

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: P289514

Luminaire Tested: **6RSRK-RM-50-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289514
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-L935
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

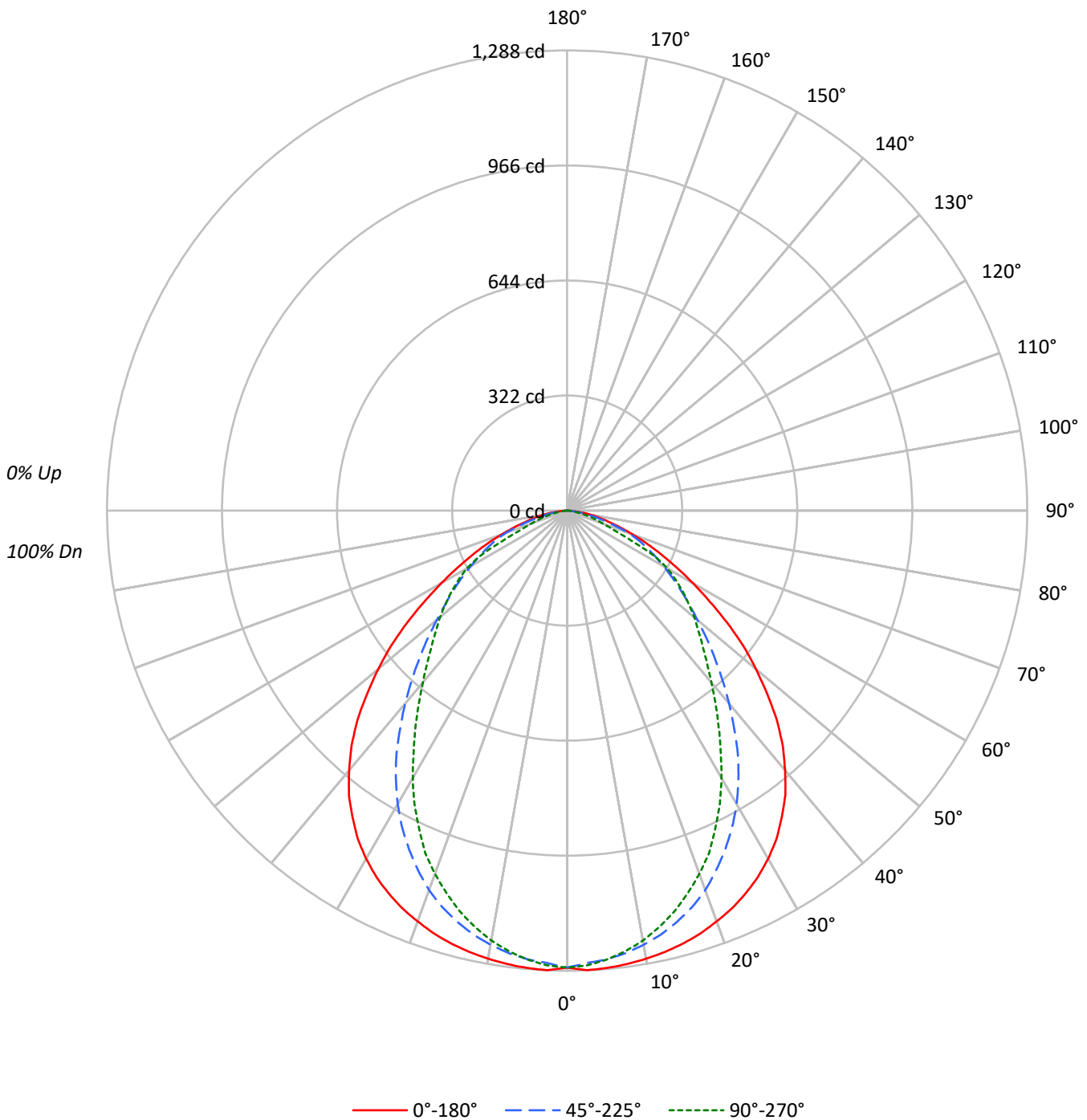
Lumens per Lamp: N/A
Luminaire Lumens: 2715.6 lumens
Efficiency: N/A
Efficacy: 189.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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°	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	1825	1620
40°	2222	1652	1470
45°	2106	1482	1360
50°	1925	1328	1296
55°	1708	1213	1233
60°	1457	1118	1163
65°	1231	1047	831
70°	1018	953	563
75°	823	700	442
80°	684	500	272
85°	471	210	183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	4.4
10°-20°	338.2	12.5
20°-30°	489.9	18.0
30°-40°	537.7	19.8
40°-50°	485.8	17.9
50°-60°	378.8	13.9
60°-70°	239.8	8.8
70°-80°	105.0	3.9
80°-90°	20.1	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°	948.4	34.9
0°-40°	1486.1	54.7
0°-60°	2350.7	86.6
0°-90°	2715.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2715.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1279	1279	1279	1279	1279	
5°	1285	1277	1261	1268	1262	122
15°	1254	1231	1191	1176	1161	354
25°	1182	1131	1047	1007	981	545
35°	1047	954	834	767	740	654
45°	830	699	584	549	536	637
55°	546	438	388	393	394	488
65°	290	241	247	236	196	290
75°	119	122	101	73	64	130
85°	23	22	10	9	9	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1279.2	1279.2	1279.2	1279.2	1279.2
2.5°	1287.7	1280.4	1267.7	1277.5	1274.1
5°	1285.1	1276.6	1260.9	1267.7	1261.8
7.5°	1280.4	1270.3	1249.5	1251.6	1244.4
10°	1273.6	1260.1	1234.2	1231.6	1221.9
12.5°	1265.2	1246.9	1215.1	1206.2	1193.4
15°	1254.5	1231.2	1190.9	1176.5	1161.2
17.5°	1241.0	1211.3	1163.3	1140.0	1122.6
20°	1223.6	1187.9	1130.6	1100.1	1081.8
22.5°	1205.3	1161.2	1089.9	1058.0	1037.7
25°	1182.4	1130.6	1046.6	1007.1	981.2
27.5°	1156.5	1095.4	999.9	951.1	925.2
30°	1125.1	1054.2	948.6	890.0	864.1
32.5°	1090.3	1007.5	892.5	830.1	800.0
35°	1047.4	953.6	833.5	766.9	739.7
37.5°	1003.3	895.5	767.3	705.4	682.0
40°	949.0	834.0	705.4	648.5	627.7
42.5°	893.4	765.6	643.4	596.3	579.3
45°	830.1	698.6	584.0	549.2	536.0
47.5°	759.3	631.9	529.2	507.6	498.3
50°	689.7	565.3	475.8	467.3	464.3
52.5°	620.5	500.0	429.5	430.3	428.7
55°	546.2	438.0	387.9	393.4	394.3
57.5°	472.4	379.0	348.9	359.0	359.9
60°	406.2	328.5	311.5	323.8	324.2
62.5°	345.0	281.4	277.6	289.4	275.4
65°	289.9	241.1	246.6	236.0	195.7
67.5°	240.6	207.5	216.4	165.1	138.8
70°	194.0	174.9	181.6	123.1	107.4
72.5°	153.2	147.7	137.5	95.9	83.6
75°	118.8	122.2	101.0	72.6	63.7
77.5°	90.8	99.3	73.4	52.2	43.7
80°	66.2	74.3	48.4	31.4	26.3
82.5°	43.7	46.7	25.5	16.1	14.0
85°	22.9	21.6	10.2	9.3	8.9
87.5°	9.8	5.5	5.1	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)