

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-L850**

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-L850
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

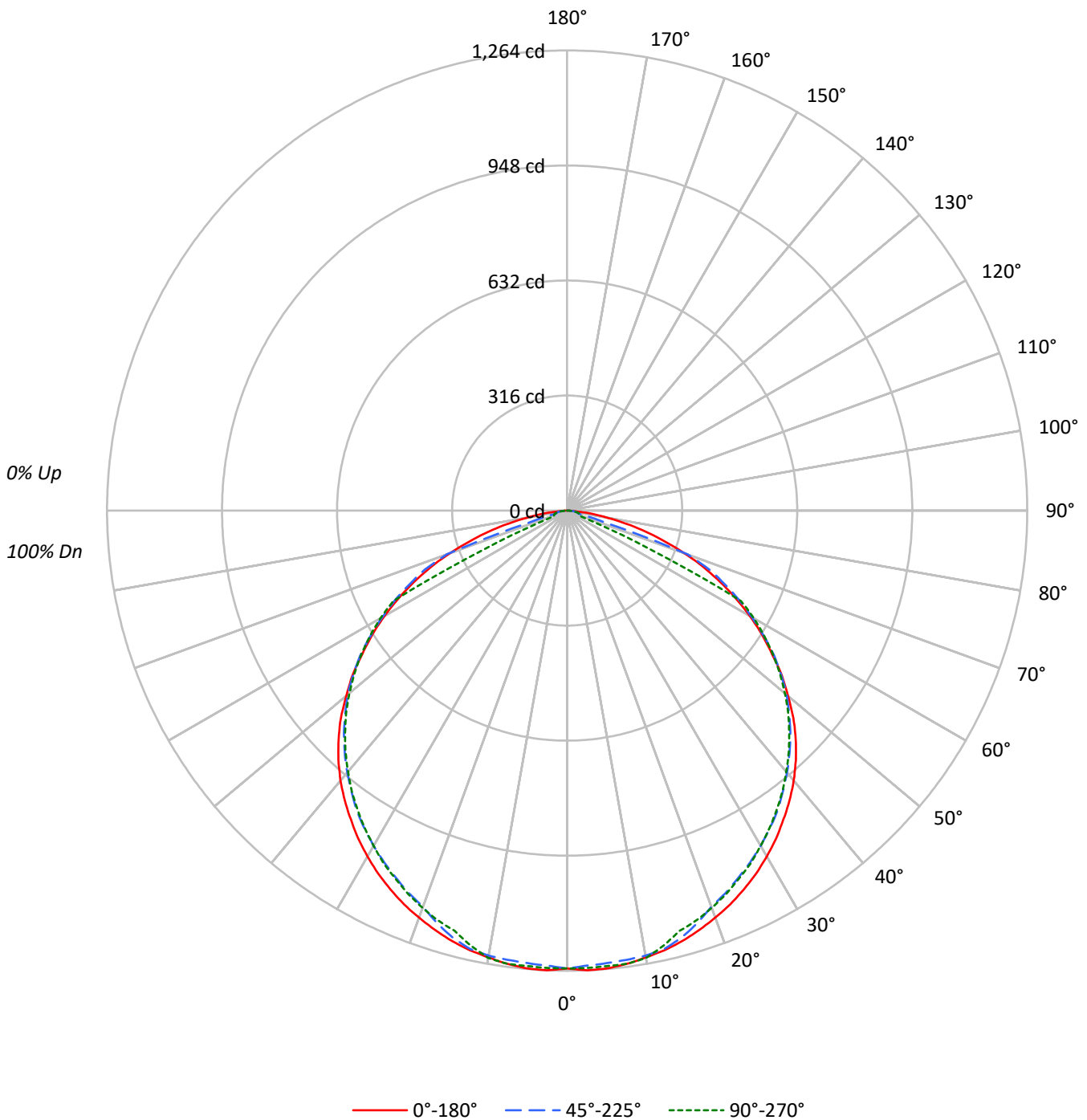
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3461.9 lumens
Efficiency: N/A
Efficacy: 242.1 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°	2256	2256	2256
5°	2273	2247	2262
10°	2270	2261	2273
15°	2273	2255	2219
20°	2272	2211	2217
25°	2273	2203	2209
30°	2272	2202	2202
35°	2269	2205	2198
40°	2268	2200	2193
45°	2253	2200	2188
50°	2210	2196	2178
55°	2150	2170	2160
60°	2080	2103	2126
65°	1970	2025	1070
70°	1803	1845	202
75°	1548	222	245
80°	1161	282	282
85°	595	296	263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	3.5
10°-20°	342.2	9.9
20°-30°	520.3	15.0
30°-40°	633.8	18.3
40°-50°	670.6	19.4
50°-60°	615.1	17.8
60°-70°	414.9	12.0
70°-80°	125.4	3.6
80°-90°	20.0	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°	982.0	28.4
0°-40°	1615.8	46.7
0°-60°	2901.5	83.8
0°-90°	3461.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3461.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1262	1253	1248	1259	1256	120
15°	1224	1217	1214	1204	1195	345
25°	1148	1147	1113	1124	1116	530
35°	1036	1013	1007	1010	1004	649
45°	888	867	867	869	862	684
55°	687	678	694	694	691	615
65°	464	458	477	483	252	458
75°	223	225	32	35	35	237
85°	29	14	14	13	13	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.5	1257.5	1257.5	1257.5	1257.5
2.5°	1264.0	1254.3	1251.1	1259.1	1257.5
5°	1262.3	1252.7	1247.9	1259.1	1255.9
7.5°	1255.9	1246.3	1244.7	1257.5	1255.9
10°	1246.3	1239.8	1241.4	1252.7	1247.9
12.5°	1236.6	1230.2	1233.4	1230.2	1223.8
15°	1223.8	1217.4	1214.2	1204.5	1194.9
17.5°	1207.7	1204.5	1188.5	1185.2	1180.4
20°	1190.0	1190.0	1157.9	1167.6	1161.2
22.5°	1170.8	1170.8	1137.1	1146.7	1140.3
25°	1148.3	1146.7	1113.0	1124.2	1116.2
27.5°	1124.2	1116.2	1088.9	1098.5	1092.1
30°	1096.9	1082.5	1063.2	1069.6	1063.2
32.5°	1068.0	1047.1	1035.9	1040.7	1034.3
35°	1035.9	1013.4	1007.0	1010.2	1003.7
37.5°	1003.7	979.7	973.2	978.0	971.6
40°	968.4	945.9	939.5	942.8	936.3
42.5°	929.9	910.6	904.2	905.8	901.0
45°	888.1	867.3	867.3	868.8	862.4
47.5°	843.1	825.5	827.1	828.7	823.9
50°	791.7	778.9	787.0	788.6	780.5
52.5°	743.6	730.8	740.4	743.6	737.2
55°	687.4	677.7	693.8	693.8	690.6
57.5°	634.4	624.7	640.8	647.2	642.4
60°	579.8	570.2	586.2	597.4	592.6
62.5°	521.9	513.9	533.2	547.6	538.0
65°	464.1	457.7	477.0	483.4	252.1
67.5°	404.7	399.9	422.4	152.6	40.1
70°	343.7	338.9	351.7	38.5	38.5
72.5°	281.1	282.7	112.4	37.0	37.0
75°	223.3	224.8	32.1	35.3	35.3
77.5°	165.4	168.6	30.5	32.1	32.1
80°	112.4	81.9	27.3	27.3	27.3
82.5°	67.5	19.3	20.9	20.9	19.3
85°	28.9	14.4	14.4	12.8	12.8
87.5°	9.6	6.4	6.4	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)