

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: P289523

Luminaire Tested: **6RSRK-RM-65-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289523
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-L940
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

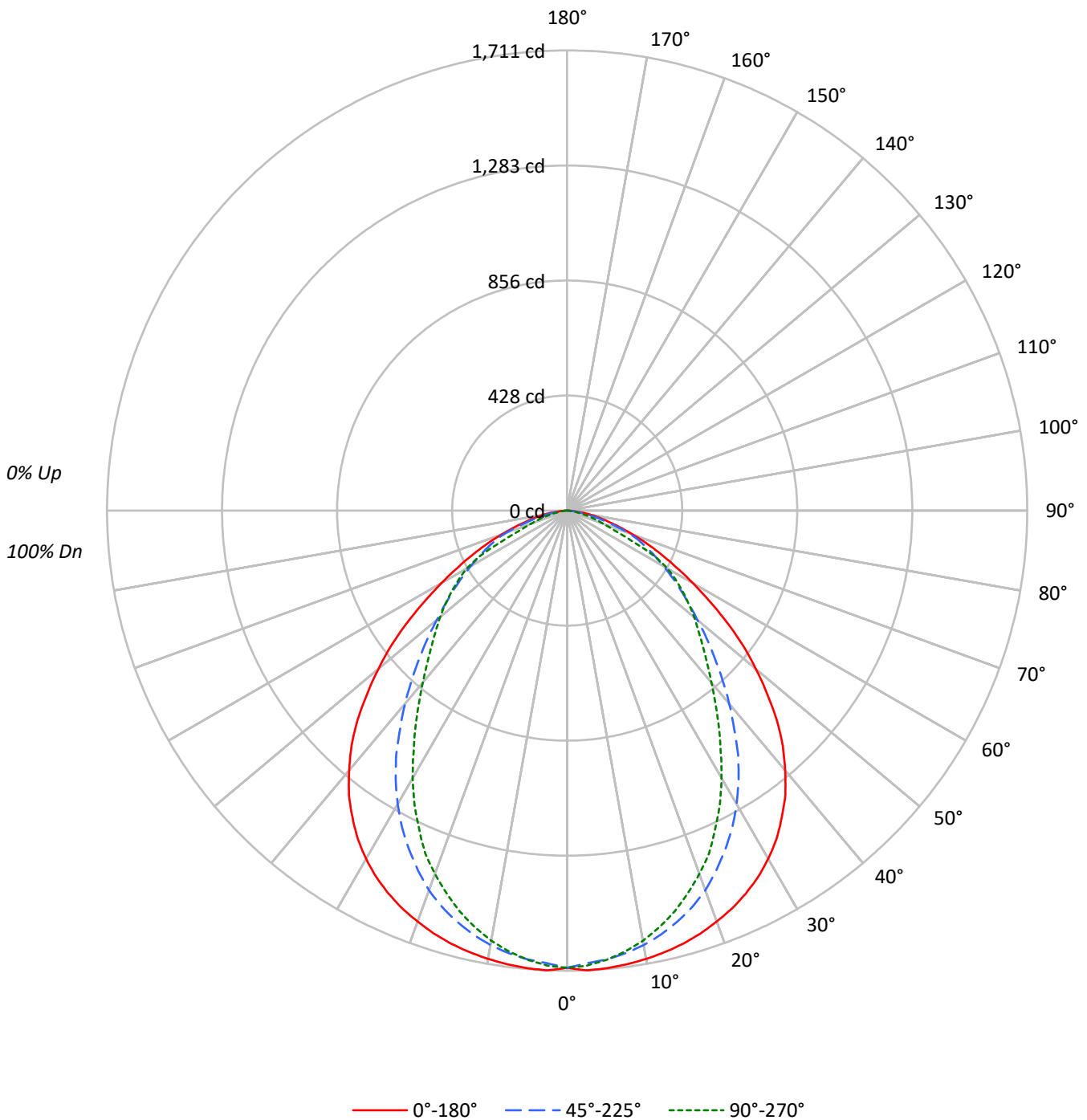
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3608.7 lumens
Efficiency: N/A
Efficacy: 190.9 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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	3050	3050	3050
5°	3075	3017	3020
10°	3083	2988	2958
15°	3096	2939	2866
20°	3104	2868	2745
25°	3110	2753	2581
30°	3097	2611	2379
35°	3048	2426	2153
40°	2953	2195	1954
45°	2799	1969	1807
50°	2558	1764	1722
55°	2270	1612	1639
60°	1936	1485	1546
65°	1635	1391	1104
70°	1352	1266	748
75°	1094	930	586
80°	909	664	362
85°	628	278	243



