

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: **6RSRK-TS-65-HE-L830**

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: 6RSRK-TS-65-HE-L830
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

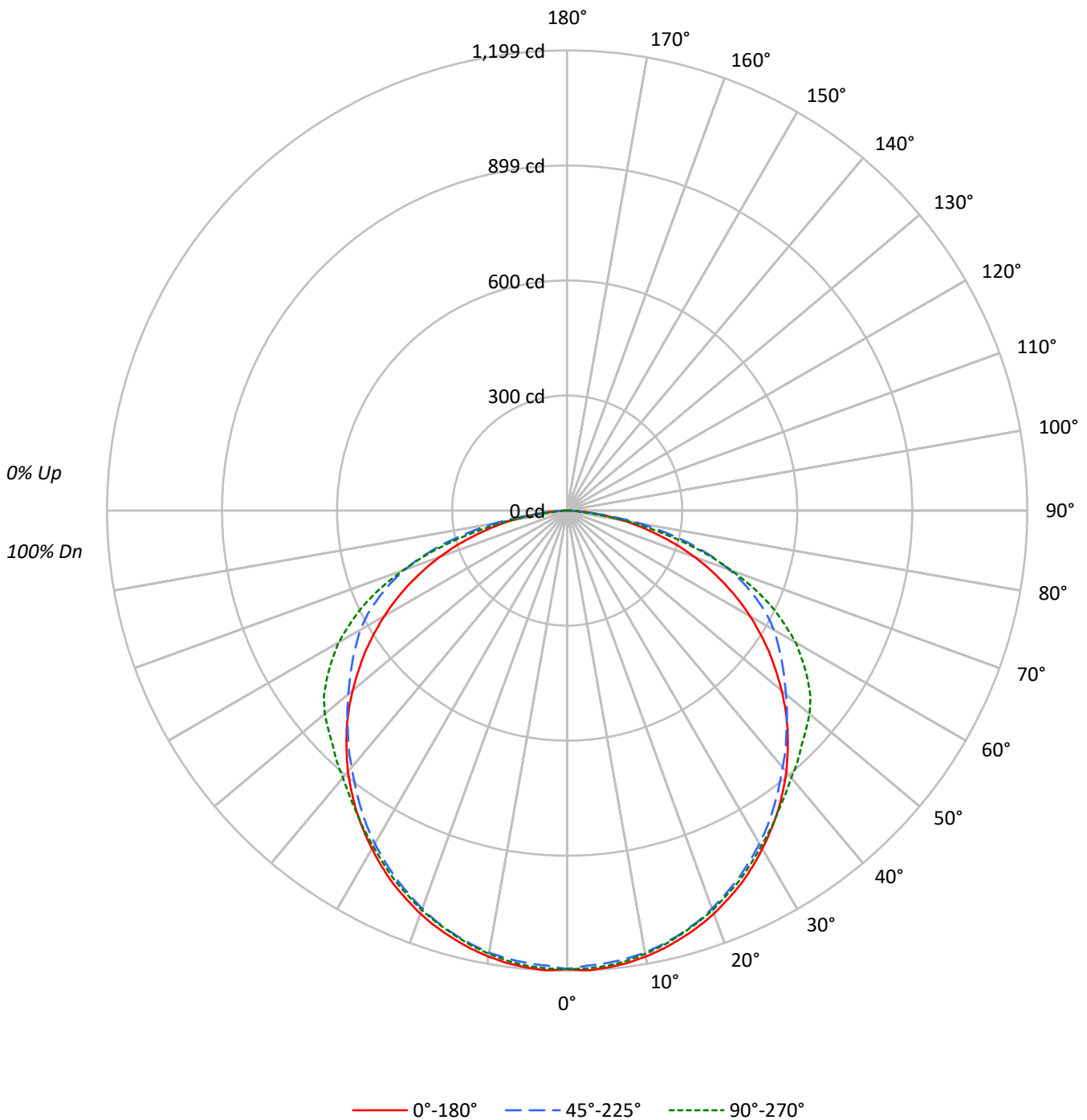
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3678.2 lumens
Efficiency: N/A
Efficacy: 194.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	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°	2143	2143	2143
5°	2153	2132	2144
10°	2149	2131	2136
15°	2142	2121	2124
20°	2134	2107	2115
25°	2124	2092	2105
30°	2108	2076	2093
35°	2096	2059	2099
40°	2081	2046	2128
45°	2062	2050	2192
50°	2036	2077	2300
55°	2010	2136	2392
60°	1974	2234	2467
65°	1926	2309	2486
70°	1852	2359	2390
75°	1707	2283	2135
80°	1511	1964	1637
85°	1087	994	650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.1
10°-20°	323.8	8.8
20°-30°	490.3	13.3
30°-40°	594.6	16.2
40°-50°	636.1	17.3
50°-60°	616.5	16.8
60°-70°	516.4	14.0
70°-80°	317.3	8.6
80°-90°	70.1	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°	927.2	25.2
0°-40°	1521.8	41.4
0°-60°	2774.4	75.4
0°-90°	3678.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3678.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1195	1193	1184	1192	1191	114
15°	1153	1151	1142	1147	1144	326
25°	1073	1066	1057	1064	1063	494
35°	957	945	940	956	958	598
45°	813	795	808	849	864	627
55°	642	625	683	751	765	574
65°	454	451	544	581	586	449
