

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: P289654

Luminaire Tested: **4SSRK-30-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-30-L940-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2859.8 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

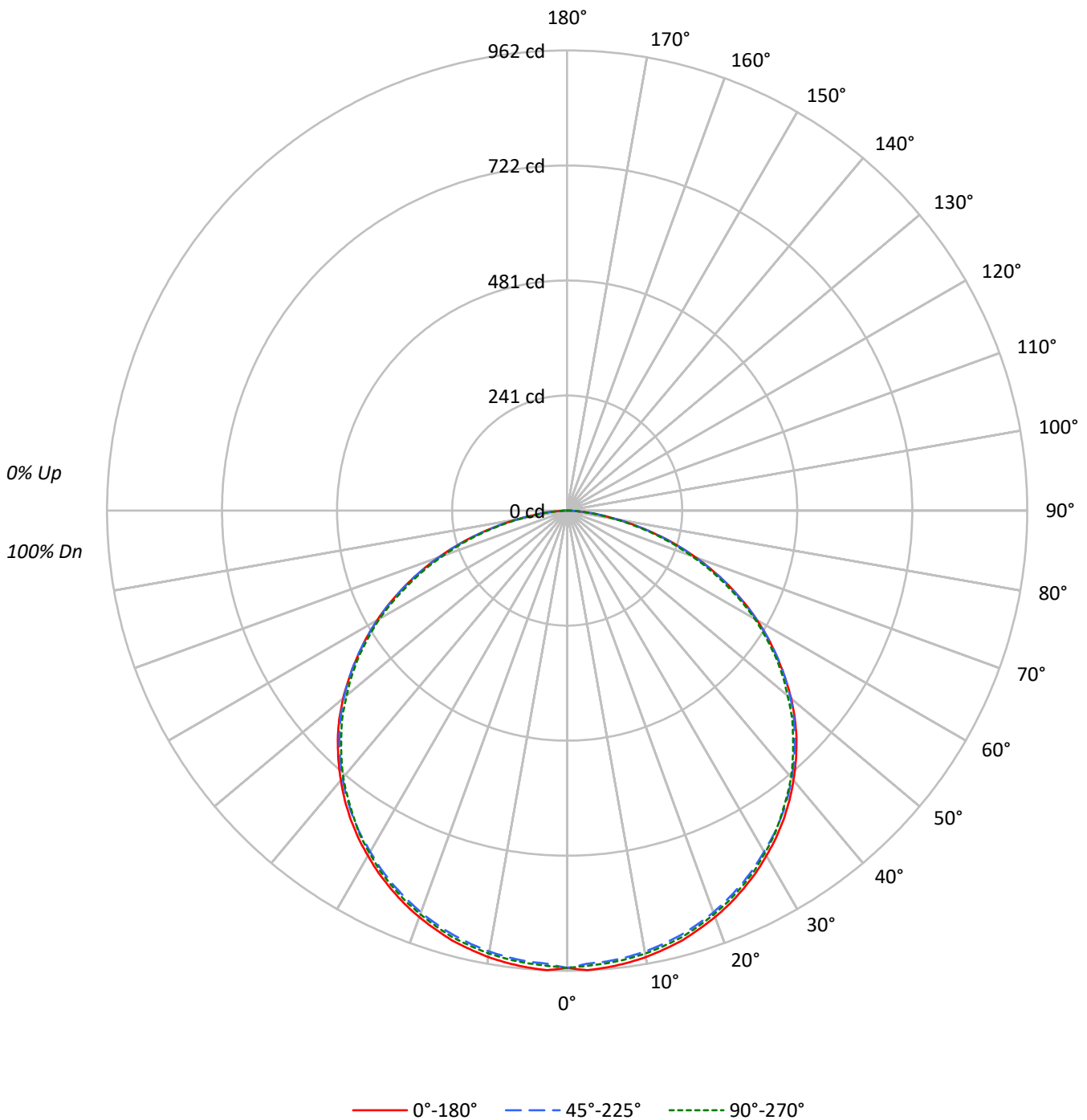
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61748	61748	61748
5°	61920	49062	45627
10°	61709	40815	36164
15°	61514	34787	29810
20°	61236	30110	25128
25°	60968	26336	21543
30°	60675	23171	18627
35°	60412	20517	16167
40°	59962	18129	14098
45°	59465	15945	12200
50°	58542	13897	10481
55°	57015	11901	8910
60°	55284	9962	7379
65°	52507	8030	5827
70°	48610	6067	4351
75°	42002	4148	2944
80°	32249	2317	1589
85°	19225	836	523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	3.2
10°-20°	261.1	9.1
20°-30°	400.1	14.0
30°-40°	490.4	17.1
40°-50°	519.5	18.2
50°-60°	479.0	16.8
60°-70°	368.1	12.9
70°-80°	204.0	7.1
80°-90°	46.9	1.6
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°	751.7	26.3
0°-40°	1242.1	43.4
0°-60°	2240.7	78.4
0°-90°	2859.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	959	954	946	955	950	91
15°	930	926	919	927	924	263
25°	872	869	862	871	866	402
35°	789	785	781	784	779	493
45°	678	676	674	673	668	523
55°	536	541	537	535	531	480
65°	374	375	375	370	365	370
75°	194	195	194	191	188	206
85°	38	39	38	36	33	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.1	956.1	956.1	956.1	956.1
2.5°	961.7	957.0	948.2	957.0	952.6
5°	958.6	954.5	946.0	955.1	950.1
7.5°	954.2	950.7	942.2	951.0	946.0
10°	947.9	944.1	936.0	945.4	940.4
12.5°	939.4	936.0	928.1	936.9	932.5
15°	930.3	925.9	918.7	926.8	923.7
17.5°	917.7	914.3	907.0	914.9	911.4
20°	904.5	901.1	893.8	901.7	897.9
22.5°	889.4	886.0	878.4	886.9	883.2
25°	872.2	869.0	862.1	870.9	866.2
27.5°	853.9	851.4	843.9	851.1	848.3
30°	833.2	831.6	823.4	829.1	826.6
32.5°	812.1	809.3	803.6	808.0	805.5
35°	788.6	784.8	781.0	783.8	779.4
37.5°	763.4	760.9	756.8	759.3	754.3
40°	736.1	733.9	730.7	731.4	728.5
42.5°	707.8	705.3	702.8	701.5	698.4
45°	678.2	676.0	673.5	672.6	667.9
47.5°	646.2	644.6	643.0	640.8	637.4
50°	611.6	612.2	609.4	607.5	601.6
52.5°	574.5	578.3	574.2	571.4	567.9
55°	536.5	540.6	537.1	534.9	531.2
57.5°	498.8	500.7	498.5	496.9	491.9
60°	458.9	460.4	458.9	455.4	452.9
62.5°	417.7	419.6	416.4	413.9	410.5
65°	374.3	375.3	374.6	369.6	365.2
67.5°	330.6	332.2	330.3	326.9	322.5
70°	286.9	286.0	284.4	281.9	276.3
72.5°	240.7	240.7	240.4	235.7	232.9
75°	194.5	194.9	193.9	190.8	187.9
77.5°	148.3	151.8	149.3	146.1	143.0
80°	107.2	109.4	107.2	103.1	101.2
82.5°	68.5	71.7	69.8	65.7	65.1
85°	38.3	39.0	38.0	36.1	33.0
87.5°	14.5	15.1	15.4	12.6	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)