

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: P290159

Luminaire Tested: **8SSRK-LN-10-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LN-10-L950-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9545.7 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

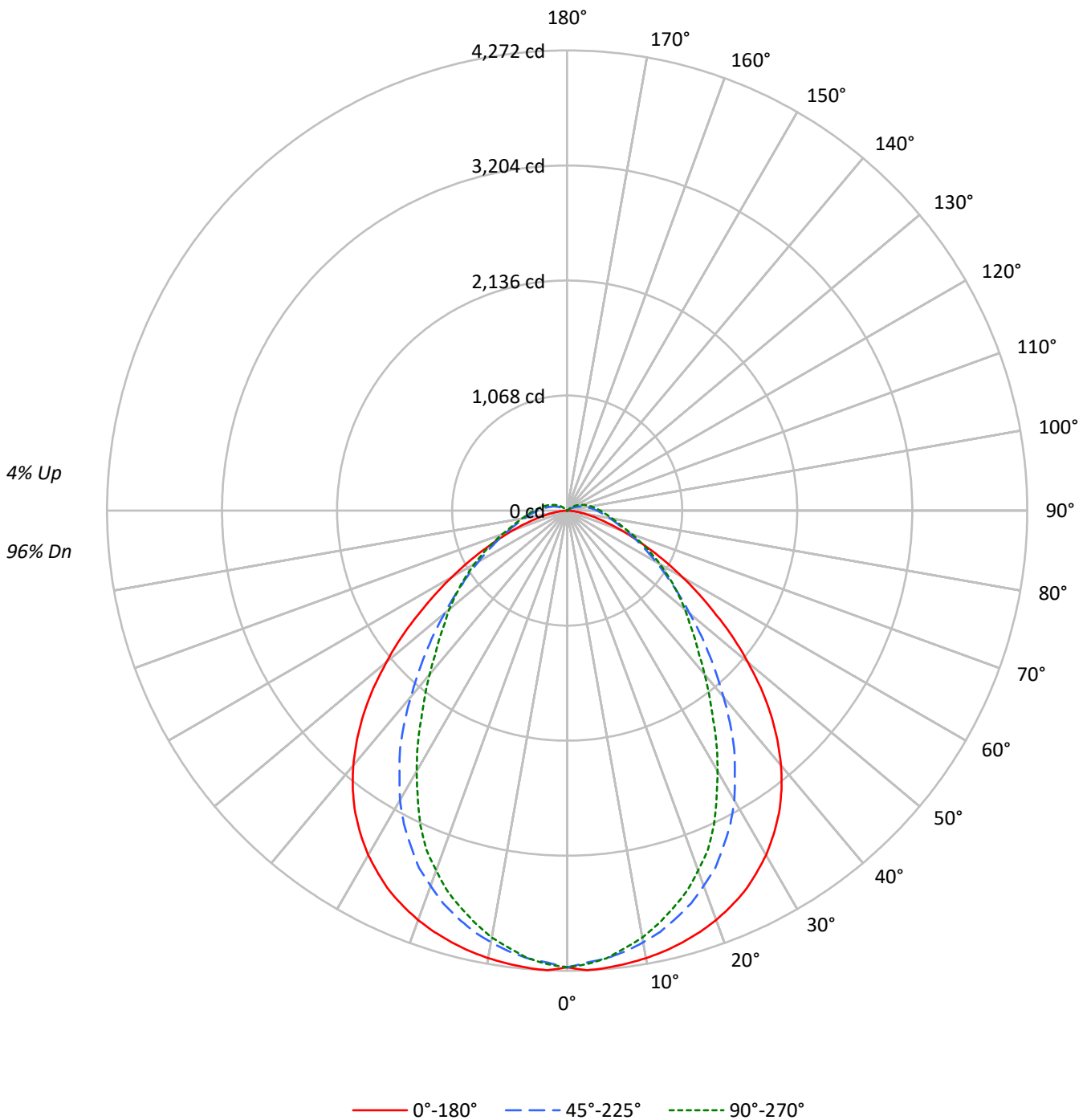
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	136922	136922	136922
5°	137849	108317	100197
10°	137830	88882	77385
15°	137904	74323	61572
20°	137952	62602	49749
25°	137580	52627	40080
30°	136083	43802	31458
35°	133257	35676	24486
40°	128041	28095	19238
45°	119626	21958	15288
50°	107309	16977	12449
55°	92494	13213	10112
60°	77044	10366	8130
65°	61416	8159	6421
70°	47920	6460	5048
75°	35864	5247	4018
80°	25944	4327	3332
85°	16129	3651	2840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.1	4.2
10°-20°	1114.8	11.7
20°-30°	1606.6	16.8
30°-40°	1740.3	18.2
40°-50°	1541.3	16.1
50°-60°	1172.8	12.3
60°-70°	781.4	8.2
70°-80°	482.8	5.1
80°-90°	302.5	3.2
90°-100°	198.7	2.1
100°-110°	121.8	1.3
110°-120°	62.9	0.7
120°-130°	20.6	0.2
130°-140°	1.2	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°	3119.4	32.7
0°-40°	4859.7	50.9
0°-60°	7573.9	79.3
0°-90°	9140.5	95.8
90°-120°	383.4	4.0
90°-150°	405.2	4.2
90°-180°	405.0	4.2
0°-180°	9545.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4240	4240	4240	4240	4240	
5°	4260	4234	4173	4189	4173	405
15°	4148	4070	3917	3864	3816	1172
25°	3899	3716	3435	3288	3223	1794
35°	3430	3109	2707	2452	2361	2137
45°	2674	2255	1848	1708	1674	2051
55°	1692	1381	1188	1202	1206	1520
65°	840	736	758	802	805	848
75°	310	377	488	521	513	343
85°	54	194	330	364	358	66
90°	2	142	275	310	308	4
95°	6	100	228	264	263	4
105°	3	39	143	182	186	4
115°	3	3	73	113	124	3
125°	2	2	2	49	62	2
135°	0	0	0	0	0	1
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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CATALOG NUMBER: 8SSRK-LN-10-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4240.2	4240.2	4240.2	4240.2	4240.2
