

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: P289908

Luminaire Tested: **4SSRK-LW-20-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LW-20-L930-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1446.2 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

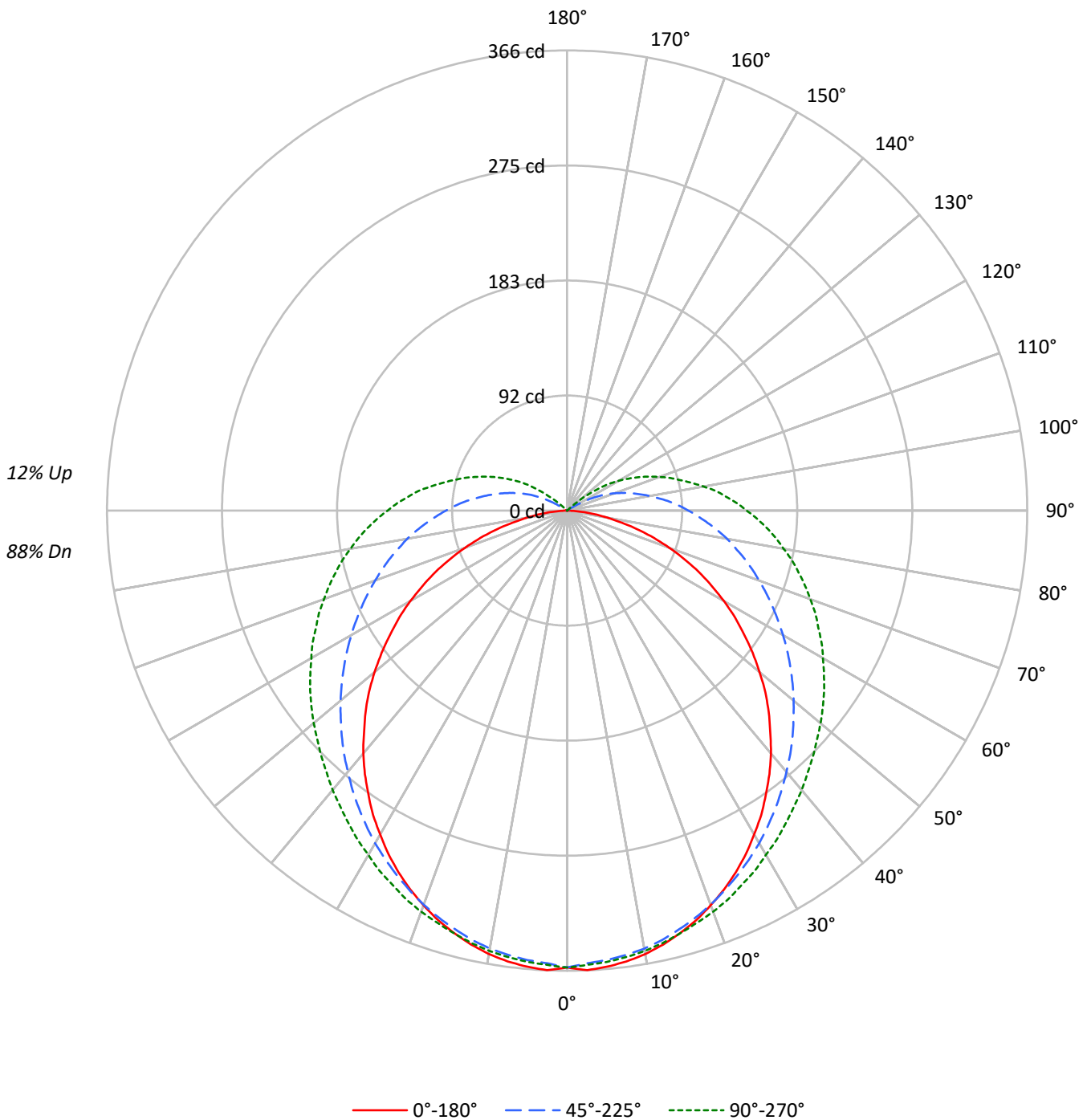
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23469	23469	23469
5°	23525	18613	17308
10°	23313	15423	13675
15°	22998	13052	11231
20°	22612	11238	9501
25°	22187	9782	8170
30°	21665	8597	7125
35°	21120	7590	6294
40°	20544	6731	5616
45°	19877	6002	5051
50°	19125	5364	4584
55°	18247	4800	4185
60°	17348	4305	3829
65°	16203	3861	3516
70°	14639	3466	3243
75°	12590	3112	2986
80°	9717	2792	2746
85°	5873	2470	2528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	2.4
10°-20°	98.0	6.8
20°-30°	148.5	10.3
30°-40°	181.3	12.5
40°-50°	195.3	13.5
50°-60°	191.8	13.3
60°-70°	173.3	12.0
70°-80°	144.3	10.0
80°-90°	110.6	7.7
90°-100°	80.1	5.5
100°-110°	51.7	3.6
110°-120°	27.9	1.9
120°-130°	8.8	0.6
130°-140°	0.3	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°	280.8	19.4
0°-40°	462.1	32.0
0°-60°	849.2	58.7
0°-90°	1277.3	88.3
90°-120°	159.7	11.0
90°-150°	168.9	11.7
90°-180°	169.0	11.7
0°-180°	1446.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	363	363	363	363	363	
5°	364	363	359	362	360	35
15°	348	347	345	348	348	98
25°	317	318	320	327	328	146
35°	276	279	289	300	303	173
45°	227	235	254	270	276	175
55°	172	189	217	241	250	154
65°	116	140	180	210	220	114
75°	58	97	146	179	191	62
85°	12	59	112	147	159	14
90°	0	44	96	131	143	1
95°	1	32	82	116	127	1
105°	1	12	53	83	94	1
115°	1	1	27	53	63	1
125°	0	0	0	21	30	0
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°	363.4	363.4	363.4	363.4	363.4
2.5°	365.9	364.4	360.4	362.9	361.7
