

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: P290017

Luminaire Tested: **4SSRK-RB-40-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-RB-40-L835-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4005.9 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

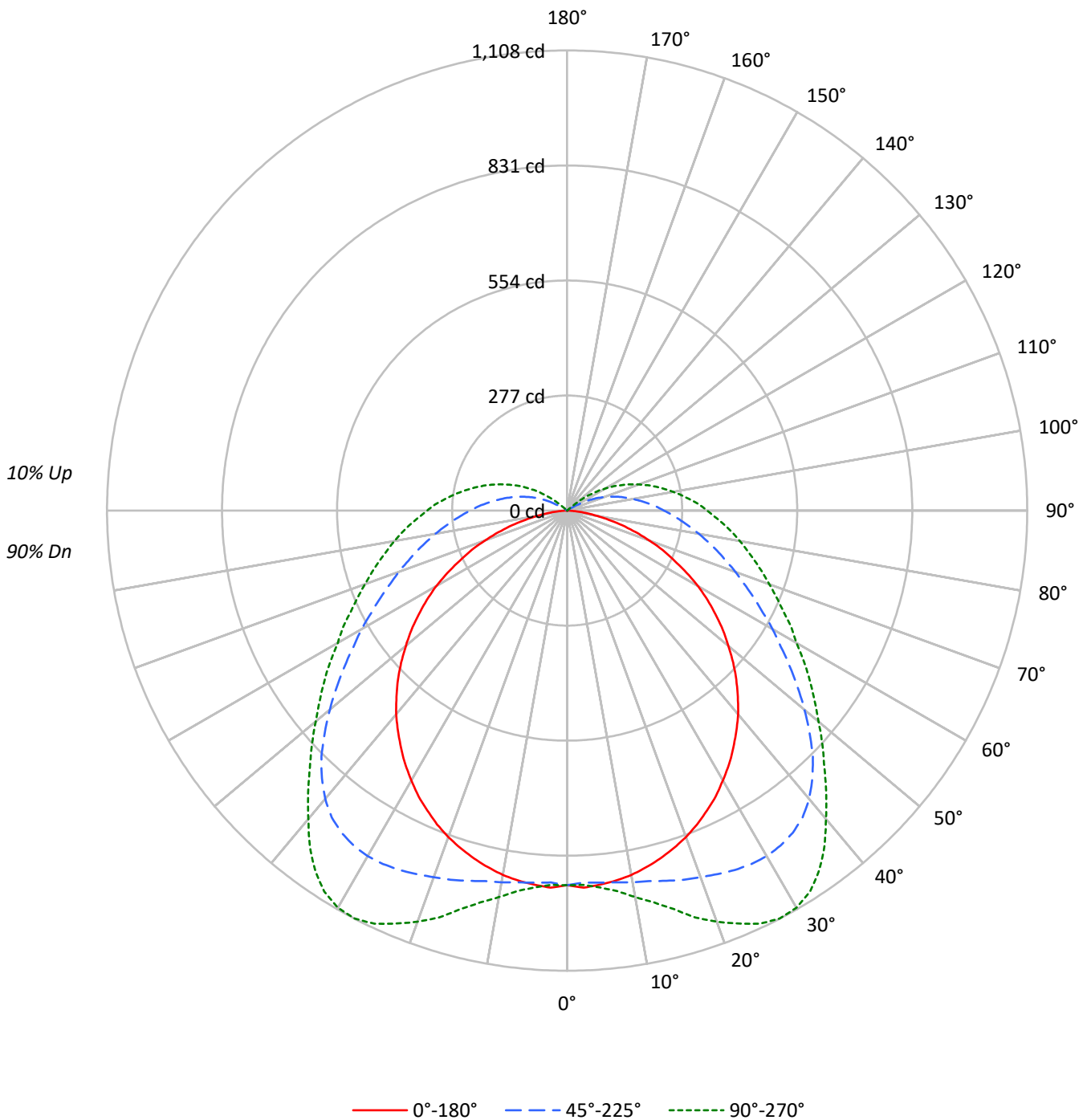
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					90			
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70					70			
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57					57			
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47					47			
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39					39			
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34					34			
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29					29			
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25					25			
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22					22			
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20					20			
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18					18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58254	58254	58254
5°	58425	46630	43740
10°	57998	39629	36333
15°	57335	34946	32059
20°	56632	31646	29485
25°	55683	29174	27303
30°	54617	27038	24880
35°	53433	24884	21946
40°	52191	22488	18764
45°	50513	19804	15998
50°	48540	17014	13769
55°	46356	14498	11970
60°	43828	12400	10391
65°	39924	10622	9161
70°	35716	9192	8155
75°	29693	7989	7329
80°	21630	6962	6636
85°	10993	6051	6002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	2.2
10°-20°	263.9	6.6
20°-30°	439.3	11.0
30°-40°	568.2	14.2
40°-50°	600.1	15.0
50°-60°	553.3	13.8
60°-70°	464.9	11.6
70°-80°	364.3	9.1
80°-90°	268.0	6.7
90°-100°	191.0	4.8
100°-110°	122.7	3.1
110°-120°	64.4	1.6
120°-130°	18.7	0.5
130°-140°	0.4	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°	789.9	19.7
0°-40°	1358.1	33.9
0°-60°	2511.4	62.7
0°-90°	3608.7	90.1
90°-120°	378.1	9.4
90°-150°	397.3	9.9
90°-180°	397.0	9.9
0°-180°	4005.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	904	904	899	911	911	86
15°	867	884	923	978	993	245
25°	797	841	955	1064	1098	367
35°	698	775	947	1044	1058	436
45°	576	679	836	872	876	444
55°	436	542	654	699	714	390
