

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-50-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-50-HE-L950
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

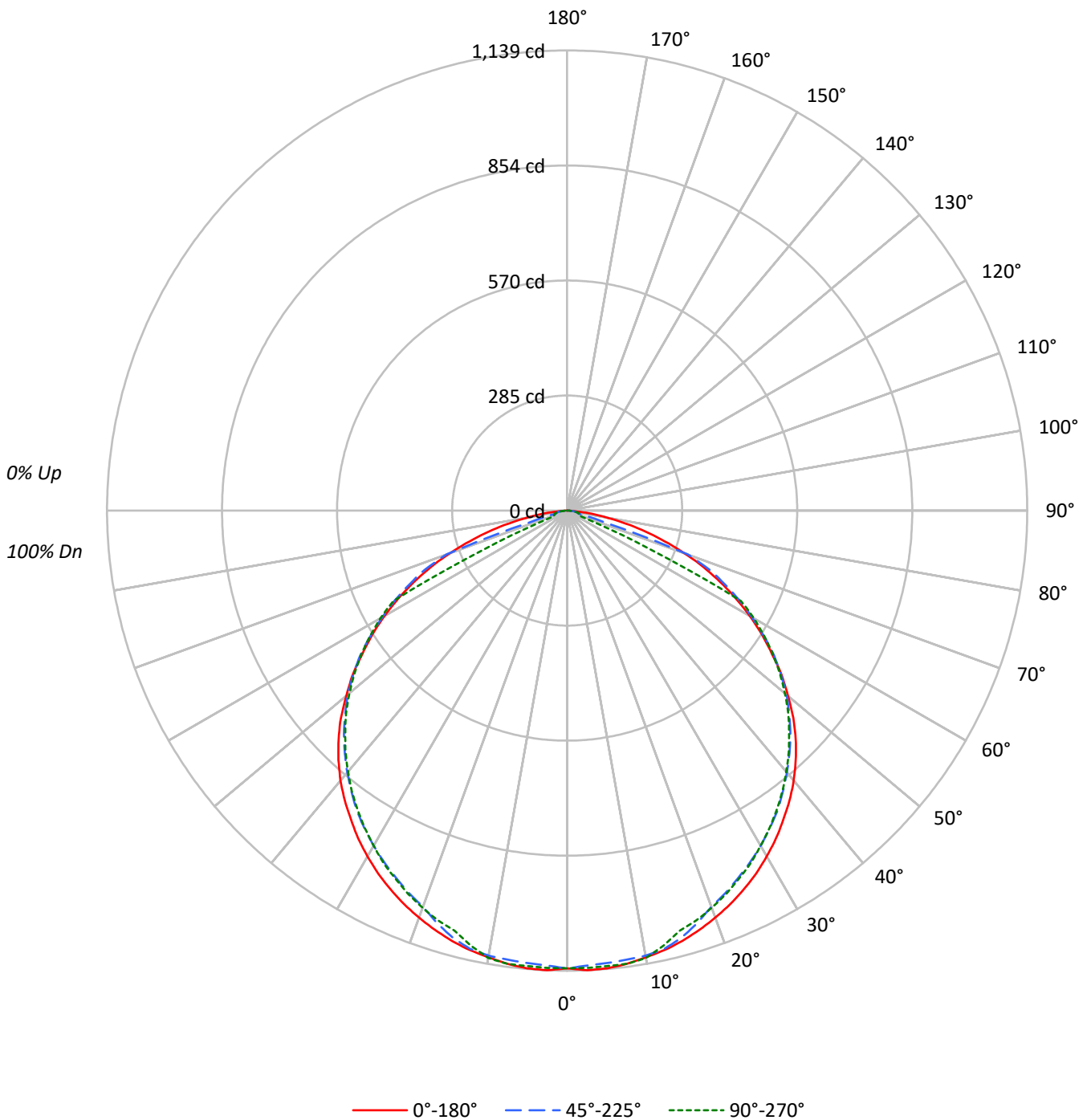
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3119.2 lumens
Efficiency: N/A
Efficacy: 218.1 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): 14.3
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°	2033	2033	2033
5°	2048	2025	2038
10°	2046	2038	2048
15°	2048	2032	2000
20°	2047	1992	1997
25°	2048	1985	1991
30°	2047	1984	1984
35°	2044	1987	1981
40°	2044	1982	1976
45°	2030	1982	1971
50°	1991	1979	1963
55°	1937	1955	1946
60°	1874	1895	1916
65°	1775	1824	964
70°	1624	1662	182
75°	1395	200	220
80°	1047	254	254
85°	535	268	239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	3.5
10°-20°	308.4	9.9
20°-30°	468.8	15.0
30°-40°	571.0	18.3
40°-50°	604.2	19.4
50°-60°	554.2	17.8
60°-70°	373.8	12.0
70°-80°	113.0	3.6
80°-90°	18.1	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°	884.8	28.4
0°-40°	1455.8	46.7
0°-60°	2614.3	83.8
0°-90°	3119.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3119.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1137	1129	1124	1134	1132	108
15°	1103	1097	1094	1085	1077	311
25°	1035	1033	1003	1013	1006	477
35°	933	913	907	910	904	584
45°	800	781	781	783	777	616
55°	619	611	625	625	622	554
65°	418	412	430	436	227	413
75°	201	203	29	32	32	213
85°	26	13	13	12	12	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.0	1133.0	1133.0	1133.0	1133.0
2.5°	1138.8	1130.1	1127.2	1134.5	1133.0
5°	1137.4	1128.7	1124.3	1134.5	1131.6
7.5°	1131.6	1122.9	1121.5	1133.0	1131.6
10°	1122.9	1117.1	1118.5	1128.7	1124.3
12.5°	1114.2	1108.4	1111.3	1108.4	1102.6
15°	1102.6	1096.8	1094.0	1085.3	1076.6
17.5°	1088.2	1085.3	1070.8	1067.9	1063.6
20°	1072.2	1072.2	1043.3	1052.0	1046.2
22.5°	1054.9	1054.9	1024.5	1033.2	1027.4
25°	1034.6	1033.2	1002.8	1012.9	1005.7
27.5°	1012.9	1005.7	981.1	989.8	984.0
30°	988.3	975.3	957.9	963.7	957.9
32.5°	962.3	943.5	933.3	937.7	931.9
35°	933.3	913.1	907.3	910.2	904.4
37.5°	904.4	882.7	876.9	881.2	875.4
40°	872.6	852.3	846.5	849.4	843.6
42.5°	837.8	820.5	814.7	816.1	811.8
45°	800.2	781.4	781.4	782.8	777.0
47.5°	759.7	743.8	745.2	746.7	742.3
50°	713.4	701.8	709.0	710.5	703.3
52.5°	670.0	658.4	667.1	670.0	664.2
55°	619.3	610.6	625.1	625.1	622.2
57.5°	571.6	562.9	577.4	583.2	578.8
60°	522.4	513.7	528.1	538.3	533.9
62.5°	470.3	463.0	480.4	493.4	484.8
65°	418.2	412.4	429.7	435.5	227.2
67.5°	364.7	360.3	380.6	137.5	36.2
70°	309.7	305.3	316.9	34.7	34.7
72.5°	253.2	254.7	101.3	33.3	33.3
75°	201.2	202.6	28.9	31.8	31.8
77.5°	149.1	151.9	27.5	28.9	28.9
80°	101.3	73.8	24.6	24.6	24.6
82.5°	60.8	17.4	18.8	18.8	17.4
85°	26.0	13.0	13.0	11.6	11.6
87.5°	8.7	5.8	5.8	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)