

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: P289526

Luminaire Tested: **6RSRK-RM-65-HE-L835**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289526  
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-65-HE-L835  
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

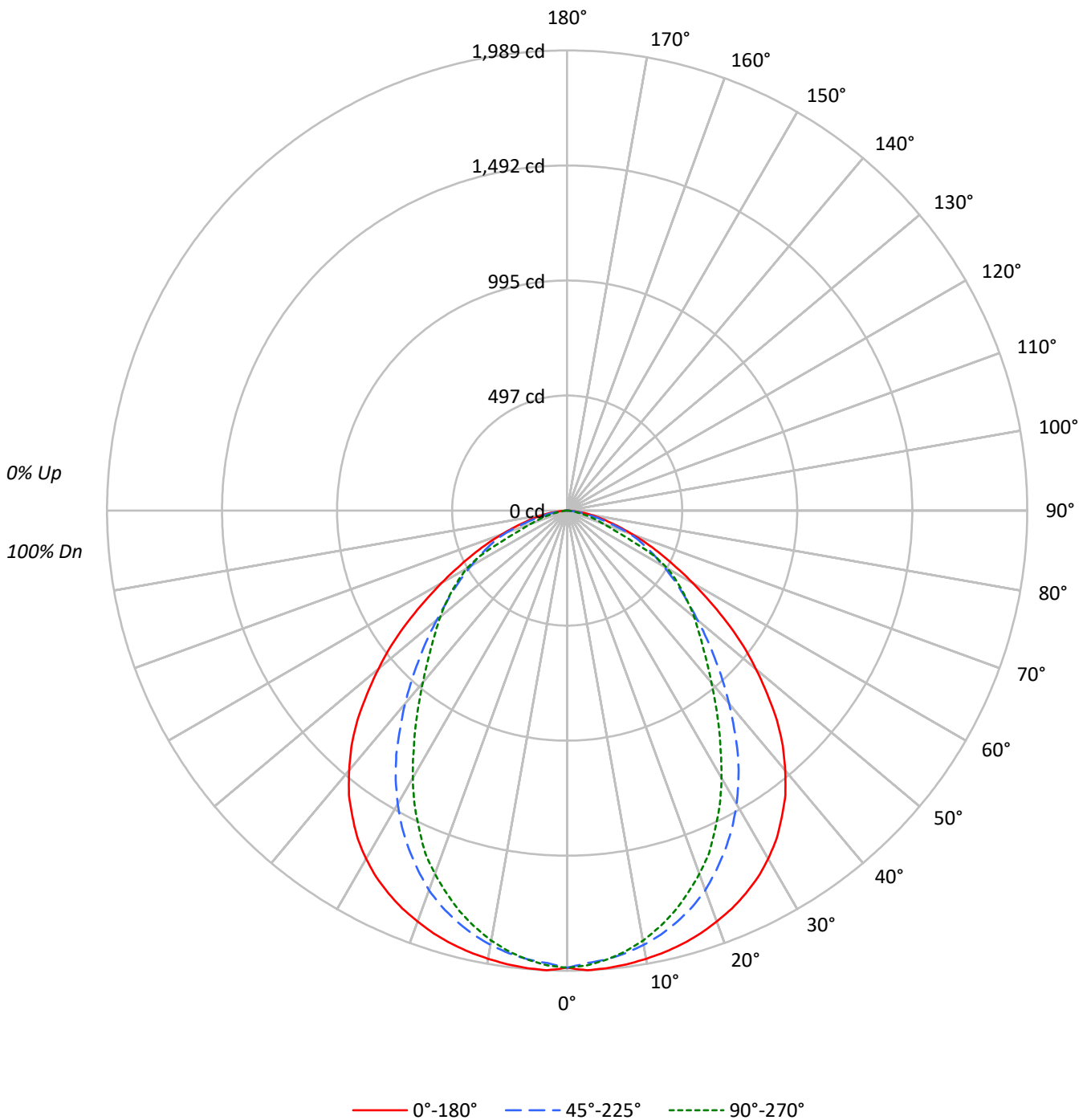
Lumens per Lamp: N/A  
Luminaire Lumens: 4194.5 lumens  
Efficiency: N/A  
Efficacy: 221.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.9  
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: P289526

