

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: P289921

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289921
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-30-L835-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2763.5 lumens
Efficiency: N/A
Efficacy: 135.5 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

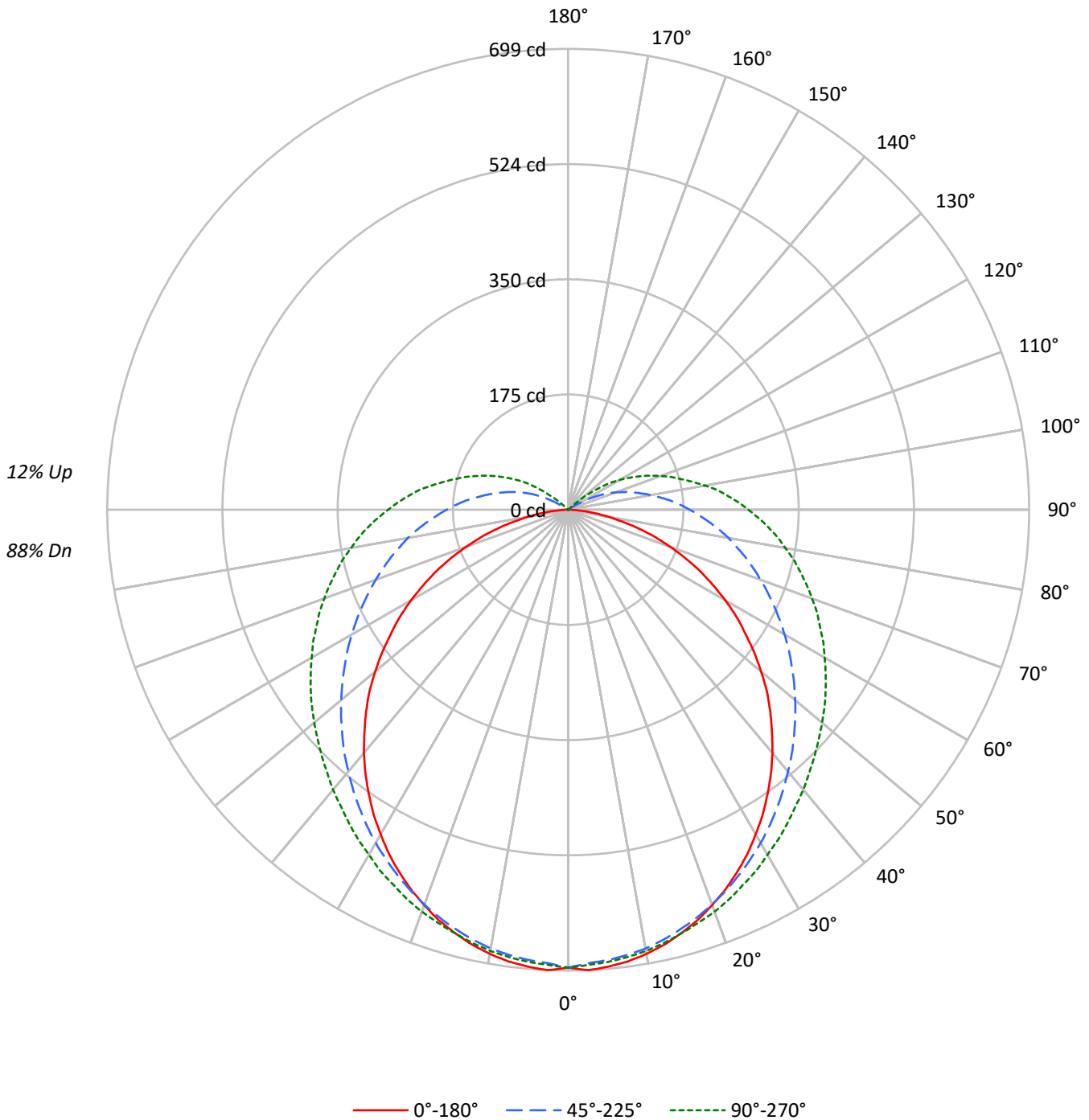
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	44853	44853	44853
5°	44951	35562	33069
10°	44542	29469	26131
15°	43939	24942	21458
20°	43207	21476	18157
25°	42388	18693	15609
30°	41392	16429	13615
35°	40356	14501	12027
40°	39255	12862	10733
45°	37992	11468	9650
50°	36546	10246	8758
55°	34868	9171	7996
60°	33142	8223	7315
65°	30960	7376	6720
70°	27973	6624	6197
75°	24057	5946	5706
80°	18561	5339	5249
85°	11194	4719	4833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	2.4
10°-20°	187.2	6.8
20°-30°	283.9	10.3
30°-40°	346.4	12.5
40°-50°	373.1	13.5
50°-60°	366.4	13.3
60°-70°	331.1	12.0
70°-80°	275.7	10.0
80°-90°	211.4	7.7
90°-100°	153.1	5.5
100°-110°	98.9	3.6
110°-120°	53.3	1.9
120°-130°	16.9	0.6
130°-140°	0.6	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°	536.6	19.4
0°-40°	883.1	32.0
0°-60°	1622.6	58.7
0°-90°	2440.8	88.3
90°-120°	305.3	11.0
90°-150°	322.7	11.7
90°-180°	323.0	11.7
0°-180°	2763.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	696	693	686	691	689	66
15°	664	663	659	666	665	187
25°	606	607	612	625	628	279
35°	527	534	552	574	580	330
45°	433	450	484	516	528	334
55°	328	361	414	460	477	294
65°	221	268	344	402	421	218
75°	111	185	278	342	364	118
85°	22	113	214	281	305	27
90°	1	85	184	250	273	1
95°	2	62	156	221	243	1
105°	2	22	102	159	179	2
115°	1	1	51	101	120	1
125°	1	0	0	41	58	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°	694.5	694.5	694.5	694.5	694.5
2.5°	699.2	696.3	688.6	693.4	691.2
