

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-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 (G3-1810-975-9)
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-L830
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

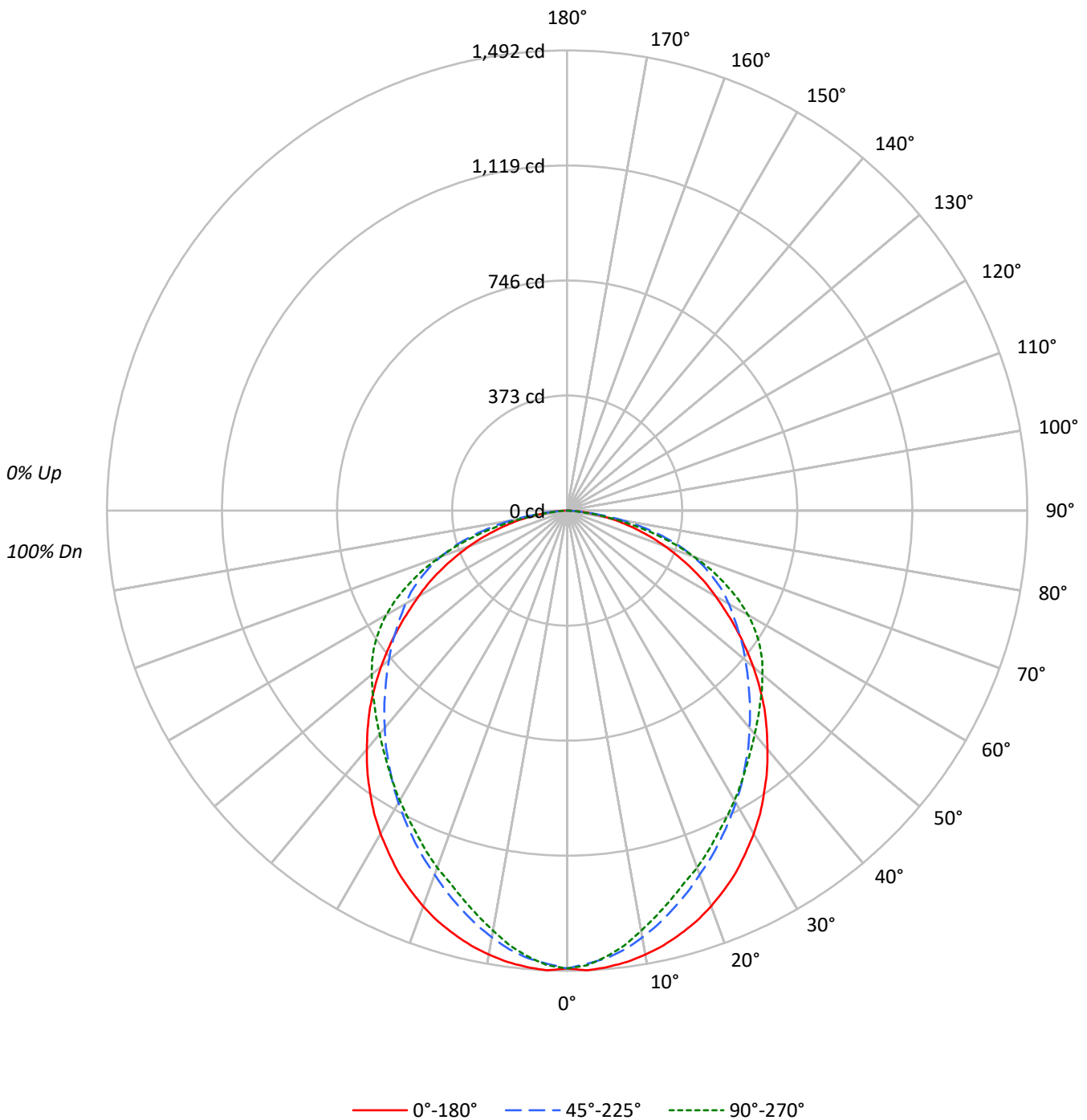
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3883.0 lumens
Efficiency: N/A
Efficacy: 205.5 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-L830

