

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-TB-65-HE-L935**

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: 6RSRK-TB-65-HE-L935
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

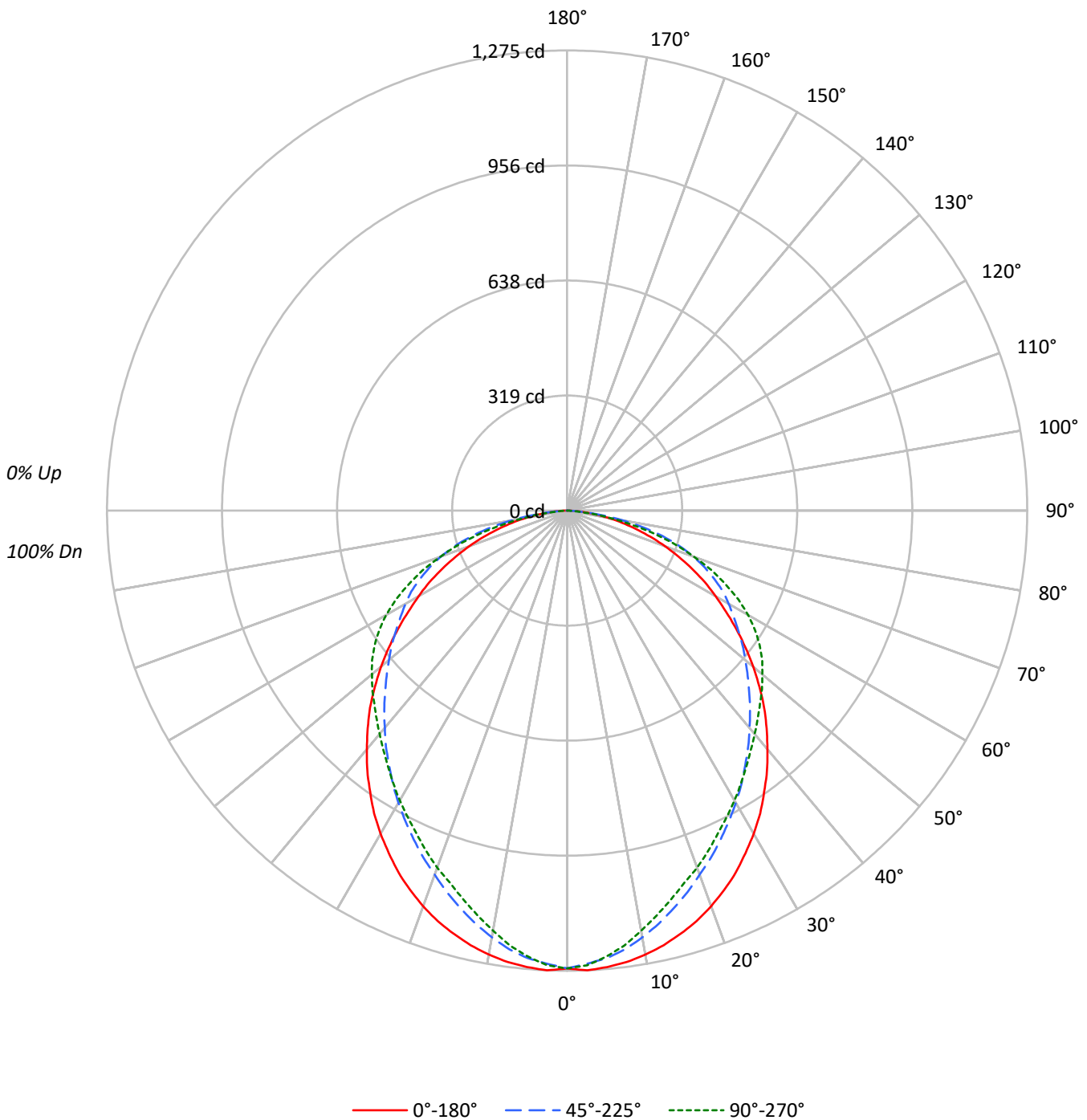
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3318.0 lumens
Efficiency: N/A
Efficacy: 175.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	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°	2275	2275	2275
5°	2286	2242	2234
10°	2276	2187	2153
15°	2255	2119	2070
20°	2227	2049	2010
25°	2190	1991	1954
30°	2141	1937	1922
35°	2084	1884	1895
40°	2022	1841	1892
45°	1959	1810	1918
50°	1879	1797	1971
55°	1790	1809	2038
60°	1705	1855	2079
65°	1622	1913	2060
70°	1516	1954	1959
75°	1361	1896	1754
80°	1191	1610	1303
85°	893	850	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.6
10°-20°	325.3	9.8
20°-30°	473.2	14.3
30°-40°	553.5	16.7
40°-50°	568.9	17.1
50°-60°	529.3	16.0
60°-70°	430.5	13.0
70°-80°	260.8	7.9
80°-90°	58.4	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°	916.7	27.6
0°-40°	1470.2	44.3
0°-60°	2568.3	77.4
0°-90°	3318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3318.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1270	1262	1245	1248	1241	121
15°	1214	1188	1141	1124	1114	342
25°	1106	1060	1006	996	987	509
35°	952	901	860	866	865	596
45°	772	722	713	745	756	594
55°	572	541	578	637	652	512
65°	382	375	451	487	485	378
75°	196	234	274	261	253	210
85°	43	60	41	30	27	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1268.4	1268.4	1268.4	1268.4	1268.4
2.5°	1275.1	1269.2	1256.7	1263.8	1260.9
5°	1269.6	1262.1	1245.0	1247.5	1240.8
7.5°	1261.7	1250.8	1226.2	1221.2	1215.3
10°	1249.2	1233.3	1200.7	1192.8	1181.9
12.5°	1233.7	1213.3	1172.3	1158.1	1148.1
15°	1214.1	1188.2	1141.0	1123.9	1114.3
17.5°	1192.8	1160.6	1108.4	1090.9	1080.9
20°	1166.5	1129.7	1073.4	1058.7	1052.9
22.5°	1137.3	1095.1	1040.8	1027.8	1021.1
25°	1106.3	1059.6	1005.7	995.7	987.3
27.5°	1070.0	1022.4	970.2	963.1	957.2
30°	1033.7	984.8	935.1	930.1	927.6
32.5°	995.3	942.2	898.4	897.5	896.3
35°	951.8	901.3	860.4	865.8	865.4
37.5°	909.6	857.8	824.4	834.0	836.1
40°	863.3	812.7	786.0	802.3	808.1
42.5°	817.8	769.3	750.1	772.2	781.8
45°	772.2	722.5	713.3	744.7	755.9
47.5°	722.5	677.8	678.7	718.8	732.1
50°	673.2	631.5	644.0	690.8	706.2
52.5°	622.3	586.4	612.7	663.6	681.2
55°	572.2	540.9	578.4	637.3	651.5
57.5°	522.1	497.0	547.1	603.5	617.7
60°	475.3	453.6	517.0	568.4	579.3
62.5°	430.6	413.1	487.4	530.0	535.4
65°	382.1	375.0	450.6	486.6	485.3
67.5°	334.5	336.2	413.1	436.4	434.4
70°	289.0	302.4	372.5	382.1	373.4
72.5°	242.2	267.3	325.3	324.5	315.7
75°	196.3	233.5	273.6	261.4	253.1
77.5°	156.6	197.1	217.2	200.5	187.1
80°	115.3	157.9	155.8	137.0	126.1
82.5°	75.6	109.8	96.5	77.7	72.7
85°	43.4	59.7	41.3	30.1	26.7
87.5°	18.4	15.9	10.4	9.6	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)