5°	695.9	693.4	685.7	690.8	688.6
7.5°	691.2	688.6	681.3	686.4	684.6
10°	684.2	681.7	675.8	681.0	679.5
12.5°	675.5	673.7	668.2	674.4	672.9
15°	664.5	663.1	658.7	666.0	664.9
17.5°	652.8	651.4	648.8	656.5	656.8
20°	638.2	637.9	637.5	647.4	648.8
22.5°	623.2	623.6	625.1	637.1	639.3
25°	606.4	607.2	611.9	625.1	627.6
27.5°	588.5	591.1	598.0	613.4	617.4
30°	568.4	572.8	583.8	599.9	604.2
32.5°	548.7	553.5	568.1	587.1	592.9
35°	526.8	533.7	552.0	573.9	579.8
37.5°	504.9	512.9	535.6	559.3	566.6
40°	481.9	492.5	518.4	545.1	554.6
42.5°	457.0	472.0	502.0	530.4	541.0
45°	433.3	449.7	484.4	516.2	528.3
47.5°	408.8	428.5	466.9	502.3	515.1
50°	381.8	405.5	449.3	488.4	502.7
52.5°	355.5	383.6	431.8	474.2	489.9
55°	328.1	360.6	413.9	459.9	476.7
57.5°	302.5	337.2	396.7	445.0	462.9
60°	275.1	314.5	378.8	431.1	449.0
62.5°	247.3	291.9	361.3	416.1	436.2
65°	220.7	268.5	344.1	401.9	421.2
67.5°	192.2	247.3	327.3	386.5	408.4
70°	165.1	225.4	310.5	371.9	393.5
72.5°	138.1	204.2	294.1	357.3	379.2
75°	111.4	184.9	278.0	342.3	364.2
77.5°	84.8	164.4	261.6	327.3	350.3
80°	61.7	146.5	247.0	312.0	334.3
82.5°	42.0	129.7	230.5	297.4	320.0
85°	22.3	113.2	214.4	281.3	304.7
87.5°	6.6	98.6	198.7	265.6	289.0
90°	0.7	85.1	184.1	250.2	272.9
92.5°	1.1	73.4	170.2	236.4	258.3
95°	1.5	61.7	156.0	221.0	242.6
97.5°	1.5	51.5	141.4	205.3	228.3
100°	1.5	41.6	127.5	189.2	210.4
102.5°	1.5	32.5	114.3	173.2	194.0
105°	1.5	21.9	101.6	158.9	178.6
107.5°	1.5	11.0	89.1	145.0	164.4
110°	1.5	2.2	76.7	130.8	149.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.5	64.7	115.8	134.8
115°	1.1	1.1	51.1	101.2	120.2
117.5°	1.1	1.1	36.5	87.7	104.8
120°	1.1	0.7	21.2	73.4	90.6
122.5°	0.7	0.7	6.9	57.0	75.6
125°	0.7	0.4	0.4	40.6	57.7
127.5°	0.7	0.4	0.0	22.6	39.1
130°	0.7	0.4	0.0	6.6	22.3
132.5°	0.7	0.4	0.0	0.0	4.7
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)