

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: P289518

Luminaire Tested: **6RSRK-RM-50-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289518
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-L835
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

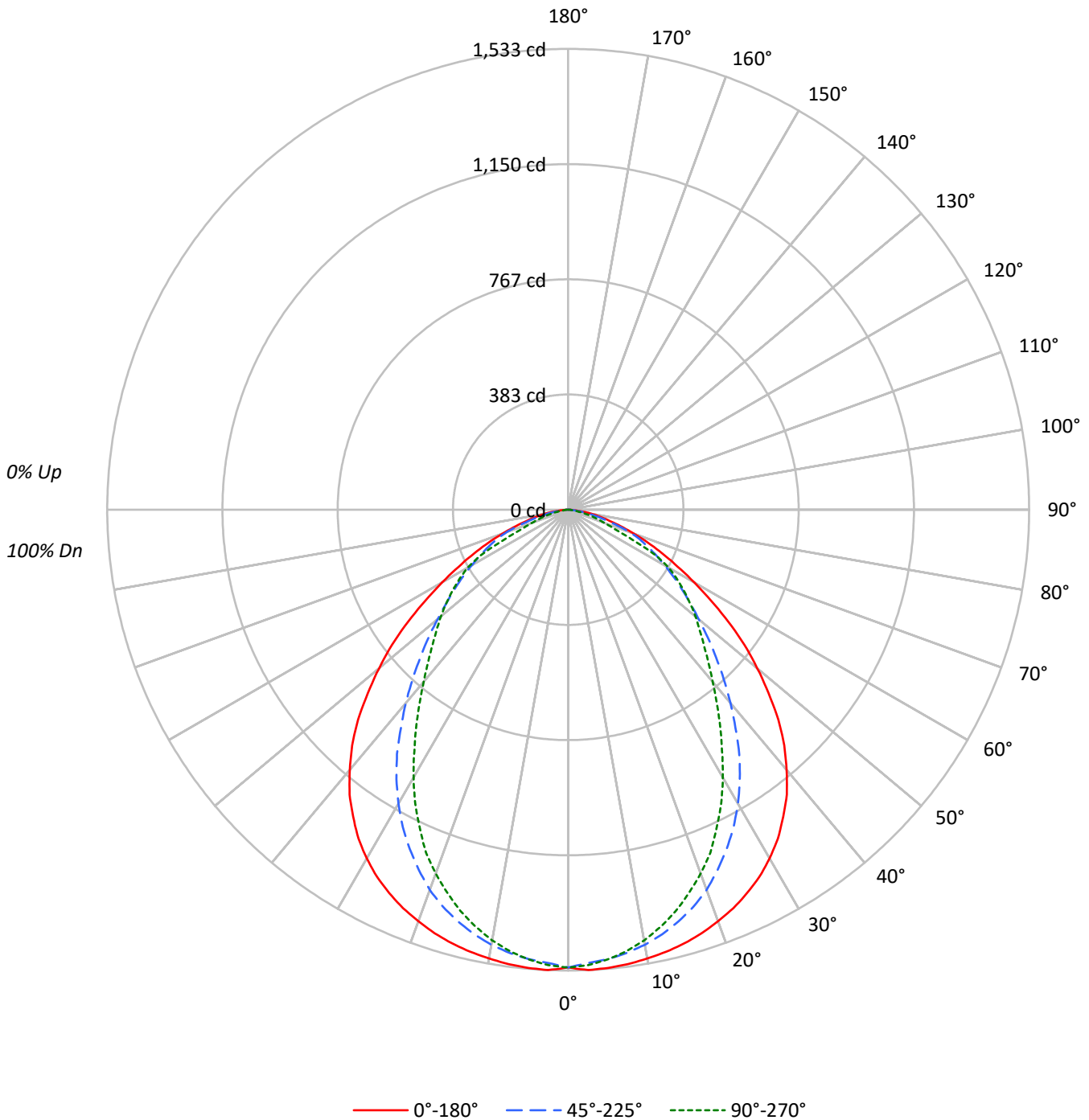
Lumens per Lamp: N/A
Luminaire Lumens: 3232.8 lumens
Efficiency: N/A
Efficacy: 226.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P289518

