

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: P289657

Luminaire Tested: **4SSRK-30-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289657
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-L835-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3324.0 lumens
Efficiency: N/A
Efficacy: 162.9 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

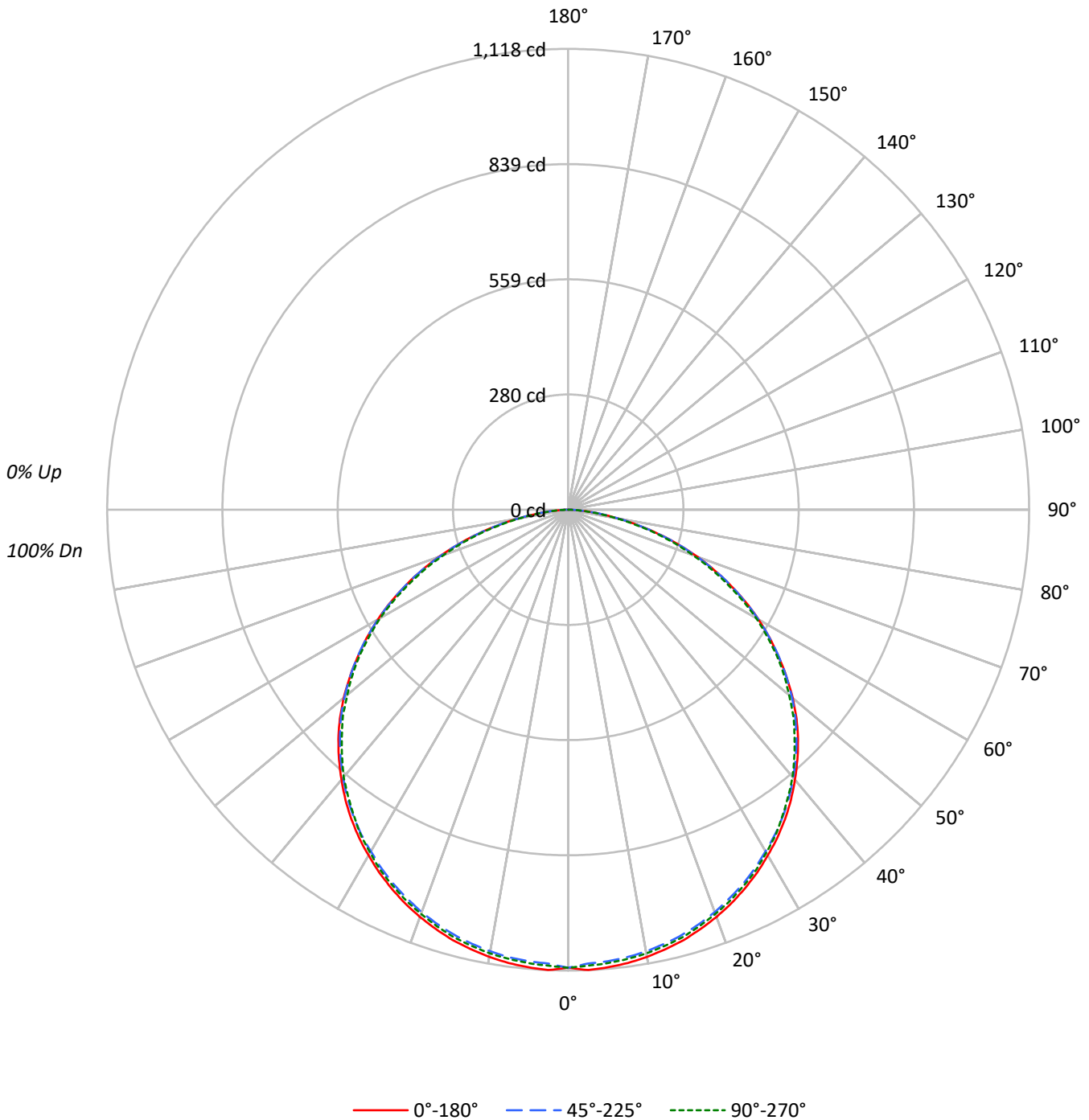
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	71771	71771	71771
5°	71971	57028	53033
10°	71728	47438	42032
15°	71499	40433	34647
20°	71181	34998	29208
25°	70859	30610	25040
30°	70521	26934	21651
35°	70217	23849	18793
40°	69688	21072	16388
45°	69119	18535	14181
50°	68047	16152	12182
55°	66272	13833	10356
60°	64248	11577	8576
65°	61036	9334	6773
70°	56505	7052	5057
75°	48826	4821	3423
80°	37484	2693	1847
85°	22387	973	609



