

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: P289937

Luminaire Tested: **4SSRK-LW-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289937
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-60-L835-CD1-U
Description: 6000 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: 5571.5 lumens
Efficiency: N/A
Efficacy: 124.4 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

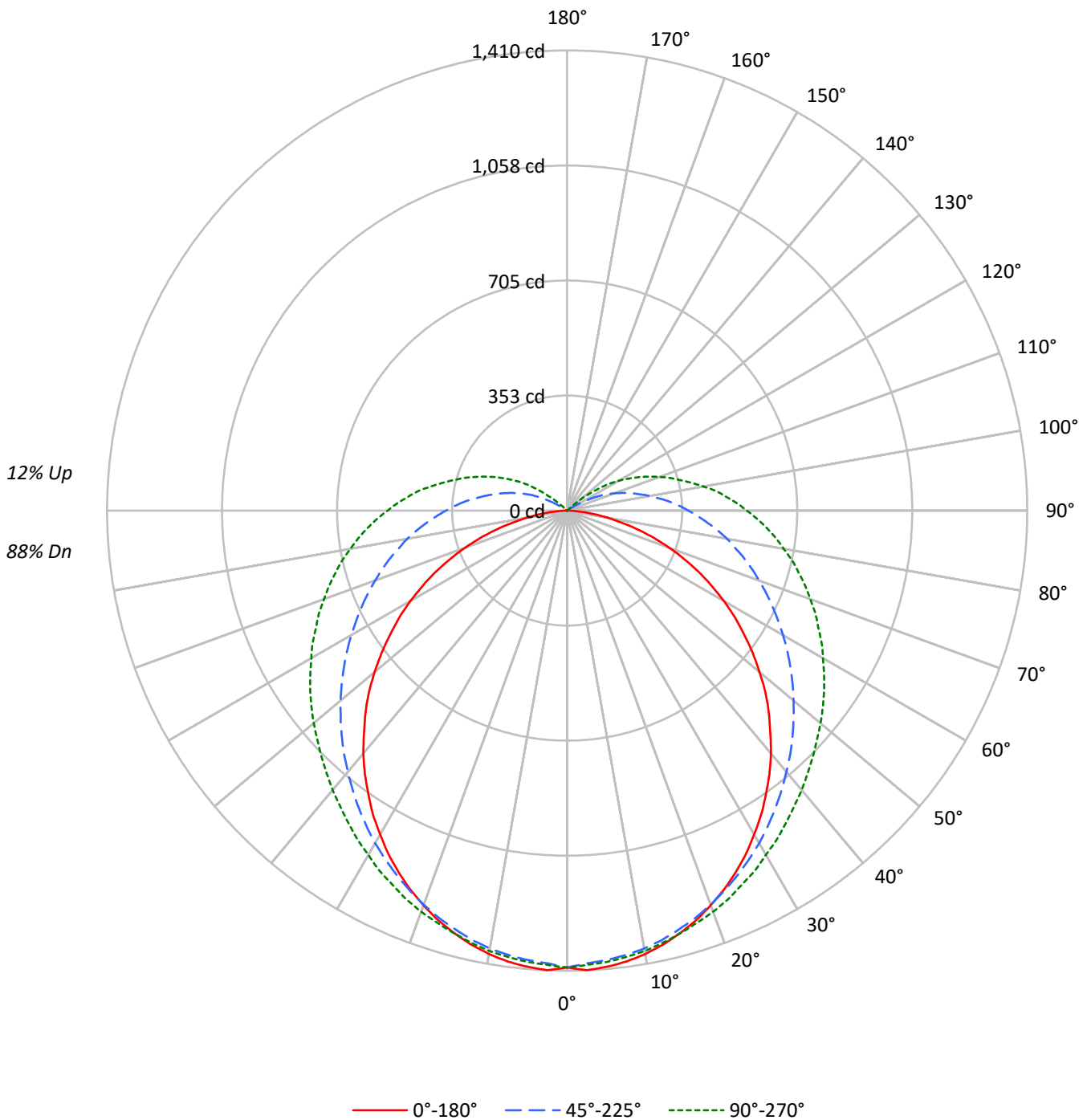
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90423	90423	90423
5°	90632	71695	66671
10°	89807	59413	52681
15°	88585	50281	43261
20°	87111	43295	36604
25°	85461	37688	31469
30°	83454	33119	27451
35°	81363	29237	24245
40°	79137	25929	21636
45°	76589	23121	19454
50°	73676	20658	17656
55°	70289	18491	16122
60°	66814	16581	14748
65°	62411	14873	13549
70°	56404	13354	12492
75°	48502	11989	11504
80°	37453	10761	10582
85°	22538	9515	9743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	2.4
10°-20°	377.4	6.8
20°-30°	572.3	10.3
30°-40°	698.4	12.5
40°-50°	752.2	13.5
50°-60°	738.8	13.3
60°-70°	667.5	12.0
70°-80°	555.7	10.0
80°-90°	426.2	7.7
90°-100°	308.6	5.5
100°-110°	199.4	3.6
110°-120°	107.4	1.9
120°-130°	34.0	0.6
130°-140°	1.3	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°	1081.9	19.4
0°-40°	1780.3	32.0
0°-60°	3271.3	58.7
0°-90°	4920.8	88.3
90°-120°	615.4	11.0
90°-150°	650.7	11.7
90°-180°	651.0	11.7
0°-180°	5571.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1403	1398	1382	1393	1388	133
15°	1340	1337	1328	1343	1340	378
25°	1223	1224	1234	1260	1265	563
35°	1062	1076	1113	1157	1169	665
45°	874	907	977	1041	1065	674
55°	661	727	834	927	961	593
65°	445	541	694	810	849	439
75°	225	373	560	690	734	238
85°	45	228	432	567	614	54
90°	2	172	371	504	550	3
95°	3	124	314	446	489	2
105°	3	44	205	320	360	3
115°	2	2	103	204	242	2
125°	2	1	1	82	116	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°	1400.1	1400.1	1400.1	1400.1	1400.1
2.5°	1409.7	1403.8	1388.3	1397.9	1393.5
