

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: P290044

Luminaire Tested: **8SSRK-RB-50-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290044
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-50-L930-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3964.7 lumens
Efficiency: N/A
Efficacy: 115.9 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

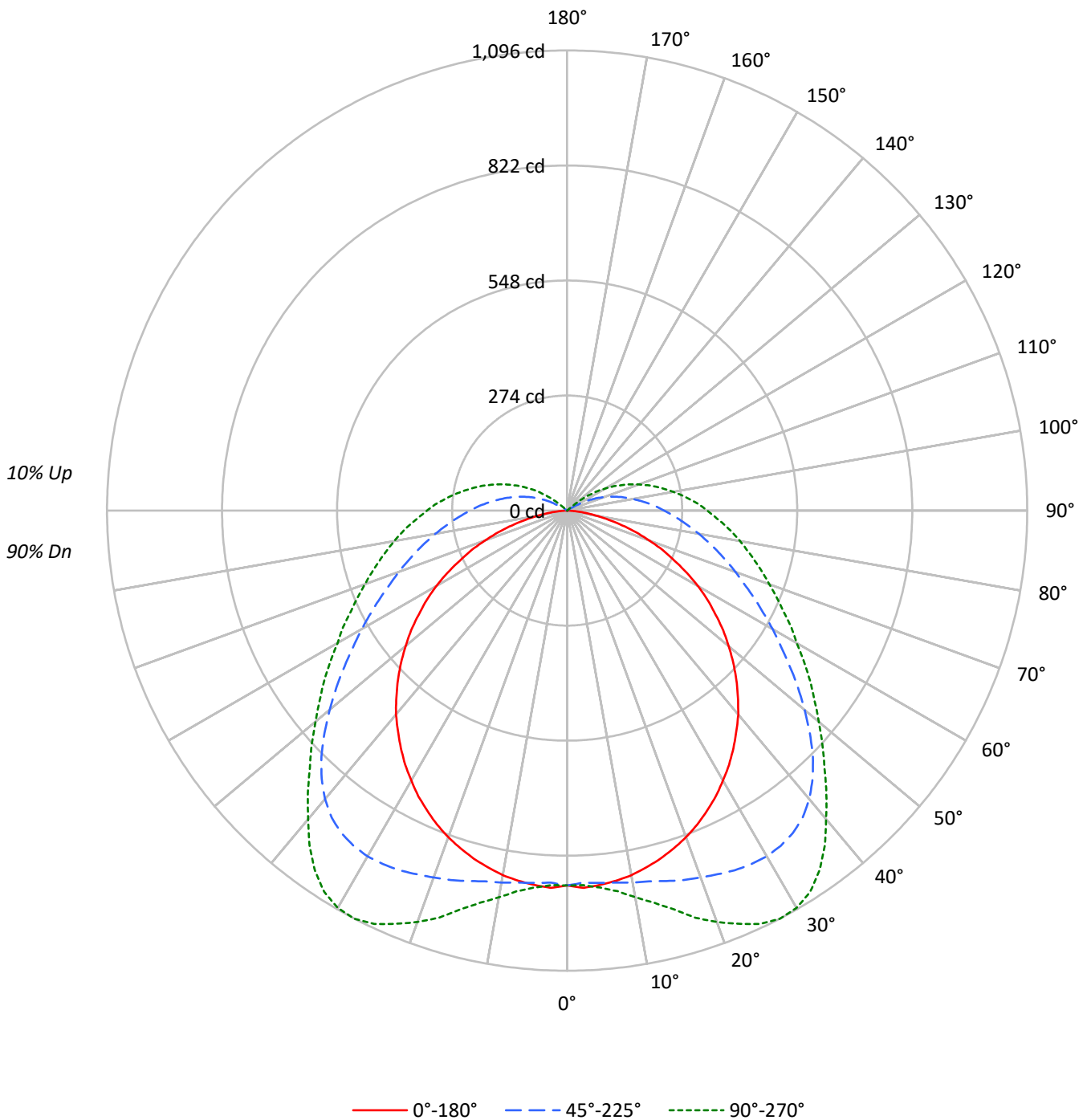
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28830	28830	28830
5°	28965	23100	21644
10°	28805	19646	17980
15°	28531	17332	15863
20°	28236	15702	14591
25°	27820	14480	13511
30°	27349	13423	12313
35°	26825	12357	10860
40°	26270	11169	9285
45°	25508	9838	7917
50°	24603	8453	6814
55°	23602	7205	5923
60°	22446	6163	5142
65°	20604	5280	4534
70°	18628	4569	4036
75°	15755	3973	3627
80°	11841	3461	3284
85°	6464	3010	2970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	2.2
10°-20°	261.2	6.6
20°-30°	434.8	11.0
30°-40°	562.3	14.2
40°-50°	593.9	15.0
50°-60°	547.6	13.8
60°-70°	460.2	11.6
70°-80°	360.5	9.1
80°-90°	265.2	6.7
90°-100°	189.0	4.8
100°-110°	121.4	3.1
110°-120°	63.7	1.6
120°-130°	18.5	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°	781.8	19.7
0°-40°	1344.1	33.9
0°-60°	2485.6	62.7
0°-90°	3571.6	90.1
90°-120°	374.1	9.4
90°-150°	393.1	9.9
90°-180°	393.0	9.9
0°-180°	3964.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	895	895	890	901	901	85
15°	858	875	913	968	983	242
25°	788	833	945	1053	1086	363
35°	690	767	938	1033	1047	432
45°	570	672	828	863	867	439
55°	432	536	648	692	706	386
65°	282	386	490	550	568	281
75°	136	251	370	440	463	145
85°	22	147	272	350	374	28
90°	0	108	231	309	334	1
95°	1	78	194	271	295	1
105°	1	26	126	197	220	1
115°	1	1	61	122	143	1
125°	1	0	0	44	65	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°	892.8	892.8	892.8	892.8	892.8
2.5°	899.5	895.6	887.0	894.7	892.8
