.7	1184.2	1014.7	932.7	901.9
40°	1254.9	1102.8	932.7	857.5	830.0
42.5°	1181.4	1012.4	850.8	788.5	766.1
45°	1097.7	923.8	772.2	726.2	708.8
47.5°	1004.0	835.6	699.8	671.2	658.9
50°	912.0	747.5	629.1	617.9	614.0
52.5°	820.5	661.1	568.0	569.1	566.8
55°	722.3	579.2	513.0	520.2	521.4
57.5°	624.6	501.2	461.3	474.8	475.9
60°	537.1	434.4	411.9	428.2	428.8
62.5°	456.3	372.1	367.0	382.7	364.2
65°	383.3	318.8	326.1	312.0	258.7
67.5°	318.2	274.4	286.2	218.3	183.5
70°	256.5	231.2	240.2	162.8	142.0
72.5°	202.6	195.3	181.8	126.8	110.6
75°	157.1	161.6	133.6	96.0	84.2
77.5°	120.1	131.3	97.1	69.0	57.8
80°	87.5	98.2	64.0	41.5	34.8
82.5°	57.8	61.7	33.7	21.3	18.5
85°	30.3	28.6	13.5	12.3	11.8
87.5°	12.9	7.3	6.7	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)