5°	1403.1	1397.9	1382.4	1392.7	1388.3
7.5°	1393.5	1388.3	1373.6	1383.9	1380.2
10°	1379.5	1374.3	1362.5	1372.9	1369.9
12.5°	1361.8	1358.1	1347.1	1359.6	1356.7
15°	1339.7	1336.8	1327.9	1342.7	1340.5
17.5°	1316.1	1313.2	1308.0	1323.5	1324.2
20°	1286.7	1286.0	1285.2	1305.1	1308.0
22.5°	1256.5	1257.2	1260.2	1284.5	1288.9
25°	1222.6	1224.1	1233.7	1260.2	1265.3
27.5°	1186.5	1191.7	1205.7	1236.6	1244.7
30°	1146.0	1154.9	1176.9	1209.4	1218.2
32.5°	1106.2	1115.8	1145.3	1183.6	1195.4
35°	1062.1	1076.0	1112.9	1157.1	1168.8
37.5°	1017.9	1034.1	1079.7	1127.6	1142.3
40°	971.5	992.8	1045.1	1098.9	1118.0
42.5°	921.4	951.6	1012.0	1069.4	1090.8
45°	873.5	906.6	976.6	1040.7	1065.0
47.5°	824.2	863.9	941.3	1012.7	1038.5
50°	769.7	817.5	905.9	984.7	1013.4
52.5°	716.6	773.3	870.6	956.0	987.7
55°	661.4	726.9	834.5	927.3	961.1
57.5°	609.8	679.8	799.9	897.1	933.2
60°	554.6	634.1	763.8	869.1	905.2
62.5°	498.6	588.5	728.4	838.9	879.4
65°	444.9	541.3	693.8	810.2	849.2
67.5°	387.4	498.6	659.9	779.2	823.4
70°	332.9	454.4	626.0	749.8	793.2
72.5°	278.4	411.7	592.9	720.3	764.5
75°	224.6	372.7	560.5	690.1	734.3
77.5°	170.9	331.4	527.3	659.9	706.3
80°	124.5	295.3	497.9	629.0	673.9
82.5°	84.7	261.5	464.7	599.5	645.2
85°	44.9	228.3	432.3	567.1	614.3
87.5°	13.3	198.9	400.7	535.4	582.6
90°	1.5	171.6	371.2	504.5	550.2
92.5°	2.2	148.0	343.2	476.5	520.7
95°	2.9	124.5	314.5	445.6	489.0
97.5°	2.9	103.8	285.0	413.9	460.3
100°	2.9	84.0	257.0	381.5	424.2
102.5°	2.9	65.5	230.5	349.1	391.1
105°	2.9	44.2	204.8	320.4	360.2
107.5°	2.9	22.1	179.7	292.4	331.4
110°	2.9	4.4	154.7	263.7	301.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.9	130.4	233.5	271.8
115°	2.2	2.2	103.1	204.0	242.3
117.5°	2.2	2.2	73.7	176.8	211.4
120°	2.2	1.5	42.7	148.0	182.7
122.5°	1.5	1.5	14.0	114.9	152.5
125°	1.5	0.7	0.7	81.8	116.4
127.5°	1.5	0.7	0.0	45.7	78.8
130°	1.5	0.7	0.0	13.3	44.9
132.5°	1.5	0.7	0.0	0.0	9.6
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)