

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: P290494

Luminaire Tested: **8SSRK-SLW-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-60-L940-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

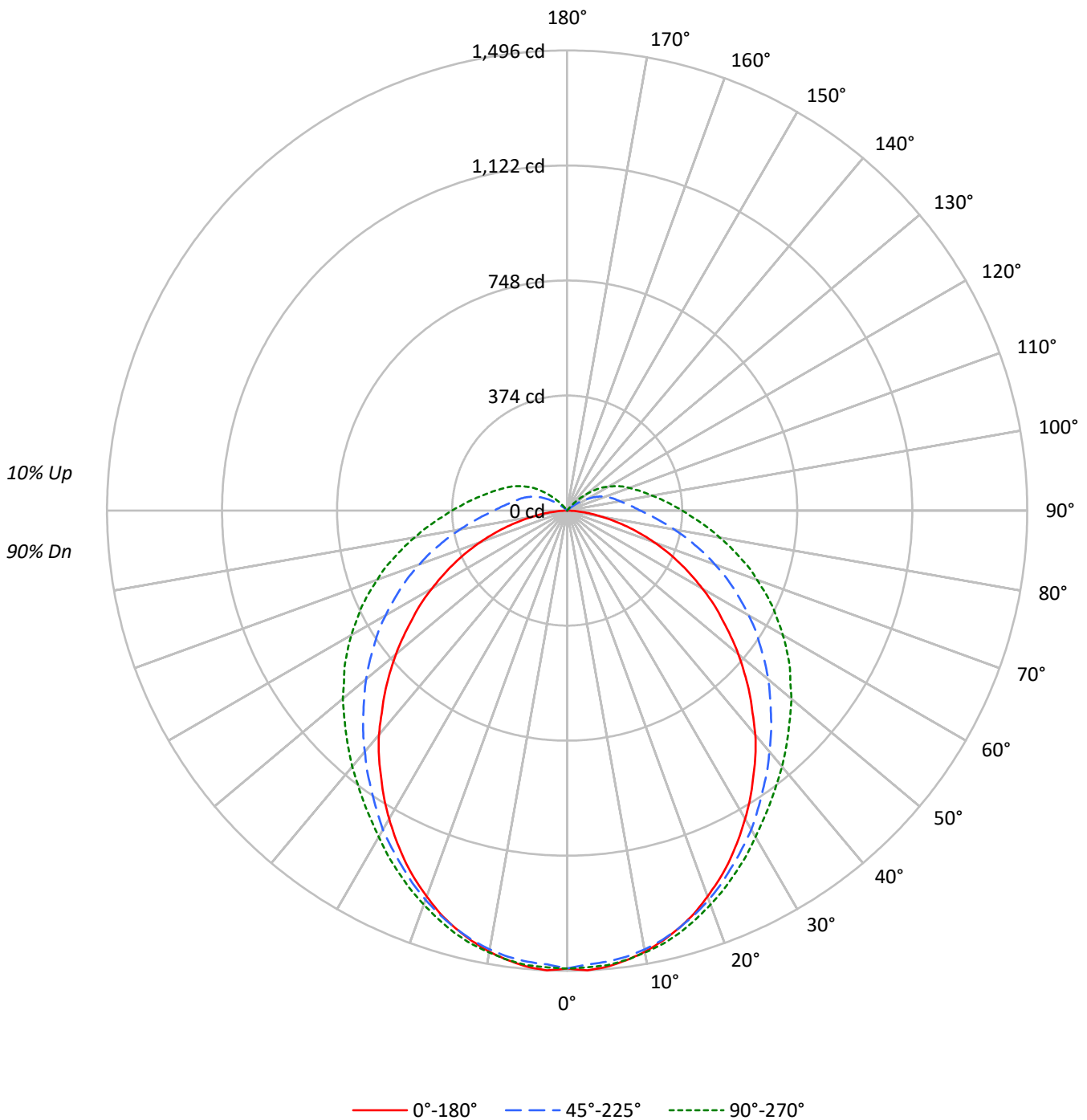
Lumens per Lamp: N/A
Luminaire Lumens: 5045.9 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 41.3831
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	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48072	48072	48072
5°	48168	38221	35626
10°	47590	31649	28058
15°	46713	26662	22916
20°	45524	22743	19072
25°	44193	19505	16137
30°	42647	16908	13800
35°	40995	14619	11973
40°	39441	12738	10520
45°	37501	11134	9292
50°	35642	9770	8293
55°	33601	8522	7410
60°	31653	7432	6598
65°	29461	6421	5875
70°	26826	5474	5171
75°	23350	4606	4534
80°	18909	3836	3952
85°	13346	3198	3443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	2.8
10°-20°	397.9	7.9
20°-30°	588.6	11.7
30°-40°	695.2	13.8
40°-50°	722.7	14.3
50°-60°	681.3	13.5
60°-70°	580.8	11.5
70°-80°	439.2	8.7
80°-90°	296.4	5.9
90°-100°	203.5	4.0
100°-110°	145.9	2.9
110°-120°	93.6	1.9
120°-130°	47.8	0.9
130°-140°	12.1	0.2
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1127.2	22.3
0°-40°	1822.4	36.1
0°-60°	3226.4	63.9
0°-90°	4542.8	90.0
90°-120°	443.0	8.8
90°-150°	503.1	10.0
90°-180°	503.0	10.0
0°-180°	5045.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1489	1489	1489	1489	1489	
5°	1489	1485	1472	1486	1484	141
15°	1405	1410	1405	1419	1420	396
25°	1252	1267	1273	1295	1298	576
35°	1055	1080	1109	1142	1154	661
45°	838	880	937	995	1017	647
55°	615	678	766	848	884	551
65°	403	484	596	695	736	400
75°	202	300	429	538	579	216
85°	45	150	289	396	434	51
90°	1	106	238	339	374	3
95°	1	84	202	292	324	1
105°	1	54	153	221	246	1
115°	1	7	106	166	187	1
125°	1	2	45	104	124	1
135°	1	1	1	33	48	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1488.7	1488.7	1488.7	1488.7	1488.7
2.5°	1496.3	1491.2	1476.8	1489.3	1486.2
5°	1488.7	1484.9	1472.4	1486.2	1483.7