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	3.2
10°-20°	303.4	9.1
20°-30°	465.0	14.0
30°-40°	570.0	17.1
40°-50°	603.9	18.2
50°-60°	556.8	16.8
60°-70°	427.9	12.9
70°-80°	237.2	7.1
80°-90°	54.5	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°	873.8	26.3
0°-40°	1443.8	43.4
0°-60°	2604.4	78.4
0°-90°	3324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1111	1111	1111	1111	1111	
5°	1114	1109	1100	1110	1104	106
15°	1081	1076	1068	1077	1074	305
25°	1014	1010	1002	1012	1007	468
35°	917	912	908	911	906	573
45°	788	786	783	782	776	607
55°	624	628	624	622	617	558
65°	435	436	435	430	424	430
75°	226	226	225	222	218	239
85°	45	45	44	42	38	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1111.3	1111.3	1111.3	1111.3	1111.3
2.5°	1117.8	1112.4	1102.1	1112.4	1107.2
5°	1114.2	1109.4	1099.6	1110.2	1104.3
7.5°	1109.1	1105.1	1095.2	1105.4	1099.6
10°	1101.8	1097.4	1087.9	1098.8	1093.0
12.5°	1091.9	1087.9	1078.8	1089.0	1083.9
15°	1081.3	1076.2	1067.8	1077.3	1073.6
17.5°	1066.7	1062.7	1054.3	1063.4	1059.4
20°	1051.4	1047.3	1038.9	1048.1	1043.7
22.5°	1033.8	1029.8	1021.0	1030.9	1026.5
25°	1013.7	1010.1	1002.0	1012.3	1006.8
27.5°	992.5	989.6	980.8	989.3	986.0
30°	968.4	966.6	957.1	963.7	960.8
32.5°	944.0	940.7	934.1	939.2	936.3
35°	916.6	912.2	907.8	911.1	906.0
37.5°	887.3	884.4	879.7	882.6	876.7
40°	855.5	853.0	849.3	850.1	846.8
42.5°	822.7	819.7	816.8	815.4	811.7
45°	788.3	785.8	782.9	781.8	776.3
47.5°	751.1	749.2	747.4	744.9	740.8
50°	710.9	711.6	708.3	706.1	699.2
52.5°	667.8	672.2	667.4	664.1	660.1
55°	623.6	628.3	624.3	621.8	617.4
57.5°	579.7	581.9	579.4	577.6	571.7
60°	533.3	535.2	533.3	529.3	526.4
62.5°	485.5	487.7	484.0	481.1	477.1
65°	435.1	436.2	435.4	429.6	424.5
67.5°	384.3	386.1	383.9	379.9	374.8
70°	333.5	332.4	330.6	327.7	321.1
72.5°	279.8	279.8	279.5	274.0	270.7
75°	226.1	226.5	225.4	221.7	218.5
77.5°	172.4	176.4	173.5	169.9	166.2
80°	124.6	127.1	124.6	119.8	117.6
82.5°	79.6	83.3	81.1	76.3	75.6
85°	44.6	45.3	44.2	42.0	38.4
87.5°	16.8	17.5	17.9	14.6	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)