

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: P290448

Luminaire Tested: **4SSRK-SLW-30-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLW-30-L830-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2883.5 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

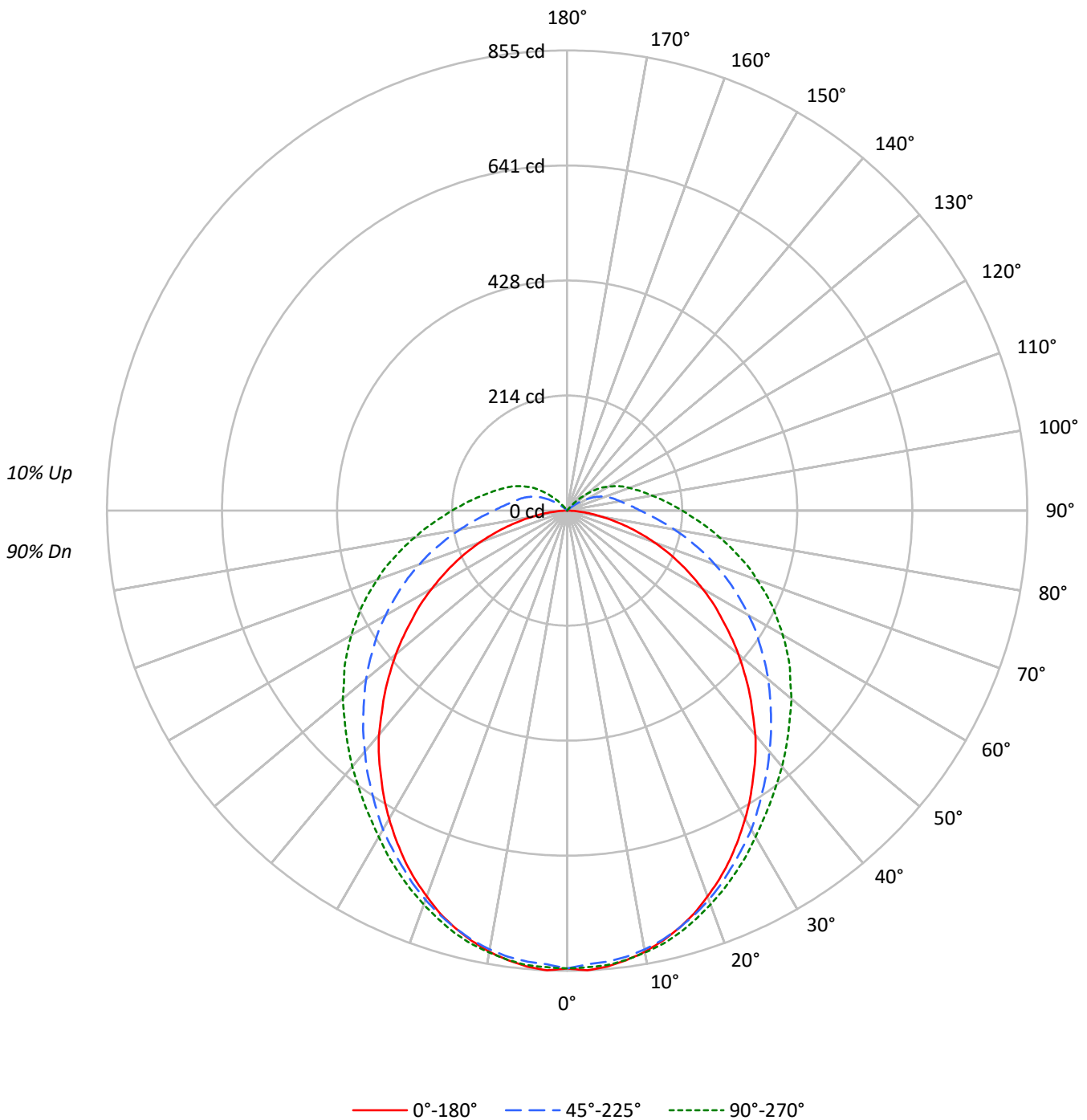
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54941	54941	54941
5°	54950	43637	40719
10°	54190	36110	32069
15°	53097	30406	26192
20°	51642	25926	21798
25°	50028	22227	18444
30°	48172	19263	15772
35°	46186	16650	13684
40°	44322	14504	12024
45°	42008	12675	10620
50°	39772	11122	9479
55°	37323	9701	8469
60°	34961	8458	7542
65°	32293	7306	6715
70°	29091	6229	5911
75°	24899	5238	5181
80°	19554	4362	4516
85°	12800	3636	3935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	2.8
10°-20°	227.4	7.9
20°-30°	336.4	11.7
30°-40°	397.3	13.8
40°-50°	413.0	14.3
50°-60°	389.4	13.5
60°-70°	331.9	11.5
70°-80°	251.0	8.7
80°-90°	169.4	5.9
90°-100°	116.3	4.0
100°-110°	83.4	2.9
110°-120°	53.5	1.9
120°-130°	27.3	0.9
130°-140°	6.9	0.2
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	644.2	22.3
0°-40°	1041.4	36.1
0°-60°	1843.8	63.9
0°-90°	2596.0	90.0
90°-120°	253.2	8.8
90°-150°	287.5	10.0
90°-180°	287.0	10.0
0°-180°	2883.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	851	849	841	849	848	81
15°	803	806	803	811	812	226
25°	716	724	728	740	742	329
35°	603	617	634	653	660	378
45°	479	503	535	568	581	370
55°	351	388	438	485	505	315
65°	230	277	341	397	421	228
75°	115	171	245	307	331	123
85°	26	86	165	226	248	29
90°	0	61	136	194	214	1
95°	0	48	116	167	185	0
105°	1	31	88	126	140	1
115°	1	4	61	95	107	1
125°	1	1	26	59	71	1
135°	1	0	0	19	28	1
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°	850.7	850.7	850.7	850.7	850.7
2.5°	855.0	852.2	843.9	851.1	849.3
5°	850.7	848.6	841.4	849.3	847.9
7.5°	842.5	842.1	836.4	844.6	842.1
