

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: P290045

Luminaire Tested: **8SSRK-RB-50-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290045
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-L935-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4208.4 lumens
Efficiency: N/A
Efficacy: 123.1 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

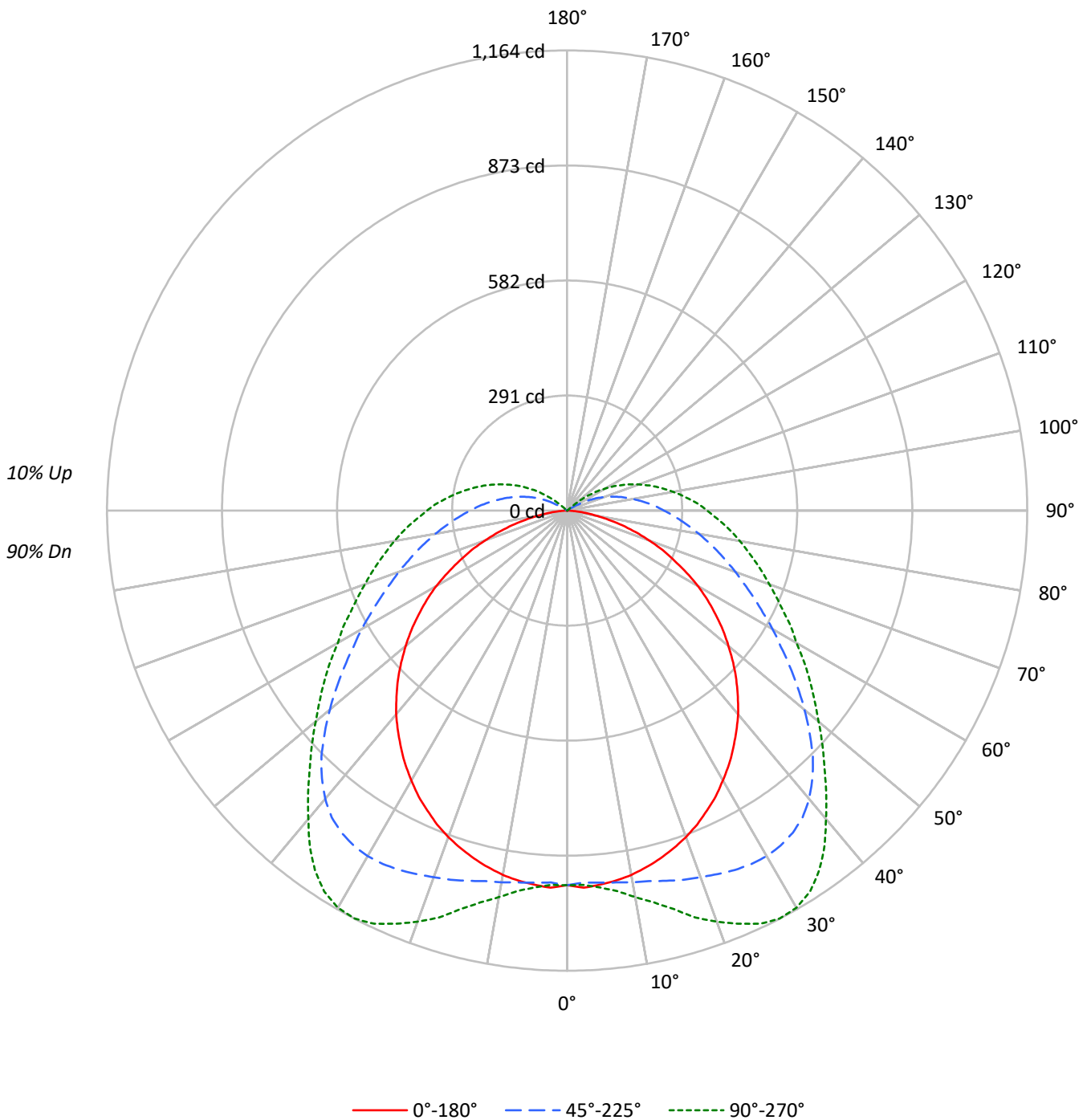
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30603	30603	30603
5°	30745	24520	22975
10°	30576	20853	19086
15°	30283	18398	16840
20°	29972	16667	15488
25°	29532	15370	14342
30°	29029	14249	13069
35°	28472	13116	11528
40°	27886	11855	9856
45°	27074	10443	8404
50°	26118	8973	7233
55°	25056	7647	6287
60°	23824	6542	5458
65°	21869	5604	4812
70°	19780	4850	4284
75°	16716	4217	3849
80°	12556	3674	3486
85°	6883	3194	3152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	2.2
10°-20°	277.2	6.6
20°-30°	461.5	11.0
30°-40°	596.9	14.2
40°-50°	630.4	15.0
50°-60°	581.2	13.8
60°-70°	488.4	11.6
70°-80°	382.7	9.1
80°-90°	281.5	6.7
90°-100°	200.6	4.8
100°-110°	128.9	3.1
110°-120°	67.6	1.6
120°-130°	19.7	0.5
130°-140°	0.5	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°	829.9	19.7
0°-40°	1426.8	33.9
0°-60°	2638.4	62.7
0°-90°	3791.1	90.1
90°-120°	397.1	9.4
90°-150°	417.3	9.9
90°-180°	417.0	9.9
0°-180°	4208.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	950	950	945	957	957	90
15°	911	929	970	1027	1044	257
25°	837	884	1003	1118	1153	386
35°	733	814	995	1097	1112	458
45°	605	713	879	916	920	466
55°	458	570	687	734	750	410
65°	299	409	520	584	603	298
75°	144	266	392	467	491	154
85°	23	156	289	371	398	30
90°	0	114	245	328	354	1
95°	2	83	206	288	313	1
105°	2	27	134	209	233	2
115°	1	2	64	130	152	1
125°	1	0	0	46	69	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°	947.7	947.7	947.7	947.7	947.7
2.5°	954.8	950.7	941.5	949.7	947.7
