

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-L835**

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-L835
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

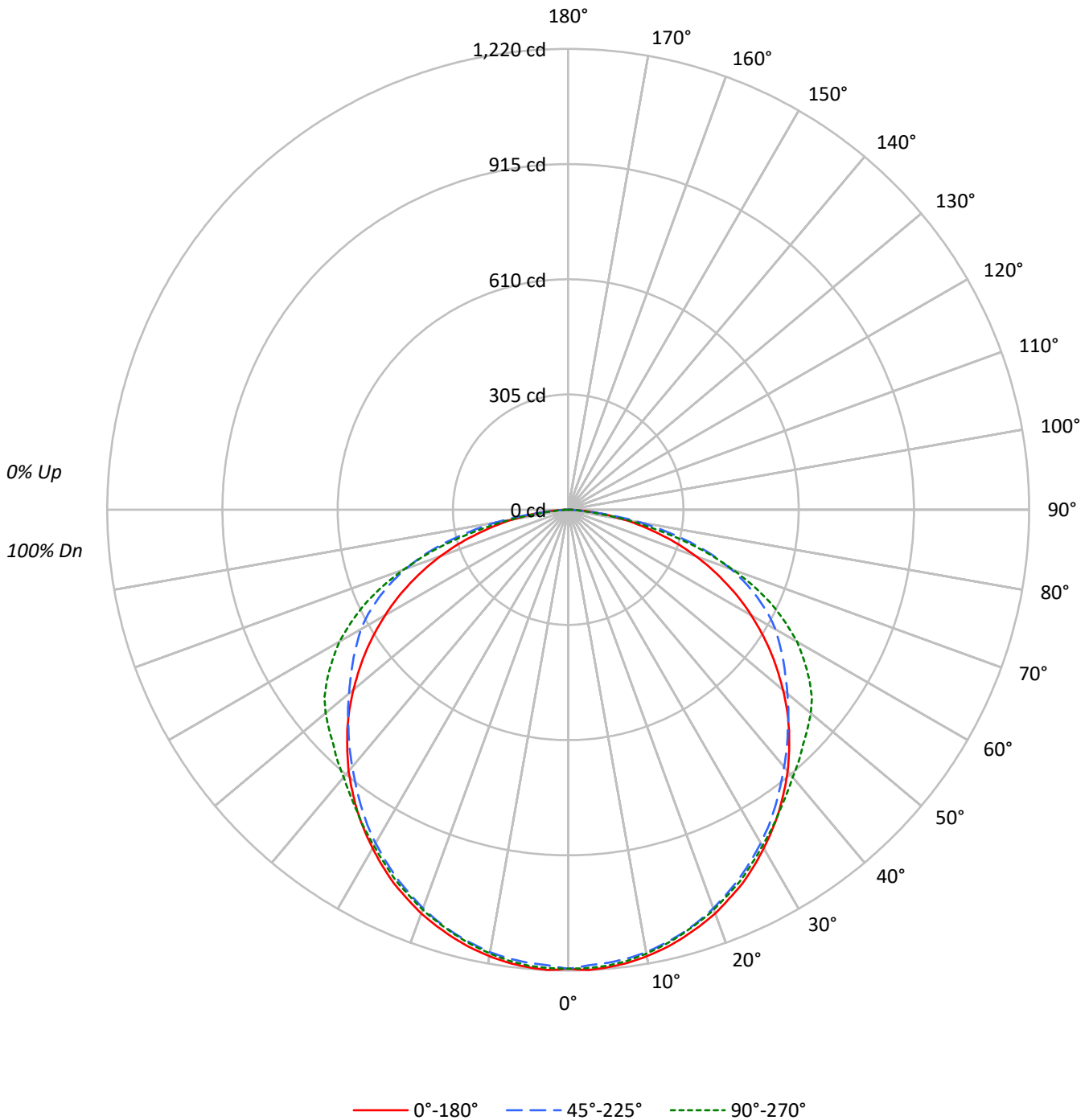
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3741.6 lumens
Efficiency: N/A
Efficacy: 198.0 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°	2180	2180	2180
5°	2190	2169	2182
10°	2186	2167	2173
15°	2179	2157	2161
20°	2171	2144	2151
25°	2160	2128	2141
30°	2144	2111	2129
35°	2132	2095	2135
40°	2117	2082	2165
45°	2097	2085	2230
50°	2071	2113	2340
55°	2044	2173	2434
60°	2009	2272	2509
65°	1959	2348	2529
70°	1884	2400	2431
75°	1736	2322	2172
80°	1537	1998	1666
85°	1107	1013	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	3.1
10°-20°	329.4	8.8
20°-30°	498.7	13.3
30°-40°	604.9	16.2
40°-50°	647.1	17.3
50°-60°	627.2	16.8
60°-70°	525.2	14.0
70°-80°	322.8	8.6
80°-90°	71.3	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°	943.1	25.2
0°-40°	1548.0	41.4
0°-60°	2822.3	75.4
0°-90°	3741.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3741.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1216	1213	1204	1212	1211	116
15°	1173	1171	1162	1167	1164	331
25°	1091	1085	1075	1082	1082	503
35°	973	961	956	973	975	609
45°	827	809	822	864	879	637
55°	654	636	695	764	778	583
65°	462	459	553	591	596	456
75°	250	292	335	320	313	266
85°	54	72	49	34	32	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.3	1215.3	1215.3	1215.3	1215.3
2.5°	1219.9	1216.6	1207.4	1215.3	1214.6
5°	1216.0	1213.3	1204.2	1212.0	1211.4
7.5°	1210.1	1207.4	1198.3	1206.1	1204.2
10°	1200.2	1198.3	1189.7	1195.6	1193.0
12.5°	1188.4	1186.5	1176.6	1183.2	1179.9
15°	1173.3	1170.7	1161.5	1166.8	1163.5
17.5°	1156.3	1153.0	1143.8	1149.1	1145.8
20°	1137.3	1132.7	1122.9	1130.1	1126.8
22.5°	1114.3	1111.1	1099.3	1107.1	1103.9
25°	1091.4	1084.9	1075.0	1082.2	1081.6
27.5°	1063.9	1057.3	1047.5	1056.0	1054.7
30°	1035.0	1027.8	1019.3	1027.8	1027.8
32.5°	1004.9	995.7	989.1	999.0	1002.3
35°	973.4	961.0	956.4	972.8	974.7
37.5°	938.7	926.2	922.3	943.9	949.2
40°	903.9	888.2	888.9	916.4	924.3
42.5°	865.3	849.5	856.7	888.9	903.3
45°	826.6	808.9	822.0	863.9	879.0
47.5°	785.9	768.9	790.5	839.7	858.7
50°	742.0	725.0	757.1	816.8	838.4
52.5°	697.5	679.8	725.0	793.2	812.8
55°	653.5	635.8	694.8	763.7	778.1
57.5°	606.3	591.3	663.4	725.0	739.4
60°	559.8	546.7	633.2	685.7	699.4
62.5°	511.9	502.1	596.5	640.4	648.3
65°	461.5	458.8	553.2	590.6	595.8
67.5°	411.0	417.6	508.7	532.9	533.6
70°	359.2	376.9	457.5	468.0	463.4
72.5°	306.8	337.6	401.2	395.9	392.0
75°	250.4	292.4	335.0	320.5	313.3
77.5°	199.3	246.5	264.2	243.8	232.7
80°	148.8	194.7	193.4	167.2	161.3
82.5°	100.3	135.7	116.0	94.4	82.6
85°	53.8	72.1	49.2	34.1	32.1
87.5°	20.3	17.0	13.1	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)