

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: P290038

Luminaire Tested: **8SSRK-RB-40-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290038
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: 8SSRK-RB-40-L940-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3423.8 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

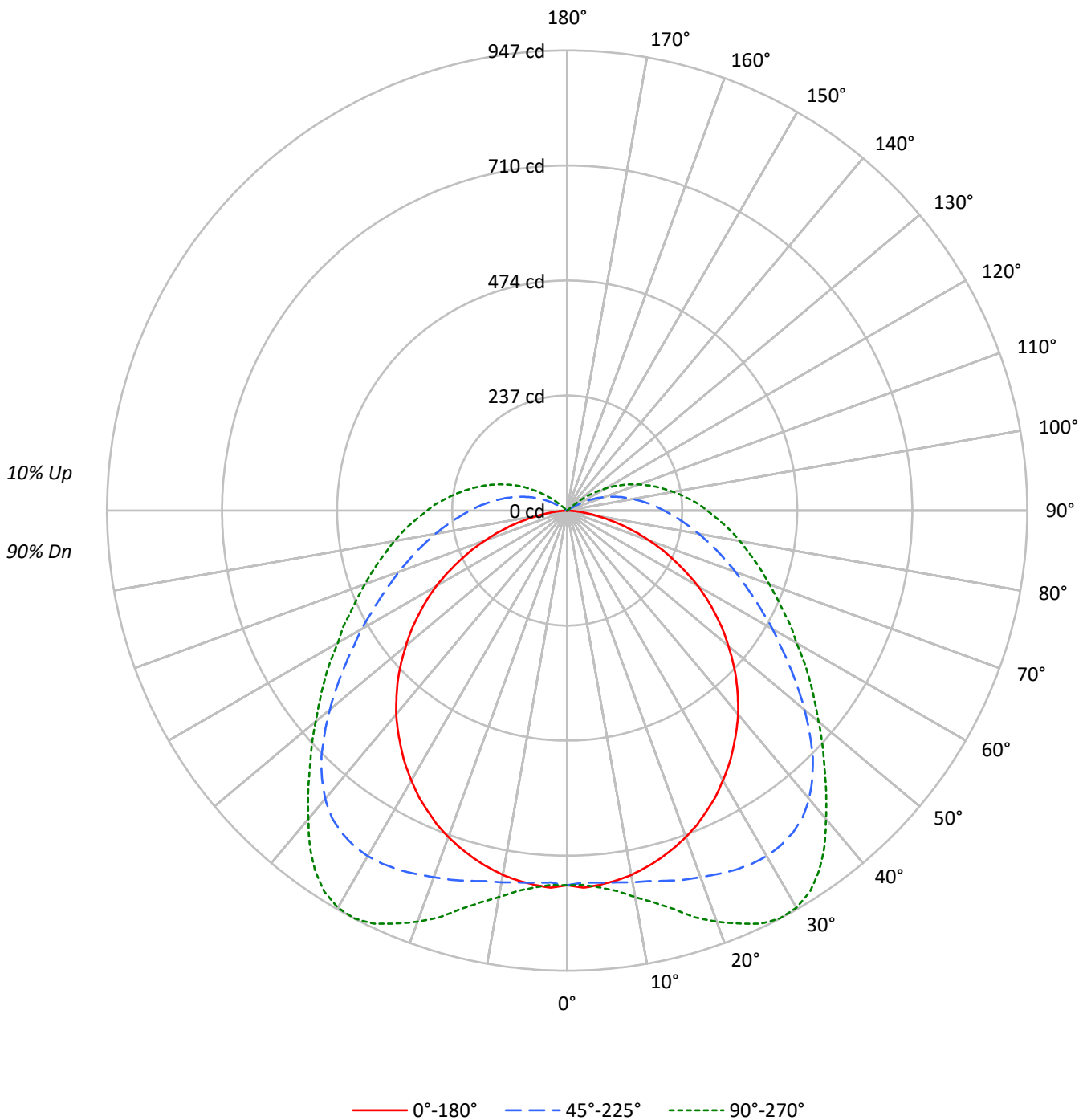
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24897	24897	24897
5°	25014	19949	18693
10°	24875	16966	15527
15°	24638	14968	13700
20°	24382	13561	12600
25°	24027	12504	11668
30°	23617	11592	10633
35°	23165	10671	9379
40°	22687	9645	8019
45°	22028	8495	6837
50°	21245	7300	5884
55°	20382	6221	5115
60°	19386	5323	4440
65°	17795	4559	3915
70°	16092	3946	3485
75°	13602	3431	3132
80°	10211	2990	2836
85°	5596	2599	2565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	2.2
10°-20°	225.5	6.6
20°-30°	375.5	11.0
30°-40°	485.6	14.2
40°-50°	512.9	15.0
50°-60°	472.9	13.8
60°-70°	397.4	11.6
70°-80°	311.4	9.1
80°-90°	229.1	6.7
90°-100°	163.2	4.8
100°-110°	104.8	3.1
110°-120°	55.0	1.6
120°-130°	16.0	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°	675.2	19.7
0°-40°	1160.8	33.9
0°-60°	2146.5	62.7
0°-90°	3084.3	90.1
90°-120°	323.1	9.4
90°-150°	339.5	9.9
90°-180°	339.0	9.9
0°-180°	3423.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	773	773	768	778	778	73
15°	741	756	789	836	849	209
25°	681	719	816	910	938	314
35°	596	663	810	892	904	373
45°	492	580	715	746	749	379
55°	373	463	559	597	610	334
65°	243	333	424	475	491	242
75°	118	217	319	380	400	125
85°	19	127	235	302	323	25
90°	0	93	199	267	288	1
95°	1	67	168	234	255	1
105°	1	22	109	170	190	1
115°	1	1	52	106	124	1
125°	1	0	0	38	56	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°	771.0	771.0	771.0	771.0	771.0
2.5°	776.8	773.5	766.0	772.7	771.0