5°	950.2	949.7	944.6	956.8	956.8
7.5°	944.1	946.1	948.7	969.1	970.6
10°	935.9	942.0	954.8	985.9	992.6
12.5°	924.2	935.4	959.9	1004.8	1015.5
15°	910.9	928.8	969.6	1027.3	1043.6
17.5°	895.6	919.1	979.3	1054.8	1079.3
20°	878.8	909.4	986.9	1079.8	1106.9
22.5°	859.4	897.6	995.1	1100.2	1130.9
25°	836.9	883.9	1003.3	1118.1	1153.3
27.5°	814.5	869.6	1007.9	1129.3	1163.5
30°	787.9	853.8	1009.4	1130.9	1159.9
32.5°	761.9	836.4	1004.8	1120.1	1143.1
35°	732.8	814.5	995.1	1096.7	1111.5
37.5°	702.7	791.0	978.3	1060.4	1069.6
40°	673.1	769.0	952.2	1014.5	1018.6
42.5°	638.9	741.0	918.6	966.0	970.1
45°	605.2	712.9	878.8	916.5	920.1
47.5°	569.5	680.8	831.8	867.0	875.7
50°	532.8	645.5	783.8	821.1	830.3
52.5°	497.0	609.3	735.4	777.7	788.4
55°	458.3	569.5	687.4	734.3	749.6
57.5°	421.0	530.2	641.0	693.0	709.8
60°	382.2	489.9	600.1	654.7	670.0
62.5°	341.4	449.1	558.3	619.5	638.9
65°	299.0	409.3	520.5	584.3	603.2
67.5°	261.8	371.0	484.3	551.6	573.1
70°	221.5	334.3	452.6	522.6	544.0
72.5°	182.2	300.1	421.0	494.5	517.5
75°	144.4	266.4	392.4	466.9	491.4
77.5°	107.7	235.3	364.4	441.9	466.4
80°	75.5	206.7	338.3	417.9	444.0
82.5°	46.9	181.2	312.8	394.5	421.0
85°	23.0	155.6	288.8	371.0	397.5
87.5°	6.6	133.2	266.4	348.5	374.6
90°	0.5	114.3	245.0	328.1	354.2
92.5°	1.0	97.5	226.6	307.7	335.3
95°	1.5	82.7	206.2	287.8	313.3
97.5°	1.5	68.4	187.3	267.9	292.9
100°	1.5	54.6	168.9	247.0	272.5
102.5°	1.5	41.3	151.1	227.6	252.1
105°	1.5	27.0	134.2	208.7	233.2
107.5°	1.5	11.7	116.4	188.3	212.8
110°	1.5	2.6	99.0	169.4	193.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	1.5	82.7	149.5	173.5
115°	1.0	1.5	64.3	129.6	152.1
117.5°	1.0	1.0	43.9	110.2	133.2
120°	1.0	1.0	23.0	90.8	111.8
122.5°	1.0	0.5	4.6	69.4	92.4
125°	1.0	0.5	0.0	46.4	68.9
127.5°	1.0	0.5	0.0	24.0	46.9
130°	0.5	0.5	0.0	3.6	22.5
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)