2.5°	4271.6	4248.1	4199.8	4227.8	4214.4
5°	4260.4	4233.5	4172.8	4188.6	4172.8
7.5°	4242.4	4208.8	4127.9	4134.7	4097.6
10°	4218.9	4174.0	4069.6	4058.3	4024.6
12.5°	4188.6	4125.7	4003.3	3958.4	3925.9
15°	4148.1	4069.6	3916.9	3864.1	3815.8
17.5°	4102.1	4001.1	3823.7	3759.7	3702.5
20°	4044.9	3918.0	3706.9	3618.3	3555.4
22.5°	3975.3	3827.1	3591.3	3462.2	3411.7
25°	3898.9	3715.9	3435.3	3288.2	3223.1
27.5°	3799.0	3593.6	3281.5	3097.4	3004.2
30°	3693.5	3448.7	3103.0	2890.8	2792.0
32.5°	3566.6	3290.4	2896.4	2670.8	2583.2
35°	3429.7	3108.6	2706.7	2451.8	2360.9
37.5°	3268.0	2912.1	2481.0	2247.5	2167.8
40°	3090.6	2698.8	2256.5	2051.1	1988.2
42.5°	2888.5	2482.1	2045.4	1868.1	1814.2
45°	2674.1	2255.4	1847.9	1707.5	1673.9
47.5°	2440.6	2028.6	1662.6	1562.7	1538.0
50°	2189.1	1801.8	1483.0	1428.0	1429.1
52.5°	1950.0	1587.4	1330.3	1315.7	1312.4
55°	1691.8	1380.8	1187.7	1202.3	1205.7
57.5°	1458.3	1188.9	1066.5	1093.4	1096.8
60°	1236.0	1017.1	950.9	992.4	998.0
62.5°	1032.8	870.0	852.1	894.7	893.6
65°	839.7	736.4	757.8	801.6	804.9
67.5°	675.8	627.6	679.2	717.4	715.1
70°	536.6	529.9	602.9	643.3	641.0
72.5°	417.6	447.9	543.4	578.2	569.2
75°	309.8	377.2	488.3	520.9	513.0
77.5°	227.9	318.8	440.1	471.5	465.9
80°	156.0	270.6	398.5	431.1	424.4
82.5°	99.9	230.1	362.6	394.0	389.6
85°	53.9	194.2	330.1	363.7	358.1
87.5°	20.2	165.0	300.9	334.5	332.3
90°	2.2	141.5	275.0	309.8	307.6
92.5°	3.4	120.1	250.3	286.3	286.3
95°	5.6	99.9	227.9	263.8	262.7
97.5°	4.5	84.2	203.2	242.5	242.5
100°	4.5	69.6	180.7	220.0	222.3
102.5°	4.5	55.0	161.7	199.8	204.3
105°	3.4	39.3	142.6	181.9	186.4
107.5°	3.4	22.5	123.5	165.0	170.6
110°	3.4	5.6	106.7	147.1	153.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	3.4	89.8	130.2	137.0
115°	3.4	3.4	73.0	113.4	123.5
117.5°	2.2	2.2	53.9	98.8	107.8
120°	2.2	2.2	33.7	83.1	92.1
122.5°	2.2	2.2	14.6	66.2	78.6
125°	2.2	2.2	2.2	49.4	61.7
127.5°	2.2	2.2	1.1	29.2	43.8
130°	2.2	2.2	1.1	11.2	26.9
132.5°	2.2	2.2	1.1	1.1	7.9
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)