

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-L940**

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-L940
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

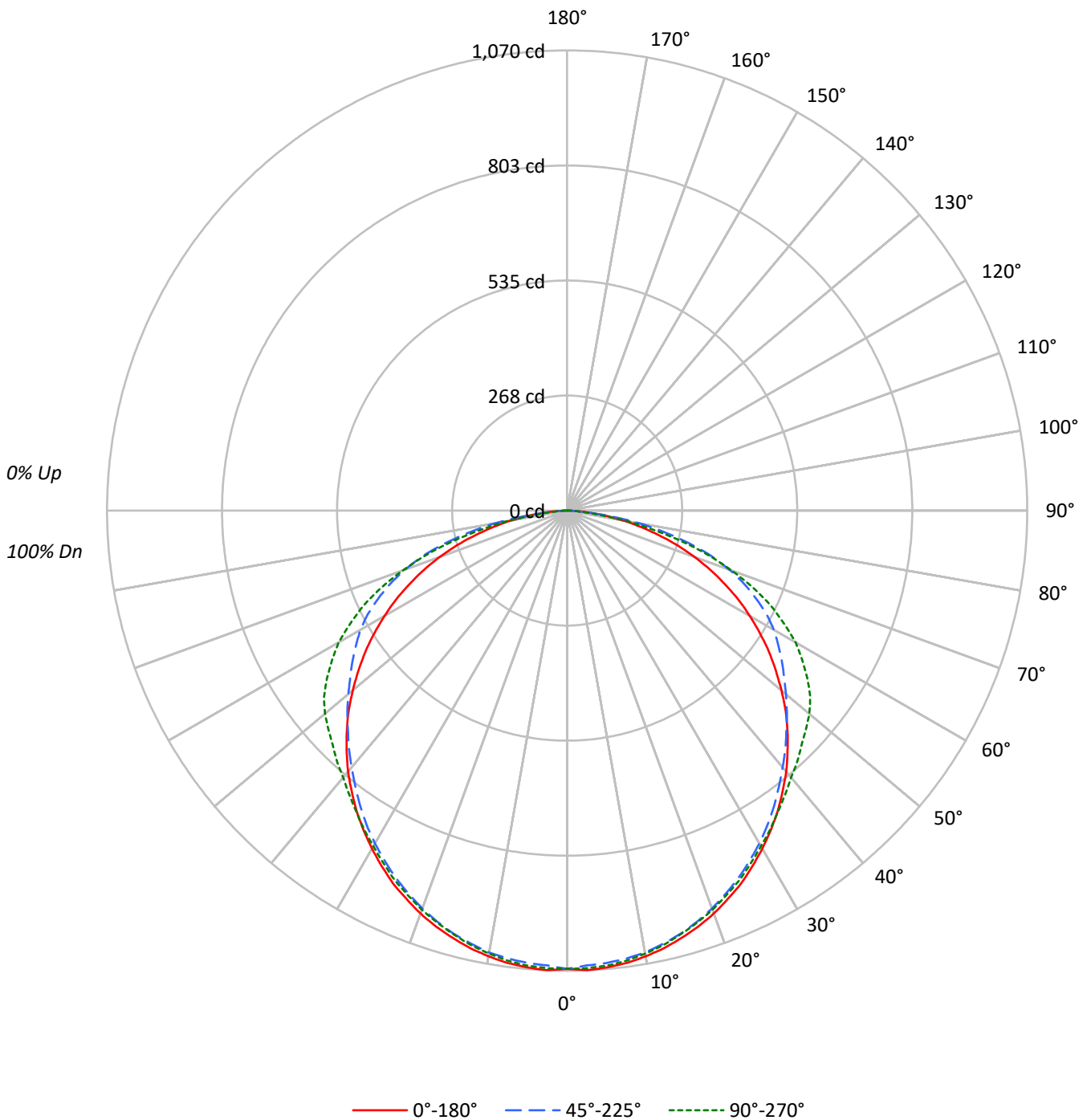
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3280.7 lumens
Efficiency: N/A
Efficacy: 113.9 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°	2868	2868	2868
5°	2880	2852	2869
10°	2876	2851	2858
15°	2866	2837	2842
20°	2856	2820	2829
25°	2841	2799	2816
30°	2820	2777	2800
35°	2804	2755	2808
40°	2784	2738	2847
45°	2758	2743	2933
50°	2724	2779	3077
55°	2688	2859	3201
60°	2642	2988	3301
65°	2576	3089	3327
70°	2478	3157	3198
75°	2283	3054	2856
80°	2022	2628	2191
85°	1454	1331	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	3.1
10°-20°	288.8	8.8
20°-30°	437.3	13.3
30°-40°	530.4	16.2
40°-50°	567.4	17.3
50°-60°	549.9	16.8
60°-70°	460.6	14.0
70°-80°	283.0	8.6
80°-90°	62.5	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°	827.0	25.2
0°-40°	1357.4	41.4
0°-60°	2474.7	75.4
0°-90°	3280.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3280.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1066	1066	1066	1066	1066	
5°	1066	1064	1056	1063	1062	101
15°	1029	1026	1018	1023	1020	290
25°	957	951	943	949	948	441
35°	854	843	839	853	855	534
45°	725	709	721	758	771	559
55°	573	558	609	670	682	512
65°	405	402	485	518	522	400
75°	220	256	294	281	275	234
85°	47	63	43	30	28	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1065.6	1065.6	1065.6	1065.6	1065.6
2.5°	1069.6	1066.8	1058.7	1065.6	1065.0
5°	1066.2	1063.9	1055.8	1062.7	1062.2
7.5°	1061.0	1058.7	1050.7	1057.6	1055.8
10°	1052.4	1050.7	1043.2	1048.4	1046.1
12.5°	1042.1	1040.3	1031.7	1037.5	1034.6
15°	1028.8	1026.5	1018.5	1023.1	1020.2
17.5°	1013.9	1011.0	1003.0	1007.6	1004.7
20°	997.2	993.2	984.6	990.9	988.0
22.5°	977.1	974.2	963.9	970.8	967.9
25°	957.0	951.2	942.6	948.9	948.4
27.5°	932.8	927.1	918.5	925.9	924.8
30°	907.6	901.2	893.8	901.2	901.2
32.5°	881.1	873.1	867.3	875.9	878.8
35°	853.5	842.6	838.6	853.0	854.7
37.5°	823.1	812.1	808.7	827.7	832.3
40°	792.6	778.8	779.4	803.5	810.4
42.5°	758.7	744.9	751.2	779.4	792.0
45°	724.8	709.3	720.8	757.5	770.8
47.5°	689.1	674.2	693.2	736.3	752.9
50°	650.6	635.7	663.9	716.2	735.1
52.5°	611.6	596.0	635.7	695.5	712.7
55°	573.0	557.5	609.3	669.6	682.2
57.5°	531.7	518.4	581.7	635.7	648.3
60°	490.9	479.4	555.2	601.2	613.3
62.5°	448.9	440.3	523.0	561.5	568.4
65°	404.6	402.3	485.1	517.9	522.5
67.5°	360.4	366.1	446.0	467.3	467.9
70°	315.0	330.5	401.2	410.4	406.4
72.5°	269.0	296.0	351.8	347.2	343.7
75°	219.6	256.3	293.7	281.1	274.7
77.5°	174.7	216.1	231.6	213.8	204.0
80°	130.5	170.7	169.6	146.6	141.4
82.5°	87.9	119.0	101.7	82.8	72.4
85°	47.1	63.2	43.1	29.9	28.2
87.5°	17.8	14.9	11.5	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)