

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: P289522

Luminaire Tested: **6RSRK-RM-65-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289522
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-L935
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

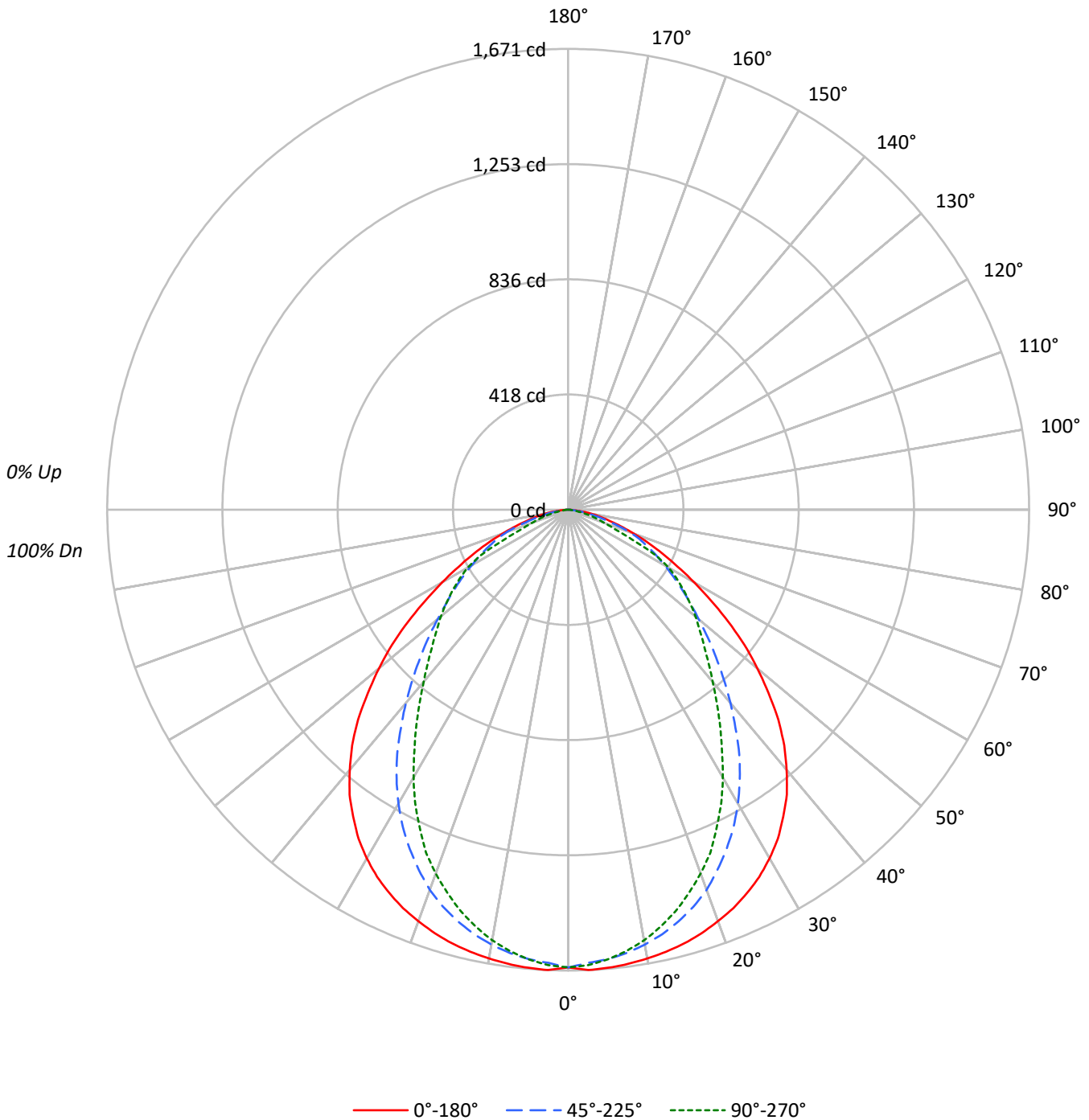
Lumens per Lamp: N/A
Luminaire Lumens: 3523.4 lumens
Efficiency: N/A
Efficacy: 186.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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