10°	832.4	832.8	828.1	836.4	833.9
12.5°	818.8	820.2	817.0	824.9	824.5
15°	803.0	805.5	803.0	810.9	811.6
17.5°	785.0	789.0	787.2	796.9	795.8
20°	762.8	768.1	769.6	779.3	778.9
22.5°	740.5	747.3	749.8	759.9	761.3
25°	715.7	724.0	727.6	740.1	741.6
27.5°	688.8	699.6	706.0	718.6	721.8
30°	661.5	673.0	684.5	697.0	699.9
32.5°	633.1	645.7	659.0	676.2	679.4
35°	602.9	617.3	633.8	652.9	659.7
37.5°	574.6	590.7	610.1	632.4	639.6
40°	544.1	560.6	584.6	609.8	621.3
42.5°	509.9	532.2	560.9	591.1	601.2
45°	479.1	502.8	535.4	568.5	581.4
47.5°	446.7	474.4	511.4	548.0	562.0
50°	415.5	445.7	487.7	527.2	544.1
52.5°	383.2	417.3	462.9	506.7	522.5
55°	351.2	387.5	437.8	484.8	504.9
57.5°	322.5	359.5	415.1	463.3	483.7
60°	290.2	332.9	389.6	441.3	462.9
62.5°	260.4	303.8	364.5	419.4	441.0
65°	230.2	276.9	340.8	397.2	420.9
67.5°	201.8	248.9	316.7	375.3	397.9
70°	171.7	222.6	292.0	352.3	375.3
72.5°	144.0	196.4	269.0	330.0	354.8
75°	115.3	171.3	244.9	307.4	330.7
77.5°	89.8	146.9	223.4	286.2	309.6
80°	65.0	124.6	201.8	265.0	287.6
82.5°	44.2	104.1	182.8	245.6	267.9
85°	25.5	85.8	165.2	226.2	248.1
87.5°	9.7	71.5	149.4	209.4	229.5
90°	0.4	60.7	135.7	193.6	214.0
92.5°	0.4	53.1	125.3	179.2	198.2
95°	0.4	48.1	115.6	166.6	185.3
97.5°	0.7	44.2	107.0	155.5	172.0
100°	0.7	40.2	99.8	144.7	160.5
102.5°	0.7	36.3	93.4	135.0	149.7
105°	0.7	30.9	87.6	126.0	140.4
107.5°	0.7	24.1	81.2	118.5	131.1
110°	0.7	17.6	74.3	111.0	123.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	10.8	68.2	103.4	115.3
115°	0.7	4.0	60.7	95.2	107.0
117.5°	0.7	1.4	51.7	87.3	97.7
120°	0.7	1.1	43.1	78.6	89.1
122.5°	0.7	1.1	34.1	69.3	80.4
125°	0.7	1.1	25.5	59.3	71.1
127.5°	0.7	0.7	16.5	48.8	59.6
130°	0.7	0.7	7.9	38.8	49.2
132.5°	0.7	0.7	0.4	28.4	38.4
135°	0.7	0.4	0.4	18.7	27.7
137.5°	0.7	0.4	0.0	9.0	18.0
140°	0.7	0.4	0.0	0.0	7.2
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)