

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: P289515

Luminaire Tested: **6RSRK-RM-50-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289515
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-50-HE-L940
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

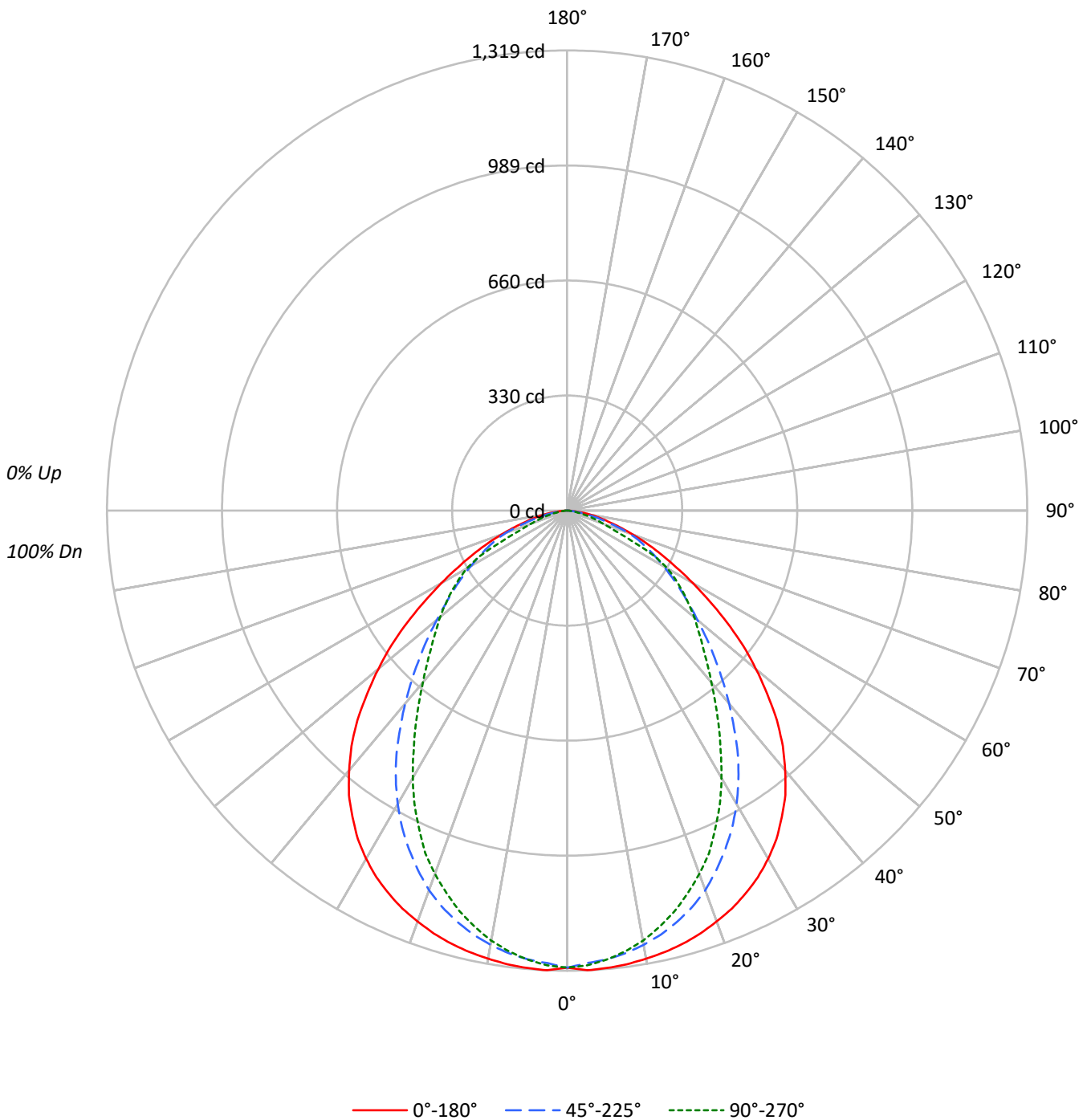
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2781.3 lumens
Efficiency: N/A
Efficacy: 194.5 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): 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°	2350	2350	2350
5°	2370	2326	2327
10°	2376	2303	2280
15°	2386	2265	2209
20°	2393	2211	2115
25°	2397	2122	1989
30°	2387	2012	1833
35°	2349	1870	1659
40°	2276	1692	1506
45°	2157	1517	1393
50°	1972	1360	1327
55°	1750	1243	1263
60°	1493	1145	1192
65°	1260	1072	851
70°	1042	976	577
75°	844	717	452
80°	700	512	279
85°	484	214	187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	4.4
10°-20°	346.4	12.5
20°-30°	501.7	18.0
30°-40°	550.7	19.8
40°-50°	497.5	17.9
50°-60°	388.0	13.9
60°-70°	245.6	8.8
70°-80°	107.5	3.9
80°-90°	20.6	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°	971.4	34.9
0°-40°	1522.1	54.7
0°-60°	2407.6	86.6
0°-90°	2781.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2781.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1316	1308	1292	1298	1292	125
15°	1285	1261	1220	1205	1189	363
25°	1211	1158	1072	1032	1005	558
35°	1073	977	854	786	758	670
45°	850	716	598	562	549	652
55°	559	449	397	403	404	500