CATALOG NUMBER: 6RSRK-RM-50-HE-L835

Luminous Intensity Polar Plot





TEST NUMBER: P289518

CATALOG NUMBER: 6RSRK-RM-50-HE-L835

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°	2732	2732	2732
5°	2755	2703	2705
10°	2762	2677	2650
15°	2774	2633	2567
20°	2781	2570	2459
25°	2786	2466	2312
30°	2775	2339	2131
35°	2731	2173	1929
40°	2646	1966	1750
45°	2507	1764	1619
50°	2291	1581	1543
55°	2034	1444	1468
60°	1735	1331	1385
65°	1465	1246	989
70°	1211	1134	670
75°	981	833	525
80°	814	595	323
85°	562	249	218



TEST NUMBER: P289518

CATALOG NUMBER: 6RSRK-RM-50-HE-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	4.4
10°-20°	402.6	12.5
20°-30°	583.2	18.0
30°-40°	640.1	19.8
40°-50°	578.3	17.9
50°-60°	450.9	13.9
60°-70°	285.5	8.8
70°-80°	125.0	3.9
80°-90°	24.0	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°	1129.1	34.9
0°-40°	1769.2	54.7
0°-60°	2798.4	86.6
0°-90°	3232.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3232.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1523	1523	1523	1523	1523	
5°	1530	1520	1501	1509	1502	146
15°	1494	1466	1418	1400	1382	422
25°	1408	1346	1246	1199	1168	648
35°	1247	1135	992	913	881	779
45°	988	832	695	654	638	758
55°	650	521	462	468	469	581
65°	345	287	294	281	233	346
75°	142	146	120	86	76	155
85°	27	26	12	11	11	35
90°	0	0	0	0	0	



TEST NUMBER: P289518

CATALOG NUMBER: 6RSRK-RM-50-HE-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1522.8	1522.8	1522.8	1522.8	1522.8
2.5°	1532.9	1524.3	1509.2	1520.8	1516.8
5°	1529.9	1519.8	1501.1	1509.2	1502.1
7.5°	1524.3	1512.2	1487.4	1490.0	1481.4
10°	1516.2	1500.1	1469.3	1466.2	1454.6
12.5°	1506.1	1484.4	1446.5	1435.9	1420.8
15°	1493.5	1465.7	1417.7	1400.5	1382.4
17.5°	1477.3	1442.0	1384.9	1357.1	1336.4
20°	1456.6	1414.2	1346.0	1309.6	1287.9
22.5°	1434.9	1382.4	1297.5	1259.6	1235.3
25°	1407.6	1346.0	1245.9	1199.0	1168.1
27.5°	1376.8	1304.0	1190.4	1132.3	1101.4
30°	1339.4	1255.0	1129.2	1059.5	1028.7
32.5°	1298.0	1199.5	1062.5	988.3	952.4
35°	1246.9	1135.3	992.3	913.0	880.6
37.5°	1194.4	1066.1	913.5	839.7	811.9
40°	1129.7	992.8	839.7	772.0	747.3
42.5°	1063.5	911.5	766.0	709.9	689.7
45°	988.3	831.6	695.2	653.8	638.1
47.5°	903.9	752.3	630.0	604.3	593.2
50°	821.0	673.0	566.4	556.3	552.7
52.5°	738.7	595.2	511.3	512.3	510.3
55°	650.3	521.4	461.8	468.4	469.4
57.5°	562.3	451.2	415.3	427.4	428.4
60°	483.5	391.1	370.9	385.5	386.0
62.5°	410.8	335.0	330.4	344.6	327.9
65°	345.1	287.0	293.5	280.9	232.9
67.5°	286.5	247.1	257.7	196.5	165.2
70°	230.9	208.2	216.2	146.5	127.8
72.5°	182.4	175.8	163.7	114.2	99.5
75°	141.5	145.5	120.2	86.4	75.8
77.5°	108.1	118.2	87.4	62.1	52.0
80°	78.8	88.4	57.6	37.4	31.3
82.5°	52.0	55.6	30.3	19.2	16.7
85°	27.3	25.8	12.1	11.1	10.6
87.5°	11.6	6.6	6.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)