

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-65-HE-L830
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

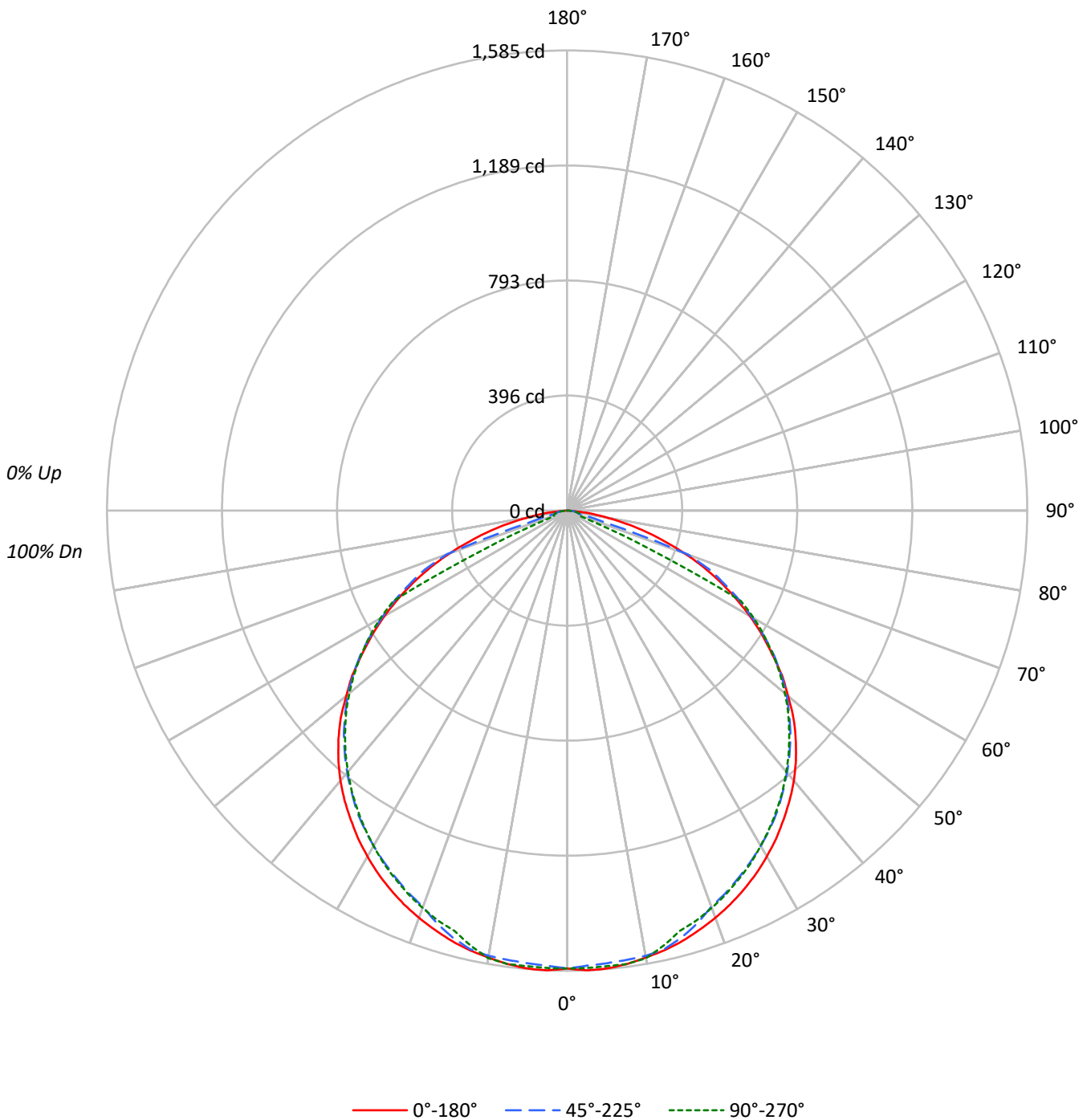
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4341.9 lumens
Efficiency: N/A
Efficacy: 229.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2829	2829	2829
5°	2851	2818	2837
10°	2847	2836	2851
15°	2851	2828	2783
20°	2850	2773	2780
25°	2851	2763	2771
30°	2850	2762	2762
35°	2845	2766	2757
40°	2844	2759	2750
45°	2826	2760	2744
50°	2771	2755	2732
55°	2696	2722	2709
60°	2609	2638	2667
65°	2471	2539	1342
70°	2261	2314	253
75°	1941	279	307
80°	1457	353	353
85°	747	373	331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.5
10°-20°	429.2	9.9
20°-30°	652.5	15.0
30°-40°	794.9	18.3
40°-50°	841.1	19.4
50°-60°	771.5	17.8
60°-70°	520.4	12.0
70°-80°	157.3	3.6
80°-90°	25.2	0.6
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°	1231.6	28.4
0°-40°	2026.5	46.7
0°-60°	3639.1	83.8
0°-90°	4341.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4341.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1583	1571	1565	1579	1575	150
15°	1535	1527	1523	1511	1499	433
25°	1440	1438	1396	1410	1400	664
35°	1299	1271	1263	1267	1259	814
45°	1114	1088	1088	1090	1082	858
55°	862	850	870	870	866	772
65°	582	574	598	606	316	575
75°	280	282	40	44	44	297
85°	36	18	18	16	16	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1577.2	1577.2	1577.2	1577.2	1577.2