65°	297	247	253	242	200	297
75°	122	125	104	74	65	133
85°	24	22	10	10	9	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1310.1	1310.1	1310.1	1310.1	1310.1
2.5°	1318.8	1311.5	1298.4	1308.4	1304.9
5°	1316.2	1307.5	1291.5	1298.4	1292.3
7.5°	1311.5	1301.0	1279.7	1281.9	1274.5
10°	1304.5	1290.6	1264.1	1261.5	1251.5
12.5°	1295.8	1277.1	1244.5	1235.4	1222.3
15°	1284.9	1261.0	1219.7	1205.0	1189.3
17.5°	1271.0	1240.6	1191.5	1167.6	1149.7
20°	1253.2	1216.7	1158.0	1126.7	1108.0
22.5°	1234.5	1189.3	1116.3	1083.7	1062.8
25°	1211.0	1158.0	1071.9	1031.5	1005.0
27.5°	1184.5	1121.9	1024.1	974.1	947.6
30°	1152.4	1079.8	971.5	911.5	885.0
32.5°	1116.7	1031.9	914.1	850.2	819.4
35°	1072.8	976.7	853.7	785.5	757.7
37.5°	1027.6	917.2	785.9	722.4	698.5
40°	972.0	854.2	722.4	664.2	642.9
42.5°	915.0	784.2	659.0	610.7	593.3
45°	850.2	715.5	598.1	562.5	549.0
47.5°	777.7	647.2	542.1	519.9	510.3
50°	706.4	579.0	487.3	478.6	475.5
52.5°	635.5	512.1	439.9	440.8	439.0
55°	559.4	448.6	397.3	403.0	403.8
57.5°	483.8	388.2	357.3	367.7	368.6
60°	416.0	336.4	319.1	331.7	332.1
62.5°	353.4	288.2	284.3	296.5	282.1
65°	296.9	246.9	252.6	241.7	200.4
67.5°	246.5	212.6	221.7	169.1	142.1
70°	198.7	179.1	186.0	126.1	110.0
72.5°	156.9	151.3	140.8	98.2	85.6
75°	121.7	125.2	103.5	74.3	65.2
77.5°	93.0	101.7	75.2	53.5	44.8
80°	67.8	76.1	49.6	32.2	27.0
82.5°	44.8	47.8	26.1	16.5	14.3
85°	23.5	22.2	10.4	9.6	9.1
87.5°	10.0	5.7	5.2	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)