

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: P#

Luminaire Tested: **8RSRK-TB-65-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TB-65-HE-L930
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

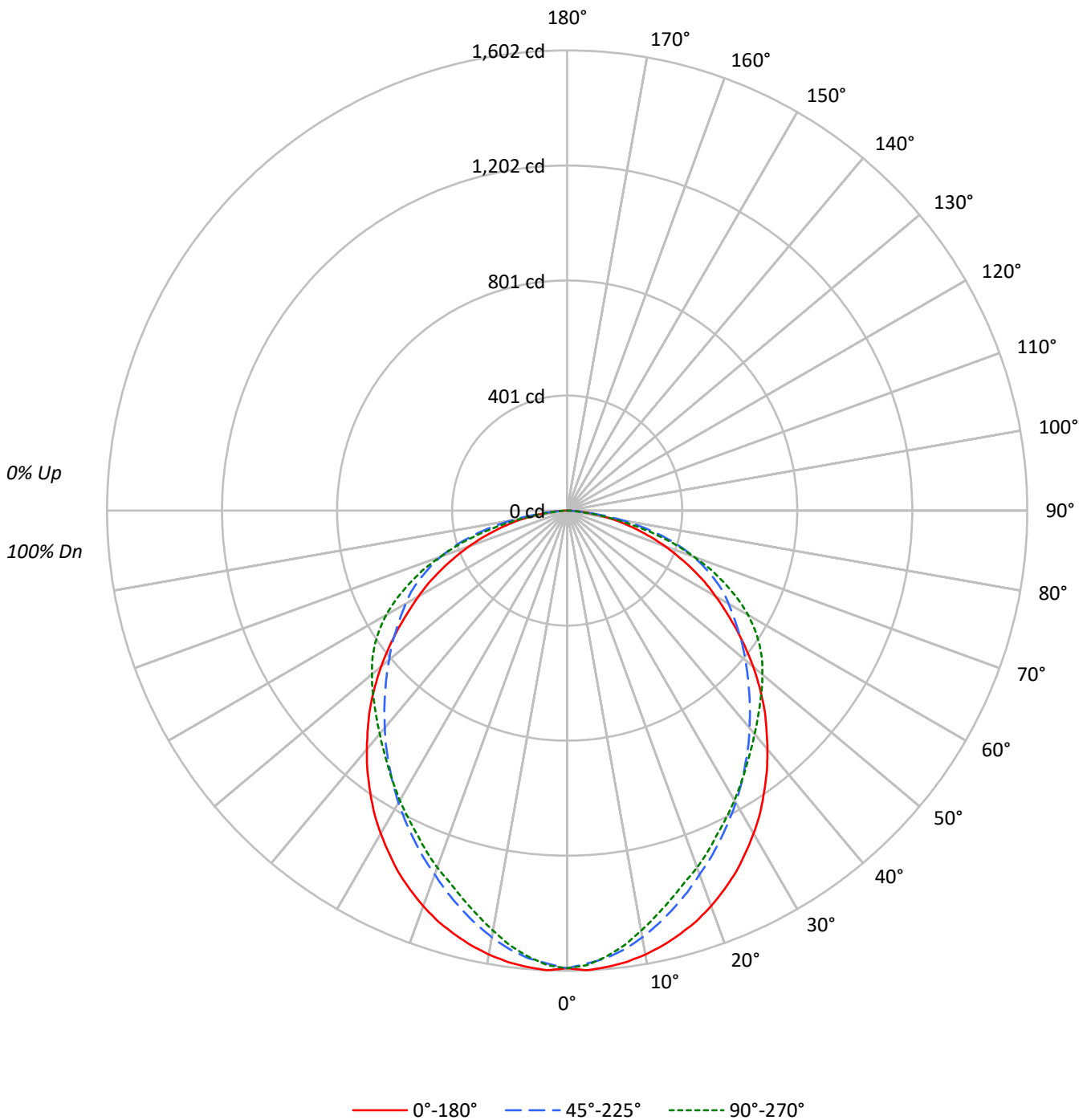
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4167.8 lumens
Efficiency: N/A
Efficacy: 220.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 8' 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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2144	2144	2144
5°	2154	2112	2105
10°	2144	2061	2028
15°	2124	1996	1950
20°	2098	1930	1894
25°	2063	1875	1841
30°	2017	1825	1810
35°	1964	1775	1785
40°	1905	1734	1783
45°	1846	1705	1807
50°	1770	1693	1857
55°	1686	1704	1920
60°	1607	1748	1958
65°	1528	1802	1941
70°	1428	1841	1845
75°	1282	1786	1653
80°	1122	1516	1227
85°	843	801	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	3.6
10°-20°	408.6	9.8
20°-30°	594.4	14.3
30°-40°	695.2	16.7
40°-50°	714.6	17.1
50°-60°	664.8	16.0
60°-70°	540.8	13.0
70°-80°	327.5	7.9
80°-90°	73.4	1.8
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°	1151.5	27.6
0°-40°	1846.7	44.3
0°-60°	3226.1	77.4
0°-90°	4167.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4167.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1593	1593	1593	1593	1593	
5°	1595	1585	1564	1567	1559	151
15°	1525	1492	1433	1412	1400	430
25°	1390	1331	1263	1251	1240	639
35°	1196	1132	1081	1088	1087	748
45°	970	908	896	935	950	747
55°	719	679	727	801	818	643