7.5°	1474.3	1473.6	1463.6	1478.0	1473.6
10°	1456.7	1457.3	1449.1	1463.6	1459.2
12.5°	1432.8	1435.3	1429.6	1443.5	1442.8
15°	1405.1	1409.5	1405.1	1419.0	1420.2
17.5°	1373.7	1380.6	1377.5	1394.4	1392.6
20°	1334.8	1344.2	1346.7	1363.7	1363.0
22.5°	1295.8	1307.7	1312.1	1329.7	1332.2
25°	1252.4	1266.9	1273.2	1295.2	1297.7
27.5°	1205.3	1224.1	1235.5	1257.5	1263.1
30°	1157.5	1177.6	1197.8	1219.8	1224.8
32.5°	1107.9	1129.9	1153.1	1183.3	1189.0
35°	1055.1	1080.2	1109.1	1142.5	1154.4
37.5°	1005.5	1033.7	1067.7	1106.6	1119.2
40°	952.0	981.0	1023.1	1067.0	1087.2
42.5°	892.3	931.3	981.6	1034.4	1052.0
45°	838.3	879.8	937.0	994.8	1017.4
47.5°	781.7	830.1	894.9	959.0	983.5
50°	727.1	779.9	853.4	922.5	952.0
52.5°	670.5	730.2	810.0	886.7	914.3
55°	614.6	678.1	766.0	848.4	883.5
57.5°	564.3	629.0	726.4	810.7	846.5
60°	507.8	582.5	681.8	772.3	810.0
62.5°	455.6	531.6	637.8	734.0	771.7
65°	402.8	484.5	596.4	695.0	736.5
67.5°	353.2	435.5	554.3	656.7	696.3
70°	300.4	389.6	510.9	616.5	656.7
72.5°	252.0	343.7	470.7	577.5	620.9
75°	201.7	299.8	428.6	537.9	578.8
77.5°	157.1	257.0	390.9	500.8	541.7
80°	113.7	218.1	353.2	463.8	503.4
82.5°	77.3	182.2	319.9	429.8	468.8
85°	44.6	150.2	289.1	395.9	434.2
87.5°	17.0	125.1	261.4	366.4	401.6
90°	0.6	106.2	237.5	338.7	374.5
92.5°	0.6	93.0	219.3	313.6	346.9
95°	0.6	84.2	202.3	291.6	324.3
97.5°	1.3	77.3	187.3	272.1	301.0
100°	1.3	70.4	174.7	253.3	280.9
102.5°	1.3	63.5	163.4	236.3	262.0
105°	1.3	54.0	153.3	220.6	245.7
107.5°	1.3	42.1	142.0	207.4	229.4
110°	1.3	30.8	130.1	194.2	215.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	18.9	119.4	181.0	201.7
115°	1.3	6.9	106.2	166.5	187.3
117.5°	1.3	2.5	90.5	152.7	170.9
120°	1.3	1.9	75.4	137.6	155.8
122.5°	1.3	1.9	59.7	121.3	140.8
125°	1.3	1.9	44.6	103.7	124.4
127.5°	1.3	1.3	28.9	85.5	104.3
130°	1.3	1.3	13.8	67.9	86.1
132.5°	1.3	1.3	0.6	49.6	67.2
135°	1.3	0.6	0.6	32.7	48.4
137.5°	1.3	0.6	0.0	15.7	31.4
140°	1.3	0.6	0.0	0.0	12.6
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)