65°	285	390	496	556	574	283
75°	138	254	374	444	468	146
85°	22	148	275	353	378	29
90°	0	109	233	312	337	1
95°	2	79	196	274	298	1
105°	2	26	128	199	222	2
115°	1	2	61	123	145	1
125°	1	0	0	44	66	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°	902.0	902.0	902.0	902.0	902.0
2.5°	908.8	904.9	896.2	904.0	902.0
5°	904.5	904.0	899.1	910.8	910.8
7.5°	898.6	900.6	903.0	922.4	923.9
10°	890.9	896.7	908.8	938.5	944.8
12.5°	879.7	890.4	913.7	956.4	966.6
15°	867.1	884.1	922.9	977.8	993.4
17.5°	852.5	874.8	932.2	1004.0	1027.4
20°	836.5	865.6	939.4	1027.8	1053.6
22.5°	818.0	854.4	947.2	1047.3	1076.4
25°	796.6	841.3	955.0	1064.3	1097.8
27.5°	775.3	827.7	959.4	1075.0	1107.5
30°	750.0	812.7	960.8	1076.4	1104.1
32.5°	725.2	796.1	956.4	1066.2	1088.1
35°	697.5	775.3	947.2	1043.9	1058.0
37.5°	668.9	752.9	931.2	1009.4	1018.1
40°	640.7	732.0	906.4	965.7	969.6
42.5°	608.2	705.3	874.3	919.5	923.4
45°	576.1	678.6	836.5	872.4	875.8
47.5°	542.1	648.0	791.8	825.3	833.5
50°	507.1	614.5	746.1	781.6	790.3
52.5°	473.1	580.0	700.0	740.3	750.5
55°	436.2	542.1	654.3	699.0	713.6
57.5°	400.7	504.7	610.1	659.6	675.7
60°	363.8	466.3	571.2	623.2	637.8
62.5°	325.0	427.5	531.4	589.7	608.2
65°	284.6	389.6	495.5	556.2	574.2
67.5°	249.2	353.1	461.0	525.1	545.5
70°	210.8	318.2	430.9	497.4	517.8
72.5°	173.4	285.6	400.7	470.7	492.5
75°	137.5	253.6	373.5	444.5	467.8
77.5°	102.5	223.9	346.8	420.7	444.0
80°	71.9	196.7	322.1	397.8	422.6
82.5°	44.7	172.4	297.8	375.5	400.7
85°	21.9	148.2	274.9	353.1	378.4
87.5°	6.3	126.8	253.6	331.8	356.5
90°	0.5	108.8	233.2	312.3	337.1
92.5°	1.0	92.8	215.7	292.9	319.1
95°	1.5	78.7	196.2	274.0	298.2
97.5°	1.5	65.1	178.3	255.0	278.8
100°	1.5	52.0	160.8	235.1	259.4
102.5°	1.5	39.3	143.8	216.6	240.0
105°	1.5	25.7	127.8	198.7	222.0
107.5°	1.5	11.2	110.8	179.2	202.6
110°	1.5	2.4	94.2	161.3	184.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	1.5	78.7	142.3	165.2
115°	1.0	1.5	61.2	123.4	144.8
117.5°	1.0	1.0	41.8	104.9	126.8
120°	1.0	1.0	21.9	86.5	106.4
122.5°	1.0	0.5	4.4	66.1	87.9
125°	1.0	0.5	0.0	44.2	65.6
127.5°	1.0	0.5	0.0	22.8	44.7
130°	0.5	0.5	0.0	3.4	21.4
132.5°	0.5	0.5	0.0	0.0	1.0
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)