65°	480	471	566	611	610	475
75°	247	293	344	328	318	264
85°	55	75	52	38	34	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1593.2	1593.2	1593.2	1593.2	1593.2
2.5°	1601.6	1594.3	1578.5	1587.5	1583.8
5°	1594.8	1585.4	1563.9	1567.0	1558.6
7.5°	1584.8	1571.2	1540.3	1534.0	1526.6
10°	1569.1	1549.2	1508.3	1498.3	1484.6
12.5°	1549.7	1524.0	1472.6	1454.7	1442.2
15°	1525.0	1492.5	1433.2	1411.7	1399.7
17.5°	1498.3	1457.9	1392.3	1370.3	1357.7
20°	1465.2	1419.1	1348.2	1329.9	1322.5
22.5°	1428.5	1375.5	1307.3	1291.1	1282.7
25°	1389.7	1330.9	1263.3	1250.7	1240.2
27.5°	1344.0	1284.2	1218.7	1209.7	1202.4
30°	1298.4	1237.0	1174.6	1168.3	1165.2
32.5°	1250.1	1183.5	1128.4	1127.4	1125.8
35°	1195.6	1132.1	1080.7	1087.5	1087.0
37.5°	1142.6	1077.5	1035.6	1047.6	1050.3
40°	1084.4	1020.9	987.3	1007.8	1015.1
42.5°	1027.2	966.3	942.2	970.0	982.1
45°	970.0	907.6	896.0	935.4	949.5
47.5°	907.6	851.4	852.5	902.9	919.6
50°	845.7	793.2	808.9	867.7	887.1
52.5°	781.7	736.6	769.6	833.6	855.6
55°	718.7	679.4	726.6	800.6	818.4
57.5°	655.8	624.3	687.2	758.1	775.9
60°	597.0	569.7	649.5	714.0	727.6
62.5°	540.9	518.8	612.2	665.7	672.5
65°	480.0	471.1	566.1	611.2	609.6
67.5°	420.2	422.3	518.8	548.2	545.6
70°	363.0	379.8	468.0	480.0	469.0
72.5°	304.3	335.7	408.7	407.6	396.6
75°	246.6	293.3	343.6	328.4	317.9
77.5°	196.7	247.6	272.8	251.8	235.0
80°	144.8	198.3	195.7	172.1	158.4
82.5°	95.0	138.0	121.2	97.6	91.3
85°	54.6	75.0	51.9	37.8	33.6
87.5°	23.1	19.9	13.1	12.1	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)