5°	895.2	894.7	889.9	901.4	901.4
7.5°	889.4	891.3	893.7	913.0	914.4
10°	881.7	887.5	899.5	928.8	935.1
12.5°	870.6	881.2	904.3	946.6	956.7
15°	858.2	875.0	913.4	967.8	983.1
17.5°	843.7	865.8	922.6	993.7	1016.8
20°	827.9	856.7	929.8	1017.3	1042.8
22.5°	809.6	845.7	937.5	1036.5	1065.4
25°	788.4	832.7	945.2	1053.3	1086.5
27.5°	767.3	819.2	949.5	1063.9	1096.1
30°	742.3	804.3	950.9	1065.4	1092.8
32.5°	717.8	788.0	946.6	1055.3	1076.9
35°	690.4	767.3	937.5	1033.1	1047.1
37.5°	662.0	745.2	921.6	999.0	1007.7
40°	634.1	724.5	897.1	955.7	959.6
42.5°	601.9	698.1	865.4	910.1	913.9
45°	570.2	671.6	827.9	863.4	866.8
47.5°	536.5	641.3	783.6	816.8	825.0
50°	501.9	608.2	738.4	773.5	782.2
52.5°	468.3	574.0	692.8	732.7	742.8
55°	431.7	536.5	647.6	691.8	706.2
57.5°	396.6	499.5	603.8	652.9	668.7
60°	360.1	461.5	565.4	616.8	631.2
62.5°	321.6	423.1	525.9	583.6	601.9
65°	281.7	385.6	490.4	550.5	568.3
67.5°	246.6	349.5	456.2	519.7	539.9
70°	208.6	314.9	426.4	492.3	512.5
72.5°	171.6	282.7	396.6	465.9	487.5
75°	136.1	251.0	369.7	439.9	463.0
77.5°	101.4	221.6	343.3	416.3	439.4
80°	71.2	194.7	318.7	393.7	418.3
82.5°	44.2	170.7	294.7	371.6	396.6
85°	21.6	146.6	272.1	349.5	374.5
87.5°	6.2	125.5	251.0	328.4	352.9
90°	0.5	107.7	230.8	309.1	333.6
92.5°	1.0	91.8	213.5	289.9	315.9
95°	1.4	77.9	194.2	271.1	295.2
97.5°	1.4	64.4	176.4	252.4	276.0
100°	1.4	51.4	159.1	232.7	256.7
102.5°	1.4	38.9	142.3	214.4	237.5
105°	1.4	25.5	126.4	196.6	219.7
107.5°	1.4	11.1	109.6	177.4	200.5
110°	1.4	2.4	93.3	159.6	182.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.4	77.9	140.9	163.5
115°	1.0	1.4	60.6	122.1	143.3
117.5°	1.0	1.0	41.3	103.8	125.5
120°	1.0	1.0	21.6	85.6	105.3
122.5°	1.0	0.5	4.3	65.4	87.0
125°	1.0	0.5	0.0	43.7	64.9
127.5°	1.0	0.5	0.0	22.6	44.2
130°	0.5	0.5	0.0	3.4	21.2
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)