

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-L930**

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-L930
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

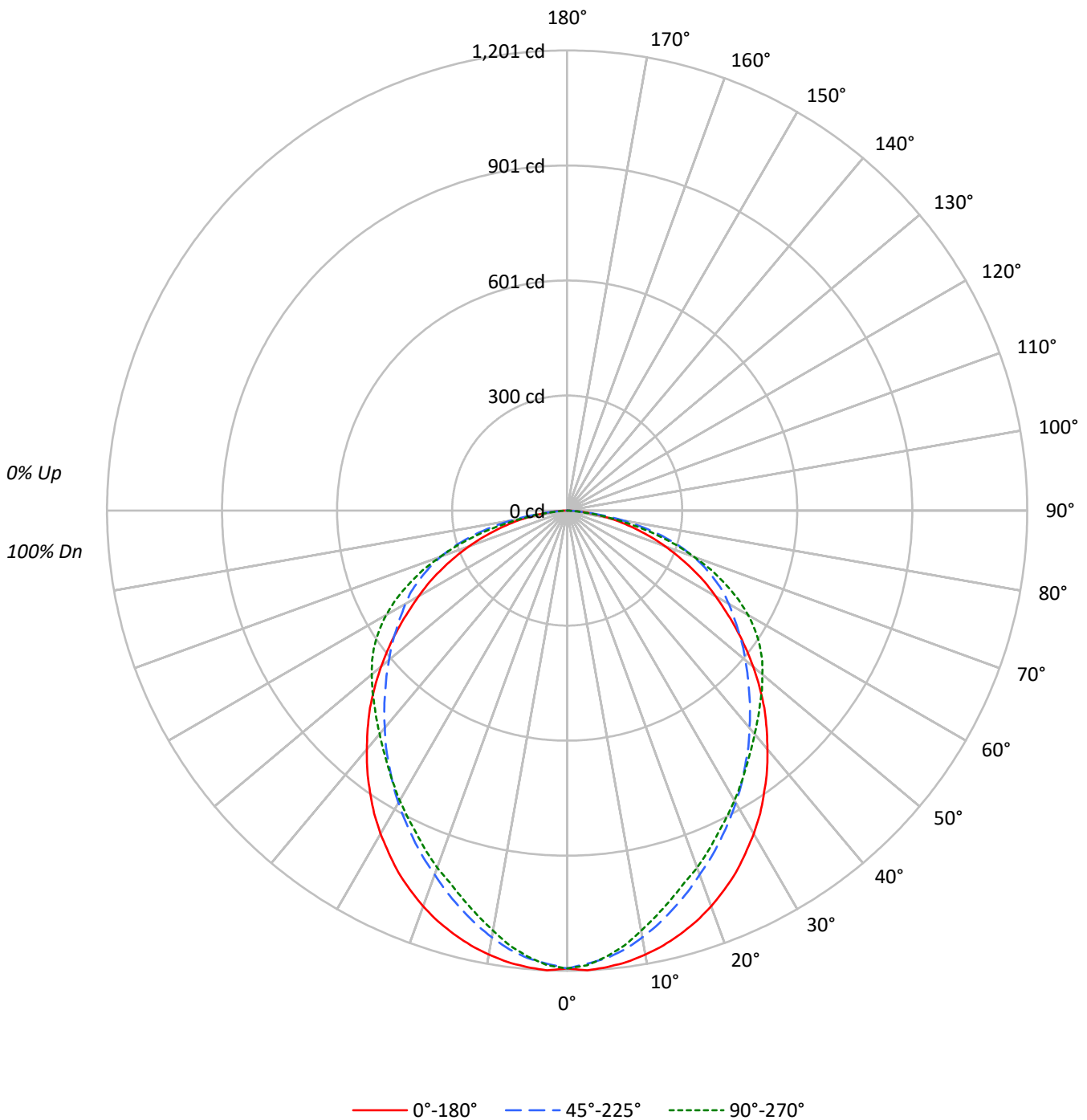
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3125.8 lumens
Efficiency: N/A
Efficacy: 165.4 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°	2144	2144	2144
5°	2154	2112	2105
10°	2144	2061	2028
15°	2124	1996	1950
20°	2098	1931	1894
25°	2063	1875	1841
30°	2017	1825	1810
35°	1964	1775	1785
40°	1905	1734	1783
45°	1846	1705	1807
50°	1770	1693	1857
55°	1686	1704	1920
60°	1607	1748	1958
65°	1528	1802	1941
70°	1428	1841	1845
75°	1282	1786	1652
80°	1122	1517	1227
85°	842	803	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	3.6
10°-20°	306.4	9.8
20°-30°	445.8	14.3
30°-40°	521.4	16.7
40°-50°	535.9	17.1
50°-60°	498.6	16.0
60°-70°	405.6	13.0
70°-80°	245.7	7.9
80°-90°	55.0	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°	863.6	27.6
0°-40°	1385.0	44.3
0°-60°	2419.6	77.4
0°-90°	3125.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3125.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1196	1189	1173	1175	1169	114
15°	1144	1119	1075	1059	1050	323
25°	1042	998	947	938	930	479
35°	897	849	810	816	815	561
45°	728	681	672	702	712	560
55°	539	510	545	600	614	482
65°	360	353	424	458	457	356
75°	185	220	258	246	238	198
85°	41	56	39	28	25	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1194.9	1194.9	1194.9	1194.9	1194.9
2.5°	1201.2	1195.7	1183.9	1190.6	1187.8
5°	1196.1	1189.0	1172.9	1175.3	1169.0
7.5°	1188.6	1178.4	1155.2	1150.5	1145.0
10°	1176.8	1161.9	1131.2	1123.7	1113.5
12.5°	1162.3	1143.0	1104.4	1091.1	1081.6
15°	1143.8	1119.4	1074.9	1058.8	1049.7
17.5°	1123.7	1093.4	1044.2	1027.7	1018.3
20°	1098.9	1064.3	1011.2	997.4	991.9
22.5°	1071.4	1031.6	980.5	968.3	962.0
25°	1042.3	998.2	947.4	938.0	930.1
27.5°	1008.0	963.2	914.0	907.3	901.8
30°	973.8	927.8	881.0	876.2	873.9
32.5°	937.6	887.6	846.3	845.5	844.4
35°	896.7	849.1	810.5	815.6	815.2
37.5°	856.9	808.2	776.7	785.7	787.7
40°	813.3	765.7	740.5	755.8	761.3
42.5°	770.4	724.7	706.6	727.5	736.6
45°	727.5	680.7	672.0	701.5	712.2
47.5°	680.7	638.6	639.4	677.1	689.7
50°	634.3	594.9	606.7	650.8	665.3
52.5°	586.3	552.4	577.2	625.2	641.7
55°	539.0	509.5	544.9	600.4	613.8
57.5°	491.8	468.2	515.4	568.5	581.9
60°	447.8	427.3	487.1	535.5	545.7
62.5°	405.7	389.1	459.2	499.3	504.4
65°	360.0	353.3	424.5	458.4	457.2
67.5°	315.2	316.7	389.1	411.2	409.2
70°	272.3	284.9	351.0	360.0	351.8
72.5°	228.2	251.8	306.5	305.7	297.5
75°	184.9	219.9	257.7	246.3	238.4
77.5°	147.5	185.7	204.6	188.9	176.3
80°	108.6	148.7	146.8	129.1	118.8
82.5°	71.2	103.5	90.9	73.2	68.5
85°	40.9	56.3	39.0	28.3	25.2
87.5°	17.3	15.0	9.8	9.0	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)