

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: P290095

Luminaire Tested: **4SSRK-LN-30-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LN-30-L950-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2846.2 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

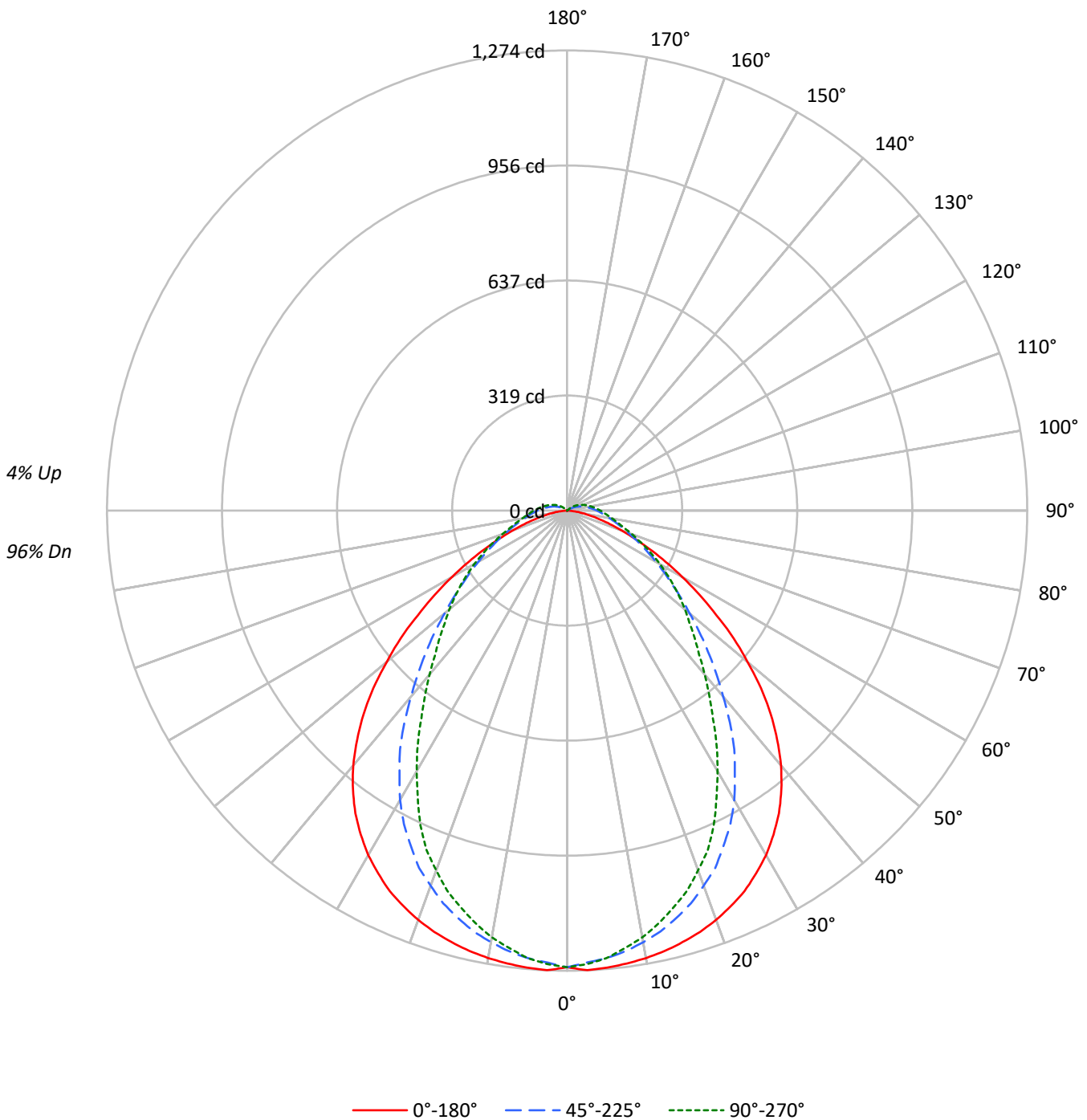
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81652	81652	81652
5°	82054	64527	59751
10°	81891	52911	46147
15°	81781	44223	36716
20°	81647	37234	29667
25°	81260	31291	23901
30°	80192	26036	18760
35°	78338	21200	14601
40°	75065	16693	11472
45°	69908	13045	9117
50°	62477	10084	7424
55°	53604	7846	6030
60°	44394	6154	4849
65°	35126	4843	3829
70°	27109	3833	3010
75°	19954	3114	2397
80°	13989	2568	1986
85°	8081	2166	1694



