

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-L950**

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-L950
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

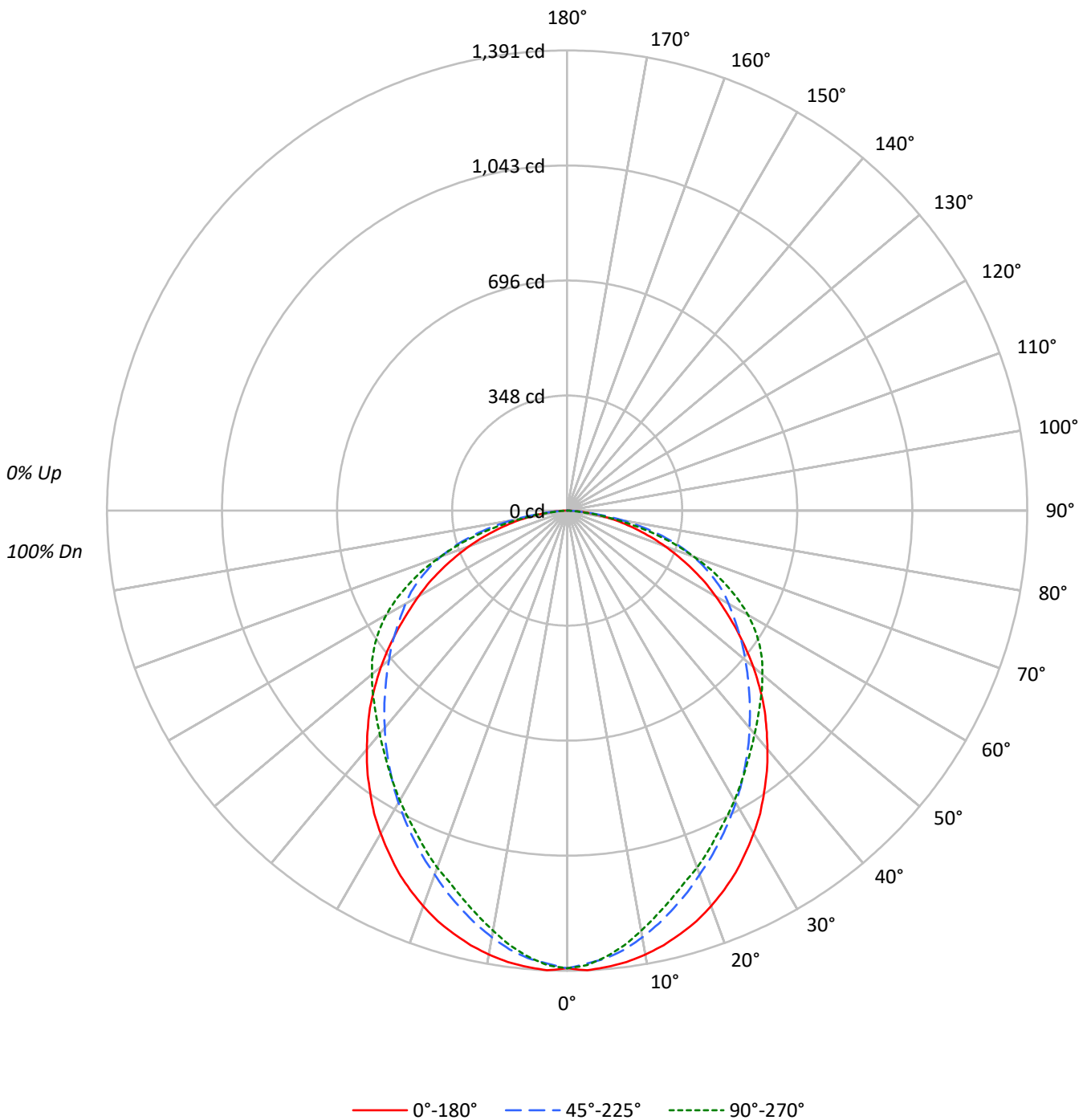
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3619.3 lumens
Efficiency: N/A
Efficacy: 191.5 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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-TB-65-HE-L950

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-65-HE-L950

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°	2482	2482	2482
5°	2494	2446	2437
10°	2482	2386	2349
15°	2460	2312	2258
20°	2429	2235	2193
25°	2389	2171	2132
30°	2336	2113	2096
35°	2274	2055	2067
40°	2205	2008	2064
45°	2137	1974	2092
50°	2050	1961	2150
55°	1952	1974	2223
60°	1860	2024	2267
65°	1769	2087	2247
70°	1654	2132	2136
75°	1484	2068	1914
80°	1299	1755	1422
85°	976	928	601



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-65-HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	3.6
10°-20°	354.8	9.8
20°-30°	516.2	14.3
30°-40°	603.7	16.7
40°-50°	620.6	17.1
50°-60°	577.3	16.0
60°-70°	469.6	13.0
70°-80°	284.4	7.9
80°-90°	63.7	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°	999.9	27.6
0°-40°	1603.7	44.3
0°-60°	2801.5	77.4
0°-90°	3619.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3619.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1385	1377	1358	1361	1354	131
15°	1324	1296	1245	1226	1216	373
25°	1207	1156	1097	1086	1077	555
35°	1038	983	938	944	944	650
45°	842	788	778	812	825	648
55°	624	590	631	695	711	559
65°	417	409	492	531	529	413
75°	214	255	298	285	276	229
85°	47	65	45	33	29	58
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-65-HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1390.9	1384.5	1370.8	1378.6	1375.4
5°	1384.9	1376.7	1358.1	1360.8	1353.5
7.5°	1376.3	1364.4	1337.6	1332.1	1325.7
10°	1362.6	1345.3	1309.8	1301.1	1289.3
12.5°	1345.8	1323.4	1278.8	1263.3	1252.4
15°	1324.3	1296.1	1244.6	1225.9	1215.5
17.5°	1301.1	1266.0	1209.1	1190.0	1179.0
20°	1272.4	1232.3	1170.8	1154.9	1148.5
22.5°	1240.5	1194.5	1135.3	1121.2	1113.9
25°	1206.8	1155.8	1097.0	1086.1	1077.0
27.5°	1167.2	1115.2	1058.3	1050.5	1044.2
30°	1127.5	1074.2	1020.0	1014.6	1011.8
32.5°	1085.6	1027.8	979.9	979.0	977.7
35°	1038.2	983.1	938.5	944.4	943.9
37.5°	992.2	935.7	899.3	909.8	912.1
40°	941.7	886.5	857.4	875.2	881.5
42.5°	892.0	839.2	818.2	842.4	852.8
45°	842.4	788.1	778.1	812.3	824.6
47.5°	788.1	739.4	740.3	784.0	798.6
50°	734.4	688.8	702.5	753.5	770.4
52.5°	678.8	639.6	668.3	723.9	743.0
55°	624.1	590.0	631.0	695.2	710.7
57.5°	569.5	542.1	596.8	658.3	673.8
60°	518.4	494.8	564.0	620.0	631.9
62.5°	469.7	450.6	531.7	578.1	584.0
65°	416.8	409.1	491.6	530.7	529.4
67.5°	364.9	366.7	450.6	476.1	473.8
70°	315.3	329.8	406.4	416.8	407.3
72.5°	264.2	291.6	354.9	354.0	344.4
75°	214.1	254.7	298.4	285.2	276.1
77.5°	170.8	215.0	236.9	218.7	204.1
80°	125.7	172.2	169.9	149.4	137.6
82.5°	82.5	119.8	105.2	84.7	79.3
85°	47.4	65.1	45.1	32.8	29.2
87.5°	20.0	17.3	11.4	10.5	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)