

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-65-HE-L930
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

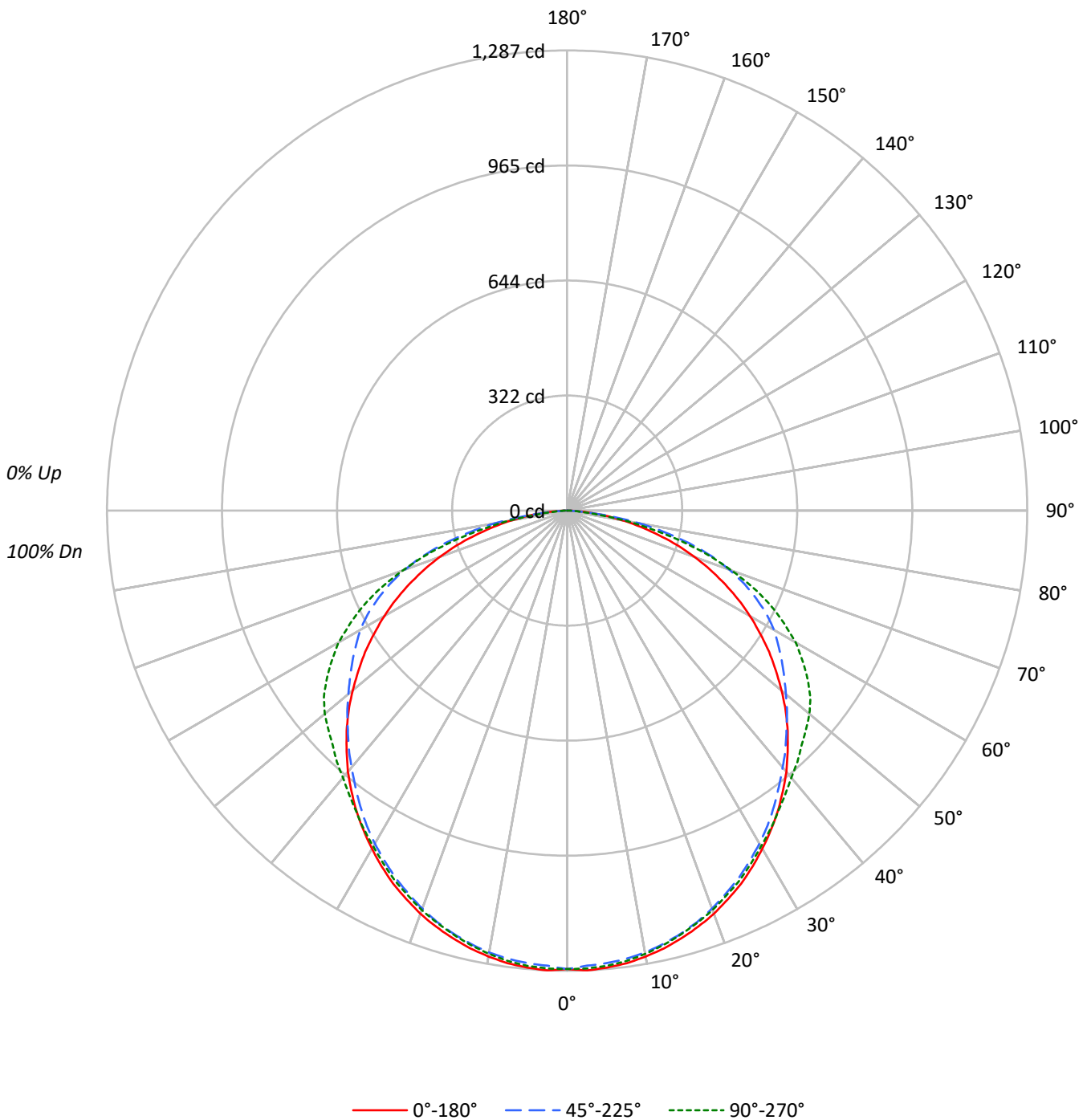
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3947.9 lumens
Efficiency: N/A
Efficacy: 208.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1725	1725	1725
5°	1733	1716	1726
10°	1730	1715	1720
15°	1724	1707	1710
20°	1718	1696	1702
25°	1710	1684	1694
30°	1697	1671	1685
35°	1687	1657	1689
40°	1675	1647	1713
45°	1660	1650	1765
50°	1639	1672	1852
55°	1618	1720	1926
60°	1590	1798	1986
65°	1550	1858	2002
70°	1491	1899	1924
75°	1373	1837	1719
80°	1216	1581	1318
85°	875	801	523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	3.1
10°-20°	347.5	8.8
20°-30°	526.2	13.3
30°-40°	638.2	16.2
40°-50°	682.8	17.3
50°-60°	661.8	16.8
60°-70°	554.2	14.0
70°-80°	340.6	8.6
80°-90°	75.2	1.9
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°	995.1	25.2
0°-40°	1633.4	41.4
0°-60°	2977.9	75.4
0°-90°	3947.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3947.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1283	1280	1270	1279	1278	122
15°	1238	1235	1226	1231	1228	349
25°	1152	1145	1134	1142	1141	530
35°	1027	1014	1009	1026	1028	642
45°	872	854	867	912	928	673
55°	690	671	733	806	821	616
65°	487	484	584	623	629	481
75°	264	308	353	338	331	281
85°	57	76	52	36	34	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1287.1	1283.7	1274.0	1282.3	1281.6
5°	1283.0	1280.2	1270.5	1278.8	1278.1
7.5°	1276.8	1274.0	1264.3	1272.6	1270.5
10°	1266.4	1264.3	1255.3	1261.5	1258.8
12.5°	1253.9	1251.9	1241.5	1248.4	1245.0
15°	1238.0	1235.3	1225.6	1231.1	1227.7
17.5°	1220.1	1216.6	1206.9	1212.4	1209.0
20°	1200.0	1195.2	1184.8	1192.4	1188.9
22.5°	1175.8	1172.3	1159.9	1168.2	1164.7
25°	1151.6	1144.7	1134.3	1141.9	1141.2
27.5°	1122.5	1115.6	1105.2	1114.2	1112.8
30°	1092.1	1084.5	1075.5	1084.5	1084.5
32.5°	1060.3	1050.6	1043.7	1054.1	1057.5
35°	1027.1	1013.9	1009.1	1026.4	1028.5
37.5°	990.4	977.3	973.1	996.0	1001.5
40°	953.8	937.2	937.9	966.9	975.2
42.5°	913.0	896.4	904.0	937.9	953.1
45°	872.2	853.5	867.3	911.6	927.5
47.5°	829.3	811.3	834.1	886.0	906.0
50°	782.9	765.0	798.8	861.8	884.6
52.5°	735.9	717.2	765.0	836.9	857.6
55°	689.6	670.9	733.1	805.8	821.0
57.5°	639.8	623.9	699.9	765.0	780.2
60°	590.7	576.8	668.1	723.5	738.0
62.5°	540.2	529.8	629.4	675.7	684.0
65°	486.9	484.1	583.7	623.2	628.7
67.5°	433.7	440.6	536.7	562.3	563.0
70°	379.0	397.7	482.8	493.8	489.0
72.5°	323.7	356.2	423.3	417.7	413.6
75°	264.2	308.5	353.4	338.2	330.6
77.5°	210.3	260.1	278.7	257.3	245.5
80°	157.0	205.4	204.0	176.4	170.1
82.5°	105.8	143.2	122.4	99.6	87.1
85°	56.7	76.1	51.9	36.0	33.9
87.5°	21.4	18.0	13.8	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)