

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: P289528

Luminaire Tested: **6RSRK-RM-65-HE-L850**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289528  
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-L850  
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 5000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

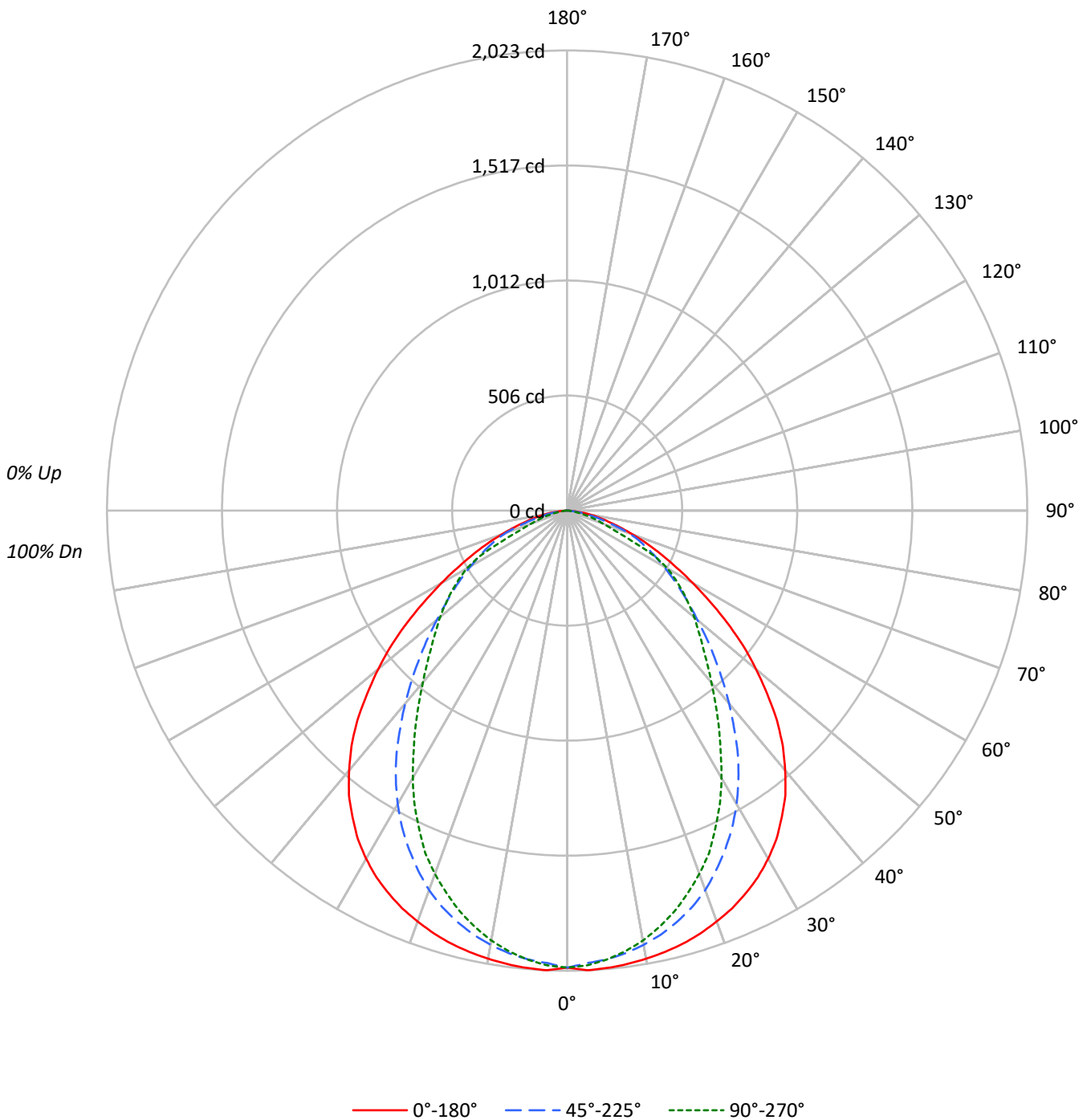
Lumens per Lamp: N/A  
Luminaire Lumens: 4265.7 lumens  
Efficiency: N/A  
Efficacy: 225.7 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