75°	246	287	329	315	308	262
85°	53	71	48	34	32	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1194.7	1194.7	1194.7	1194.7	1194.7
2.5°	1199.2	1196.0	1187.0	1194.7	1194.0
5°	1195.3	1192.8	1183.7	1191.5	1190.8
7.5°	1189.5	1187.0	1177.9	1185.7	1183.7
10°	1179.9	1177.9	1169.6	1175.4	1172.8
12.5°	1168.3	1166.3	1156.7	1163.1	1159.9
15°	1153.4	1150.9	1141.8	1147.0	1143.8
17.5°	1136.7	1133.5	1124.5	1129.6	1126.4
20°	1118.0	1113.5	1103.8	1110.9	1107.7
22.5°	1095.5	1092.2	1080.6	1088.4	1085.1
25°	1072.9	1066.5	1056.8	1063.9	1063.2
27.5°	1045.8	1039.4	1029.7	1038.1	1036.8
30°	1017.5	1010.4	1002.0	1010.4	1010.4
32.5°	987.8	978.8	972.4	982.0	985.3
35°	956.9	944.7	940.2	956.3	958.2
37.5°	922.8	910.5	906.6	927.9	933.1
40°	888.6	873.1	873.8	900.8	908.6
42.5°	850.6	835.1	842.2	873.8	888.0
45°	812.6	795.2	808.1	849.3	864.1
47.5°	772.6	755.9	777.1	825.5	844.1
50°	729.4	712.7	744.3	802.9	824.2
52.5°	685.6	668.2	712.7	779.7	799.0
55°	642.5	625.1	683.0	750.7	764.9
57.5°	596.1	581.2	652.1	712.7	726.9
60°	550.3	537.4	622.5	674.0	687.6
62.5°	503.3	493.6	586.4	629.6	637.3
65°	453.6	451.1	543.9	580.6	585.7
67.5°	404.0	410.5	500.0	523.9	524.5
70°	353.1	370.5	449.8	460.1	455.6
72.5°	301.6	331.9	394.4	389.2	385.3
75°	246.2	287.4	329.3	315.1	308.0
77.5°	195.9	242.3	259.7	239.7	228.8
80°	146.3	191.4	190.1	164.3	158.5
82.5°	98.6	133.4	114.1	92.8	81.2
85°	52.8	70.9	48.3	33.5	31.6
87.5°	20.0	16.8	12.9	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)