CATALOG NUMBER: 6RSRK-RM-65-HE-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P289526

CATALOG NUMBER: 6RSRK-RM-65-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°	3545	3545	3545
5°	3575	3507	3510
10°	3584	3473	3438
15°	3599	3416	3331
20°	3608	3334	3190
25°	3615	3200	3000
30°	3600	3035	2765
35°	3543	2820	2502
40°	3433	2551	2271
45°	3253	2288	2101
50°	2973	2051	2002
55°	2639	1874	1905
60°	2251	1727	1797
65°	1900	1617	1283
70°	1571	1472	870
75°	1273	1081	681
80°	1057	772	419
85°	729	323	284



TEST NUMBER: P289526

CATALOG NUMBER: 6RSRK-RM-65-HE-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.9	4.4
10°-20°	522.4	12.5
20°-30°	756.7	18.0
30°-40°	830.5	19.8
40°-50°	750.3	17.9
50°-60°	585.1	13.9
60°-70°	370.4	8.8
70°-80°	162.2	3.9
80°-90°	31.1	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°	1465.0	34.9
0°-40°	2295.5	54.7
0°-60°	3630.9	86.6
0°-90°	4194.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4194.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1976	1976	1976	1976	1976	
5°	1985	1972	1948	1958	1949	189
15°	1938	1902	1840	1817	1794	547
25°	1826	1746	1617	1556	1516	841
35°	1618	1473	1288	1185	1143	1010
45°	1282	1079	902	848	828	983
55°	844	676	599	608	609	754
65°	448	372	381	364	302	449
75°	184	189	156	112	98	201
85°	35	33	16	14	14	46
90°	0	0	0	0	0	



TEST NUMBER: P289526

CATALOG NUMBER: 6RSRK-RM-65-HE-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1975.8	1975.8	1975.8	1975.8	1975.8
2.5°	1988.9	1977.8	1958.1	1973.2	1968.0
5°	1985.0	1971.9	1947.6	1958.1	1948.9
7.5°	1977.8	1962.1	1929.9	1933.2	1922.1
10°	1967.3	1946.3	1906.3	1902.4	1887.3
12.5°	1954.2	1926.0	1876.8	1863.1	1843.4
15°	1937.8	1901.7	1839.5	1817.2	1793.6
17.5°	1916.8	1870.9	1796.9	1760.8	1733.9
20°	1889.9	1834.9	1746.4	1699.2	1671.0
22.5°	1861.8	1793.6	1683.4	1634.3	1602.8
25°	1826.4	1746.4	1616.6	1555.6	1515.6
27.5°	1786.4	1692.0	1544.5	1469.1	1429.1
30°	1737.9	1628.4	1465.1	1374.7	1334.7
32.5°	1684.1	1556.3	1378.6	1282.3	1235.7
35°	1617.9	1473.0	1287.5	1184.6	1142.6
37.5°	1549.7	1383.2	1185.2	1089.5	1053.5
40°	1465.8	1288.2	1089.5	1001.7	969.6
42.5°	1379.9	1182.6	993.8	921.0	894.8
45°	1282.3	1079.0	902.0	848.3	828.0
47.5°	1172.8	976.1	817.5	784.0	769.6
50°	1065.3	873.2	734.9	721.8	717.2
52.5°	958.4	772.2	663.4	664.7	662.1
55°	843.7	676.5	599.2	607.7	609.0
57.5°	729.6	585.4	538.9	554.6	555.9
60°	627.4	507.4	481.2	500.2	500.8
62.5°	533.0	434.6	428.7	447.1	425.5
65°	447.7	372.4	380.9	364.5	302.2
67.5°	371.7	320.6	334.3	255.0	214.4
70°	299.6	270.1	280.6	190.1	165.9
72.5°	236.7	228.1	212.4	148.2	129.1
75°	183.6	188.8	156.0	112.1	98.3
77.5°	140.3	153.4	113.4	80.6	67.5
80°	102.3	114.7	74.7	48.5	40.6
82.5°	67.5	72.1	39.3	24.9	21.6
85°	35.4	33.4	15.7	14.4	13.8
87.5°	15.1	8.5	7.9	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)