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: P289528

CATALOG NUMBER: 6RSRK-RM-65-HE-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P289528

CATALOG NUMBER: 6RSRK-RM-65-HE-L850

**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°	3605	3605	3605
5°	3635	3567	3569
10°	3645	3532	3496
15°	3660	3474	3388
20°	3669	3391	3244
25°	3676	3254	3051
30°	3661	3087	2812
35°	3603	2867	2545
40°	3491	2595	2309
45°	3308	2327	2136
50°	3023	2086	2035
55°	2684	1906	1937
60°	2289	1756	1827
65°	1933	1644	1304
70°	1598	1496	885
75°	1294	1100	693
80°	1074	785	427
85°	741	329	288



TEST NUMBER: P289528

CATALOG NUMBER: 6RSRK-RM-65-HE-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.1	4.4
10°-20°	531.3	12.5
20°-30°	769.5	18.0
30°-40°	844.6	19.8
40°-50°	763.1	17.9
50°-60°	595.0	13.9
60°-70°	376.7	8.8
70°-80°	164.9	3.9
80°-90°	31.6	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°	1489.8	34.9
0°-40°	2334.4	54.7
0°-60°	3692.5	86.6
0°-90°	4265.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4265.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2009	2009	2009	2009	2009	
5°	2019	2005	1981	1991	1982	192
15°	1971	1934	1871	1848	1824	557
25°	1857	1776	1644	1582	1541	856
35°	1645	1498	1309	1205	1162	1027
45°	1304	1097	917	863	842	1000
55°	858	688	609	618	619	767
65°	455	379	387	371	307	456
75°	187	192	159	114	100	204
85°	36	34	16	15	14	47
90°	0	0	0	0	0	



TEST NUMBER: P289528

CATALOG NUMBER: 6RSRK-RM-65-HE-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2009.3	2009.3	2009.3	2009.3	2009.3
2.5°	2022.7	2011.3	1991.3	2006.7	2001.3
5°	2018.7	2005.3	1980.7	1991.3	1982.0
7.5°	2011.3	1995.3	1962.7	1966.0	1954.7
10°	2000.7	1979.3	1938.7	1934.7	1919.3
12.5°	1987.3	1958.7	1908.7	1894.7	1874.7
15°	1970.7	1934.0	1870.7	1848.0	1824.0
17.5°	1949.3	1902.7	1827.3	1790.7	1763.3
20°	1922.0	1866.0	1776.0	1728.0	1699.3
22.5°	1893.3	1824.0	1712.0	1662.0	1630.0
25°	1857.3	1776.0	1644.0	1582.0	1541.3
27.5°	1816.7	1720.7	1570.7	1494.0	1453.3
30°	1767.3	1656.0	1490.0	1398.0	1357.3
32.5°	1712.7	1582.7	1402.0	1304.0	1256.7
35°	1645.3	1498.0	1309.3	1204.7	1162.0
37.5°	1576.0	1406.7	1205.3	1108.0	1071.3
40°	1490.7	1310.0	1108.0	1018.7	986.0
42.5°	1403.3	1202.7	1010.7	936.7	910.0
45°	1304.0	1097.3	917.3	862.7	842.0
47.5°	1192.7	992.7	831.3	797.3	782.7
50°	1083.3	888.0	747.3	734.0	729.3
52.5°	974.7	785.3	674.7	676.0	673.3
55°	858.0	688.0	609.3	618.0	619.3
57.5°	742.0	595.3	548.0	564.0	565.3
60°	638.0	516.0	489.3	508.7	509.3
62.5°	542.0	442.0	436.0	454.7	432.7
65°	455.3	378.7	387.3	370.7	307.3
67.5°	378.0	326.0	340.0	259.3	218.0
70°	304.7	274.7	285.3	193.3	168.7
72.5°	240.7	232.0	216.0	150.7	131.3
75°	186.7	192.0	158.7	114.0	100.0
77.5°	142.7	156.0	115.3	82.0	68.7
80°	104.0	116.7	76.0	49.3	41.3
82.5°	68.7	73.3	40.0	25.3	22.0
85°	36.0	34.0	16.0	14.7	14.0
87.5°	15.3	8.7	8.0	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)