2.5°	1585.3	1573.1	1569.2	1579.2	1577.2
5°	1583.2	1571.1	1565.1	1579.2	1575.2
7.5°	1575.2	1563.1	1561.1	1577.2	1575.2
10°	1563.1	1555.0	1557.0	1571.1	1565.1
12.5°	1551.0	1542.9	1547.0	1542.9	1534.9
15°	1534.9	1526.8	1522.8	1510.7	1498.6
17.5°	1514.7	1510.7	1490.6	1486.5	1480.5
20°	1492.6	1492.6	1452.3	1464.4	1456.4
22.5°	1468.4	1468.4	1426.1	1438.2	1430.1
25°	1440.2	1438.2	1395.9	1410.0	1400.0
27.5°	1410.0	1400.0	1365.7	1377.8	1369.7
30°	1375.8	1357.6	1333.5	1341.5	1333.5
32.5°	1339.5	1313.3	1299.2	1305.3	1297.2
35°	1299.2	1271.0	1263.0	1267.0	1258.9
37.5°	1258.9	1228.7	1220.7	1226.7	1218.6
40°	1214.6	1186.4	1178.3	1182.4	1174.4
42.5°	1166.3	1142.1	1134.1	1136.1	1130.0
45°	1113.9	1087.7	1087.7	1089.7	1081.6
47.5°	1057.5	1035.3	1037.4	1039.4	1033.3
50°	993.0	976.9	987.0	989.0	978.9
52.5°	932.6	916.5	928.6	932.6	924.6
55°	862.1	850.0	870.2	870.2	866.1
57.5°	795.7	783.5	803.7	811.8	805.7
60°	727.1	715.1	735.2	749.3	743.2
62.5°	654.6	644.6	668.7	686.8	674.8
65°	582.1	574.0	598.2	606.3	316.2
67.5°	507.6	501.5	529.8	191.4	50.3
70°	431.1	425.0	441.2	48.3	48.3
72.5°	352.5	354.5	141.0	46.4	46.4
75°	280.0	282.0	40.3	44.3	44.3
77.5°	207.5	211.5	38.3	40.3	40.3
80°	141.0	102.8	34.2	34.2	34.2
82.5°	84.6	24.2	26.2	26.2	24.2
85°	36.3	18.1	18.1	16.1	16.1
87.5°	12.1	8.1	8.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)