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	4.4
10°-20°	449.5	12.5
20°-30°	651.0	18.0
30°-40°	714.5	19.8
40°-50°	645.6	17.9
50°-60°	503.4	13.9
60°-70°	318.6	8.8
70°-80°	139.5	3.9
80°-90°	26.7	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°	1260.4	34.9
0°-40°	1974.9	54.7
0°-60°	3123.8	86.6
0°-90°	3608.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3608.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1708	1696	1676	1685	1677	162
15°	1667	1636	1583	1563	1543	471
25°	1571	1502	1391	1338	1304	724
35°	1392	1267	1108	1019	983	869
45°	1103	928	776	730	712	846
55°	726	582	516	523	524	649
65°	385	320	328	314	260	386
75°	158	162	134	96	85	173
85°	30	29	14	12	12	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1699.9	1699.9	1699.9	1699.9	1699.9
2.5°	1711.2	1701.6	1684.7	1697.6	1693.1
5°	1707.8	1696.5	1675.6	1684.7	1676.8
7.5°	1701.6	1688.0	1660.4	1663.2	1653.6
10°	1692.6	1674.5	1640.1	1636.7	1623.8
12.5°	1681.3	1657.0	1614.7	1602.9	1586.0
15°	1667.2	1636.2	1582.6	1563.4	1543.1
17.5°	1649.1	1609.7	1545.9	1514.9	1491.8
20°	1626.0	1578.6	1502.5	1461.9	1437.6
22.5°	1601.8	1543.1	1448.3	1406.0	1379.0
25°	1571.3	1502.5	1390.8	1338.4	1304.0
27.5°	1536.9	1455.7	1328.8	1263.9	1229.5
30°	1495.2	1401.0	1260.5	1182.7	1148.3
32.5°	1448.9	1338.9	1186.1	1103.2	1063.1
35°	1391.9	1267.3	1107.7	1019.1	983.0
37.5°	1333.3	1190.0	1019.7	937.4	906.3
40°	1261.1	1108.3	937.4	861.8	834.2
42.5°	1187.2	1017.5	855.0	792.4	769.9
45°	1103.2	928.3	776.1	729.8	712.3
47.5°	1009.0	839.8	703.3	674.5	662.1
50°	916.5	751.2	632.2	621.0	617.0
52.5°	824.6	664.4	570.8	571.9	569.6
55°	725.9	582.0	515.5	522.8	524.0
57.5°	627.7	503.7	463.6	477.1	478.3
60°	539.7	436.5	414.0	430.3	430.9
62.5°	458.5	373.9	368.9	384.6	366.0
65°	385.2	320.4	327.7	313.6	260.0
67.5°	319.8	275.8	287.6	219.4	184.4
70°	257.7	232.4	241.4	163.6	142.7
72.5°	203.6	196.3	182.7	127.5	111.1
75°	157.9	162.4	134.2	96.4	84.6
77.5°	120.7	132.0	97.6	69.4	58.1
80°	88.0	98.7	64.3	41.7	35.0
82.5°	58.1	62.0	33.8	21.4	18.6
85°	30.5	28.8	13.5	12.4	11.8
87.5°	13.0	7.3	6.8	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)