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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°	2977	2977	2977
5°	3003	2946	2948
10°	3010	2917	2888
15°	3023	2870	2798
20°	3031	2801	2680
25°	3037	2688	2520
30°	3024	2549	2322
35°	2976	2369	2102
40°	2884	2143	1907
45°	2733	1922	1765
50°	2497	1723	1681
55°	2217	1574	1600
60°	1891	1450	1509
65°	1597	1358	1078
70°	1320	1236	731
75°	1069	909	573
80°	887	649	352
85°	611	272	239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	4.4
10°-20°	438.8	12.5
20°-30°	635.6	18.0
30°-40°	697.6	19.8
40°-50°	630.3	17.9
50°-60°	491.5	13.9
60°-70°	311.1	8.8
70°-80°	136.2	3.9
80°-90°	26.1	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°	1230.6	34.9
0°-40°	1928.2	54.7
0°-60°	3050.0	86.6
0°-90°	3523.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3523.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1660	1660	1660	1660	1660	
5°	1667	1656	1636	1645	1637	159
15°	1628	1598	1545	1526	1507	460
25°	1534	1467	1358	1307	1273	707
35°	1359	1237	1082	995	960	849
45°	1077	906	758	713	696	826
55°	709	568	503	510	512	633
65°	376	313	320	306	254	377
75°	154	159	131	94	83	169
85°	30	28	13	12	12	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1659.7	1659.7	1659.7	1659.7	1659.7
2.5°	1670.7	1661.3	1644.8	1657.5	1653.1
5°	1667.4	1656.4	1636.0	1644.8	1637.1
7.5°	1661.3	1648.1	1621.1	1623.9	1614.5
10°	1652.5	1634.9	1601.3	1598.0	1585.4
12.5°	1641.5	1617.8	1576.5	1565.0	1548.5
15°	1627.8	1597.5	1545.2	1526.4	1506.6
17.5°	1610.1	1571.6	1509.4	1479.1	1456.5
20°	1587.6	1541.3	1467.0	1427.3	1403.6
22.5°	1563.9	1506.6	1414.1	1372.8	1346.4
25°	1534.1	1467.0	1357.9	1306.7	1273.1
27.5°	1500.5	1421.3	1297.4	1234.0	1200.4
30°	1459.8	1367.8	1230.7	1154.7	1121.1
32.5°	1414.6	1307.3	1158.0	1077.1	1038.0
35°	1359.0	1237.3	1081.5	995.0	959.8
37.5°	1301.8	1161.9	995.6	915.2	884.9
40°	1231.3	1082.0	915.2	841.4	814.4
42.5°	1159.1	993.4	834.8	773.7	751.7
45°	1077.1	906.4	757.7	712.6	695.5
47.5°	985.1	819.9	686.7	658.6	646.5
50°	894.8	733.5	617.3	606.3	602.4
52.5°	805.1	648.7	557.3	558.4	556.2
55°	708.7	568.3	503.3	510.5	511.6
57.5°	612.9	491.7	452.6	465.9	467.0
60°	527.0	426.2	404.2	420.2	420.7
62.5°	447.7	365.1	360.1	375.6	357.4
65°	376.1	312.8	319.9	306.2	253.9
67.5°	312.2	269.3	280.8	214.2	180.1
70°	251.7	226.9	235.7	159.7	139.3
72.5°	198.8	191.6	178.4	124.4	108.5
75°	154.2	158.6	131.1	94.2	82.6
77.5°	117.8	128.9	95.3	67.7	56.7
80°	85.9	96.4	62.8	40.7	34.1
82.5°	56.7	60.6	33.0	20.9	18.2
85°	29.7	28.1	13.2	12.1	11.6
87.5°	12.7	7.2	6.6	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)