5°	773.1	772.7	768.5	778.5	778.5
7.5°	768.1	769.7	771.8	788.4	789.7
10°	761.4	766.4	776.8	802.1	807.5
12.5°	751.9	761.0	781.0	817.5	826.2
15°	741.1	755.6	788.8	835.8	849.0
17.5°	728.6	747.7	796.7	858.2	878.1
20°	714.9	739.9	803.0	878.5	900.5
22.5°	699.2	730.3	809.6	895.1	920.0
25°	680.9	719.1	816.2	909.7	938.3
27.5°	662.6	707.5	820.0	918.8	946.6
30°	641.0	694.6	821.2	920.0	943.7
32.5°	619.9	680.5	817.5	911.3	930.0
35°	596.2	662.6	809.6	892.2	904.3
37.5°	571.7	643.5	795.9	862.7	870.2
40°	547.6	625.7	774.7	825.4	828.7
42.5°	519.8	602.8	747.3	785.9	789.3
45°	492.4	580.0	714.9	745.7	748.6
47.5°	463.3	553.9	676.7	705.4	712.5
50°	433.4	525.2	637.7	668.0	675.5
52.5°	404.4	495.7	598.3	632.7	641.5
55°	372.8	463.3	559.2	597.4	609.9
57.5°	342.5	431.4	521.5	563.8	577.5
60°	311.0	398.6	488.3	532.7	545.1
62.5°	277.8	365.4	454.2	504.0	519.8
65°	243.3	333.0	423.5	475.4	490.7
67.5°	213.0	301.8	394.0	448.8	466.2
70°	180.2	271.9	368.3	425.1	442.6
72.5°	148.2	244.1	342.5	402.3	421.0
75°	117.5	216.7	319.3	379.9	399.8
77.5°	87.6	191.4	296.4	359.5	379.5
80°	61.4	168.1	275.3	340.0	361.2
82.5°	38.2	147.4	254.5	320.9	342.5
85°	18.7	126.6	235.0	301.8	323.4
87.5°	5.4	108.4	216.7	283.6	304.7
90°	0.4	93.0	199.3	267.0	288.1
92.5°	0.8	79.3	184.3	250.4	272.8
95°	1.2	67.3	167.7	234.2	254.9
97.5°	1.2	55.6	152.4	218.0	238.3
100°	1.2	44.4	137.4	200.9	221.7
102.5°	1.2	33.6	122.9	185.2	205.1
105°	1.2	22.0	109.2	169.8	189.7
107.5°	1.2	9.5	94.7	153.2	173.1
110°	1.2	2.1	80.5	137.8	157.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	1.2	67.3	121.6	141.2
115°	0.8	1.2	52.3	105.5	123.7
117.5°	0.8	0.8	35.7	89.7	108.4
120°	0.8	0.8	18.7	73.9	90.9
122.5°	0.8	0.4	3.7	56.5	75.1
125°	0.8	0.4	0.0	37.8	56.0
127.5°	0.8	0.4	0.0	19.5	38.2
130°	0.4	0.4	0.0	2.9	18.3
132.5°	0.4	0.4	0.0	0.0	0.8
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)