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	4.2
10°-20°	332.4	11.7
20°-30°	479.0	16.8
30°-40°	518.9	18.2
40°-50°	459.6	16.1
50°-60°	349.7	12.3
60°-70°	233.0	8.2
70°-80°	143.9	5.1
80°-90°	90.2	3.2
90°-100°	59.3	2.1
100°-110°	36.3	1.3
110°-120°	18.7	0.7
120°-130°	6.2	0.2
130°-140°	0.4	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°	930.1	32.7
0°-40°	1449.0	50.9
0°-60°	2258.2	79.3
0°-90°	2725.3	95.8
90°-120°	114.3	4.0
90°-150°	120.8	4.2
90°-180°	121.0	4.3
0°-180°	2846.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1270	1262	1244	1249	1244	121
15°	1237	1213	1168	1152	1138	349
25°	1162	1108	1024	980	961	535
35°	1023	927	807	731	704	637
45°	797	672	551	509	499	612
55°	504	412	354	358	360	453
65°	250	220	226	239	240	253
75°	92	112	146	155	153	102
85°	16	58	98	108	107	20
90°	1	42	82	92	92	1
95°	2	30	68	79	78	1
105°	1	12	42	54	56	1
115°	1	1	22	34	37	1
125°	1	1	1	15	18	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.3	1264.3	1264.3	1264.3	1264.3
2.5°	1273.6	1266.6	1252.2	1260.6	1256.6
5°	1270.3	1262.3	1244.2	1248.9	1244.2
7.5°	1264.9	1254.9	1230.8	1232.8	1221.7
10°	1257.9	1244.5	1213.4	1210.0	1200.0
12.5°	1248.9	1230.1	1193.6	1180.2	1170.5
15°	1236.8	1213.4	1167.9	1152.1	1137.7
17.5°	1223.1	1193.0	1140.1	1121.0	1103.9
20°	1206.0	1168.2	1105.3	1078.8	1060.1
22.5°	1185.3	1141.1	1070.8	1032.3	1017.2
25°	1162.5	1107.9	1024.3	980.4	961.0
27.5°	1132.7	1071.5	978.4	923.5	895.7
30°	1101.2	1028.3	925.2	861.9	832.5
32.5°	1063.4	981.1	863.6	796.3	770.2
35°	1022.6	926.9	807.0	731.0	703.9
37.5°	974.4	868.3	739.7	670.1	646.4
40°	921.5	804.7	672.8	611.5	592.8
42.5°	861.2	740.1	609.9	557.0	540.9
45°	797.3	672.5	551.0	509.1	499.1
47.5°	727.7	604.8	495.7	465.9	458.6
50°	652.7	537.2	442.2	425.8	426.1
52.5°	581.4	473.3	396.7	392.3	391.3
55°	504.4	411.7	354.1	358.5	359.5
57.5°	434.8	354.5	318.0	326.0	327.0
60°	368.5	303.3	283.5	295.9	297.6
62.5°	307.9	259.4	254.1	266.8	266.4
65°	250.4	219.6	225.9	239.0	240.0
67.5°	201.5	187.1	202.5	213.9	213.2
70°	160.0	158.0	179.7	191.8	191.1
72.5°	124.5	133.6	162.0	172.4	169.7
75°	92.4	112.5	145.6	155.3	153.0
77.5°	67.9	95.1	131.2	140.6	138.9
80°	46.5	80.7	118.8	128.5	126.5
82.5°	29.8	68.6	108.1	117.5	116.1
85°	16.1	57.9	98.4	108.5	106.8
87.5°	6.0	49.2	89.7	99.7	99.1
90°	0.7	42.2	82.0	92.4	91.7
92.5°	1.0	35.8	74.6	85.4	85.4
95°	1.7	29.8	67.9	78.7	78.3
97.5°	1.3	25.1	60.6	72.3	72.3
100°	1.3	20.8	53.9	65.6	66.3
102.5°	1.3	16.4	48.2	59.6	60.9
105°	1.0	11.7	42.5	54.2	55.6
107.5°	1.0	6.7	36.8	49.2	50.9
110°	1.0	1.7	31.8	43.8	45.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	1.0	26.8	38.8	40.8
115°	1.0	1.0	21.8	33.8	36.8
117.5°	0.7	0.7	16.1	29.5	32.1
120°	0.7	0.7	10.0	24.8	27.4
122.5°	0.7	0.7	4.4	19.7	23.4
125°	0.7	0.7	0.7	14.7	18.4
127.5°	0.7	0.7	0.3	8.7	13.1
130°	0.7	0.7	0.3	3.3	8.0
132.5°	0.7	0.7	0.3	0.3	2.3
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)