5°	364.2	362.9	358.9	361.5	360.4
7.5°	361.7	360.4	356.6	359.2	358.3
10°	358.1	356.7	353.7	356.4	355.6
12.5°	353.5	352.5	349.7	352.9	352.2
15°	347.8	347.0	344.7	348.5	348.0
17.5°	341.6	340.9	339.5	343.6	343.7
20°	334.0	333.8	333.6	338.8	339.5
22.5°	326.2	326.4	327.1	333.4	334.6
25°	317.4	317.7	320.2	327.1	328.5
27.5°	308.0	309.3	313.0	321.0	323.1
30°	297.5	299.8	305.5	313.9	316.2
32.5°	287.2	289.6	297.3	307.2	310.3
35°	275.7	279.3	288.9	300.3	303.4
37.5°	264.2	268.4	280.3	292.7	296.5
40°	252.2	257.7	271.3	285.2	290.2
42.5°	239.2	247.0	262.7	277.6	283.1
45°	226.7	235.3	253.5	270.1	276.5
47.5°	213.9	224.3	244.3	262.9	269.6
50°	199.8	212.2	235.2	255.6	263.1
52.5°	186.0	200.7	226.0	248.2	256.4
55°	171.7	188.7	216.6	240.7	249.5
57.5°	158.3	176.5	207.6	232.9	242.2
60°	144.0	164.6	198.3	225.6	235.0
62.5°	129.4	152.8	189.1	217.8	228.3
65°	115.5	140.5	180.1	210.3	220.4
67.5°	100.6	129.4	171.3	202.3	213.7
70°	86.4	118.0	162.5	194.6	205.9
72.5°	72.3	106.9	153.9	187.0	198.4
75°	58.3	96.7	145.5	179.1	190.6
77.5°	44.4	86.0	136.9	171.3	183.3
80°	32.3	76.7	129.2	163.3	174.9
82.5°	22.0	67.9	120.6	155.6	167.5
85°	11.7	59.3	112.2	147.2	159.4
87.5°	3.4	51.6	104.0	139.0	151.2
90°	0.4	44.5	96.4	131.0	142.8
92.5°	0.6	38.4	89.1	123.7	135.2
95°	0.8	32.3	81.6	115.7	126.9
97.5°	0.8	27.0	74.0	107.4	119.5
100°	0.8	21.8	66.7	99.0	110.1
102.5°	0.8	17.0	59.8	90.6	101.5
105°	0.8	11.5	53.1	83.2	93.5
107.5°	0.8	5.7	46.6	75.9	86.0
110°	0.8	1.1	40.1	68.4	78.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	0.8	33.8	60.6	70.5
115°	0.6	0.6	26.8	53.0	62.9
117.5°	0.6	0.6	19.1	45.9	54.9
120°	0.6	0.4	11.1	38.4	47.4
122.5°	0.4	0.4	3.6	29.8	39.6
125°	0.4	0.2	0.2	21.2	30.2
127.5°	0.4	0.2	0.0	11.9	20.5
130°	0.4	0.2	0.0	3.4	11.7
132.5°	0.4	0.2	0.0	0.0	2.5
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)