

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: **4RSRK-TS-100-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-100-HE-L950
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

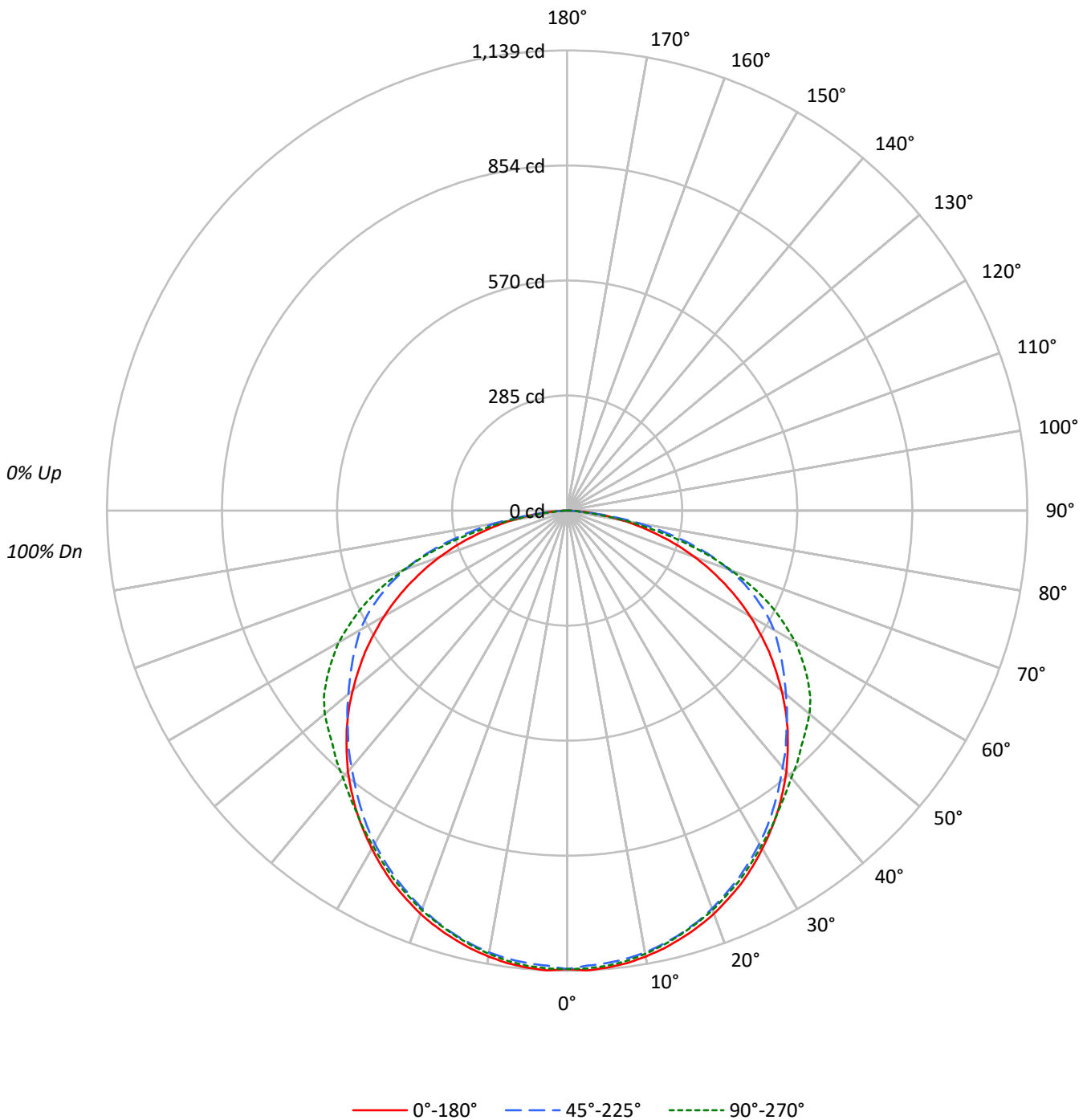
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3054	3054	3054
5°	3067	3038	3056
10°	3063	3036	3044
15°	3053	3022	3027
20°	3042	3003	3013
25°	3026	2981	2999
30°	3003	2958	2982
35°	2986	2934	2990
40°	2965	2916	3032
45°	2938	2921	3124
50°	2901	2960	3278
55°	2863	3044	3409
60°	2814	3182	3515
65°	2744	3289	3543
70°	2639	3362	3405
75°	2431	3252	3042
80°	2154	2799	2334
85°	1550	1417	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	3.1
10°-20°	307.6	8.8
20°-30°	465.7	13.3
30°-40°	564.9	16.2
40°-50°	604.3	17.3
50°-60°	585.7	16.8
60°-70°	490.5	14.0
70°-80°	301.4	8.6
80°-90°	66.6	1.9
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°	880.8	25.2
0°-40°	1445.6	41.4
0°-60°	2635.5	75.4
0°-90°	3494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1135	1135	1135	1135	1135	
5°	1136	1133	1124	1132	1131	108
15°	1096	1093	1085	1090	1086	309
25°	1019	1013	1004	1011	1010	469
35°	909	897	893	908	910	568
45°	772	755	768	807	821	595
55°	610	594	649	713	727	545
65°	431	428	517	552	556	426
75°	234	273	313	299	293	249
85°	50	67	46	32	30	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1134.9	1134.9	1134.9	1134.9	1134.9
2.5°	1139.2	1136.1	1127.6	1134.9	1134.3
5°	1135.5	1133.1	1124.5	1131.8	1131.2
7.5°	1130.0	1127.6	1119.0	1126.3	1124.5
10°	1120.8	1119.0	1111.0	1116.5	1114.1
12.5°	1109.8	1108.0	1098.8	1104.9	1101.8
15°	1095.7	1093.3	1084.7	1089.6	1086.5
17.5°	1079.8	1076.7	1068.2	1073.1	1070.0
20°	1062.1	1057.8	1048.6	1055.3	1052.3
22.5°	1040.6	1037.6	1026.5	1033.9	1030.8
25°	1019.2	1013.1	1003.9	1010.6	1010.0
27.5°	993.5	987.4	978.2	986.1	984.9
30°	966.6	959.8	951.9	959.8	959.8
32.5°	938.4	929.8	923.7	932.9	936.0
35°	909.0	897.4	893.1	908.4	910.2
37.5°	876.6	864.9	861.3	881.5	886.4
40°	844.1	829.4	830.1	855.8	863.1
42.5°	808.0	793.3	800.1	830.1	843.5
45°	771.9	755.4	767.6	806.8	820.9
47.5°	733.9	718.0	738.2	784.1	801.9
50°	692.9	677.0	707.0	762.7	782.9
52.5°	651.3	634.8	677.0	740.7	759.0
55°	610.3	593.8	648.9	713.1	726.6
57.5°	566.2	552.1	619.5	677.0	690.5
60°	522.8	510.5	591.3	640.3	653.1
62.5°	478.1	468.9	557.0	598.1	605.4
65°	430.9	428.5	516.6	551.5	556.4
67.5°	383.8	389.9	475.0	497.7	498.3
70°	335.4	352.0	427.3	437.1	432.8
72.5°	286.5	315.2	374.6	369.7	366.1
75°	233.8	273.0	312.8	299.3	292.6
77.5°	186.1	230.2	246.7	227.7	217.3
80°	139.0	181.8	180.6	156.1	150.6
82.5°	93.7	126.7	108.3	88.1	77.1
85°	50.2	67.3	45.9	31.8	30.0
87.5°	19.0	15.9	12.2	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)