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-65-HE-L830

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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2663	2663	2663
5°	2676	2624	2615
10°	2663	2560	2520
15°	2639	2480	2422
20°	2606	2398	2352
25°	2563	2330	2287
30°	2506	2267	2249
35°	2439	2205	2218
40°	2366	2154	2215
45°	2293	2118	2245
50°	2199	2104	2307
55°	2094	2117	2385
60°	1996	2171	2432
65°	1898	2239	2411
70°	1774	2287	2292
75°	1592	2219	2053
80°	1394	1883	1525
85°	1046	996	644



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-65-HE-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.4	3.6
10°-20°	380.7	9.8
20°-30°	553.8	14.3
30°-40°	647.7	16.7
40°-50°	665.8	17.1
50°-60°	619.4	16.0
60°-70°	503.8	13.0
70°-80°	305.2	7.9
80°-90°	68.4	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°	1072.8	27.6
0°-40°	1720.5	44.3
0°-60°	3005.7	77.4
0°-90°	3883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1486	1477	1457	1460	1452	141
15°	1421	1390	1335	1315	1304	401
25°	1295	1240	1177	1165	1155	596
35°	1114	1055	1007	1013	1013	697
45°	904	846	835	872	885	696
55°	670	633	677	746	762	599
65°	447	439	527	569	568	443
75°	230	273	320	306	296	246
85°	51	70	48	35	31	62
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-65-HE-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1484.4	1484.4	1484.4	1484.4	1484.4
2.5°	1492.2	1485.4	1470.7	1479.0	1475.6
5°	1485.8	1477.1	1457.0	1459.9	1452.1
7.5°	1476.6	1463.9	1435.0	1429.2	1422.3
10°	1461.9	1443.3	1405.2	1395.9	1383.2
12.5°	1443.8	1419.9	1372.0	1355.3	1343.6
15°	1420.8	1390.5	1335.3	1315.3	1304.0
17.5°	1395.9	1358.3	1297.2	1276.7	1264.9
20°	1365.1	1322.1	1256.1	1239.0	1232.2
22.5°	1330.9	1281.5	1218.0	1202.9	1195.0
25°	1294.7	1240.0	1176.9	1165.2	1155.4
27.5°	1252.2	1196.5	1135.4	1127.1	1120.3
30°	1209.7	1152.5	1094.3	1088.5	1085.6
32.5°	1164.7	1102.7	1051.3	1050.4	1048.9
35°	1113.9	1054.8	1006.9	1013.2	1012.7
37.5°	1064.5	1003.9	964.8	976.1	978.5
40°	1010.3	951.1	919.9	938.9	945.8
42.5°	957.0	900.3	877.8	903.7	915.0
45°	903.7	845.6	834.8	871.5	884.7
47.5°	845.6	793.3	794.2	841.2	856.8
50°	787.9	739.0	753.7	808.4	826.5
52.5°	728.3	686.2	717.0	776.6	797.2
55°	669.6	633.0	676.9	745.9	762.5
57.5°	611.0	581.6	640.3	706.3	722.9
60°	556.2	530.8	605.1	665.2	677.9
62.5°	503.9	483.4	570.4	620.2	626.6
65°	447.2	438.9	527.4	569.4	567.9
67.5°	391.5	393.5	483.4	510.8	508.3
70°	338.2	353.9	436.0	447.2	437.0
72.5°	283.5	312.8	380.7	379.8	369.5
75°	229.7	273.2	320.1	306.0	296.2
77.5°	183.3	230.7	254.2	234.6	219.0
80°	134.9	184.8	182.3	160.3	147.6
82.5°	88.5	128.5	112.9	90.9	85.0
85°	50.8	69.9	48.4	35.2	31.3
87.5°	21.5	18.6	12.2	11.2	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)