Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P934704

Luminaire Tested: SQ4-FA-075U-050D-B40-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

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1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P934704
	REPORT IS A COMBINATION OF REPORTS P933708 AND P933786
Test Lab:	INNOVATION CENTER
Issue Date:	12/17/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	SQ4-FA-075U-050D-B40-1D-UNV-W2A-W-8
Description:	CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous l
	Lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9233.0 lumens
Efficiency:	N/A
Efficacy:	134.2 lumens/watt
Spacing Criteria (0/90/45):	1.14 / 1.26 / 1.36
Luminous Opening:	Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type:	Semi-Indirect

Input Watts (W):	68.8
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:	24 FT

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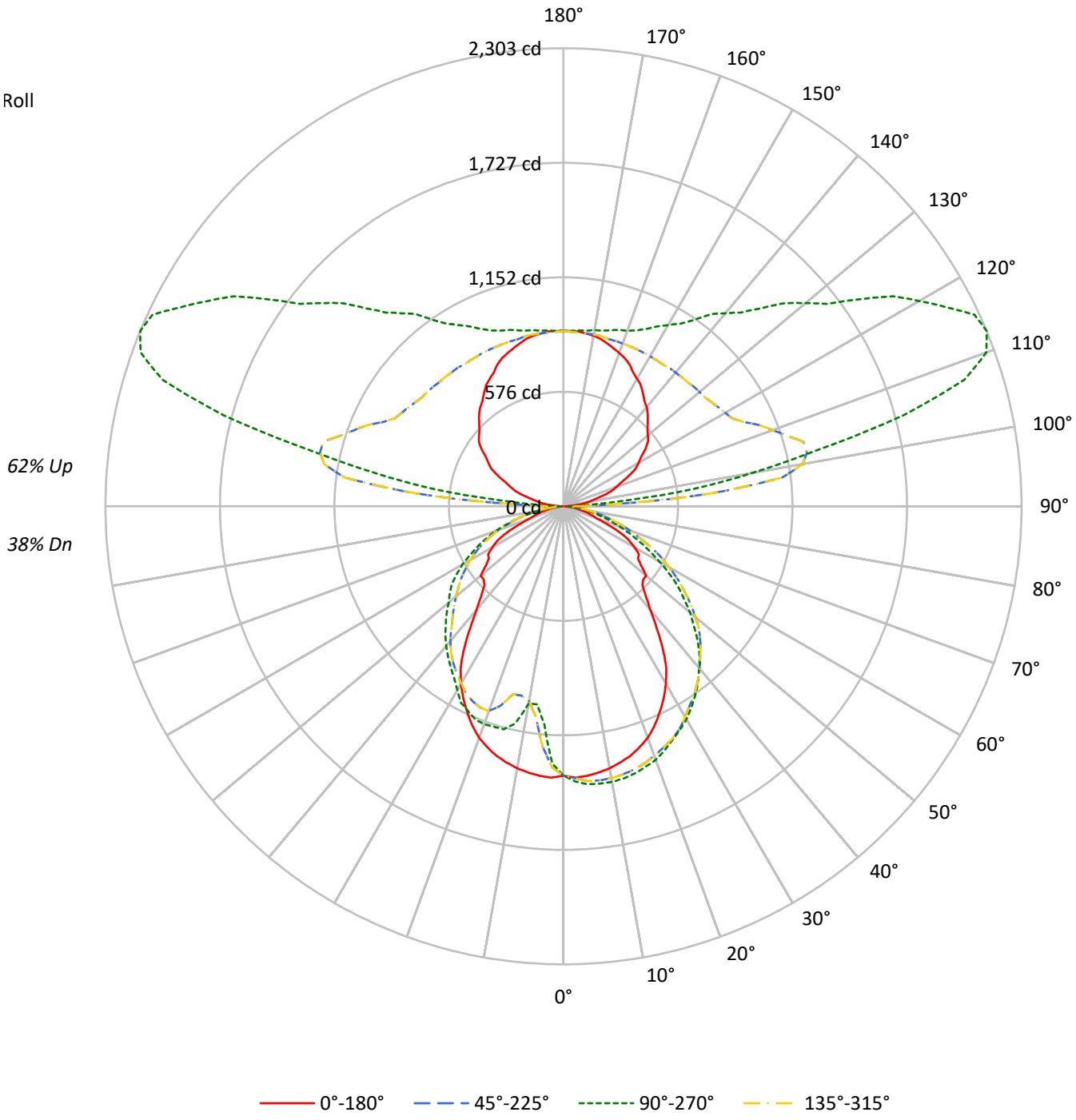
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6329	6341	6329	4986
10°	6286	6246	6286	4466
15°	6218	6111	6218	5103
20°	6088	5951	6088	5114
25°	5822	5717	5822	5005
30°	5478	5523	5478	4767
35°	4883	5277	4883	4506
40°	4069	4988	4069	4308
45°	3636	4650	3636	4081
50°	3863	4247	3863	3853
55°	3634	3812	3634	3721
60°	3747	3237	3747	3408
65°	3396	2676	3396	2992
70°	2352	2133	2352	2507
75°	2062	1576	2062	1888
80°	1662	1042	1662	1135
85°	955	553	955	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
Vertical Angle: 45°
Luminance: 5572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	1.3
10°-20°	347.0	3.8
20°-30°	536.4	5.8
30°-40°	640.4	6.9
40°-50°	644.1	7.0
50°-60°	560.5	6.1
60°-70°	397.4	4.3
70°-80°	210.2	2.3
80°-90°	55.7	0.6
90°-100°	430.0	4.7
100°-110°	1130.6	12.2
110°-120°	1172.3	12.7
120°-130°	940.3	10.2
130°-140°	737.8	8.0
140°-150°	566.3	6.1
150°-160°	407.8	4.4
160°-170°	249.5	2.7
170°-180°	84.3	0.9
0°-30°	1005.6	10.9
0°-40°	1646.0	17.8
0°-60°	2850.6	30.9
0°-90°	3514.0	38.1
90°-120°	2732.9	29.6
90°-150°	4977.3	53.9
90°-180°	5719.0	61.9
0°-180°	9233.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1354	1354	1354	1354	1354	
5°	1360	1403	1360	1103	1360	129
15°	1299	1390	1299	1160	1299	365
25°	1144	1296	1144	1135	1144	525
35°	870	1157	870	988	870	538
45°	561	953	561	836	561	449
55°	457	703	457	686	457	420
65°	318	424	318	474	318	304
75°	120	201	120	241	120	127
85°	20	51	20	44	20	28
90°	6	22	6	22	6	6
95°	57	260	57	260	57	63
105°	204	1770	204	1770	204	216
115°	362	2280	362	2280	362	357
125°	503	1815	503	1815	503	447
135°	600	1408	600	1408	600	464
145°	696	1143	696	1143	696	436
155°	786	984	786	984	786	361
165°	848	916	848	916	848	239
175°	882	888	882	888	882	84
180°	882	882	882	882	882	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1365.5	1365.5	1373.2	1375.8	1375.8	1371.9	1368.0	1371.9	1383.4	1387.2	1386.0
5°	1360.4	1370.6	1384.8	1387.2	1389.8	1388.6	1386.0	1388.6	1401.4	1403.9	1405.2
7.5°	1350.1	1369.4	1387.2	1391.1	1395.0	1391.1	1389.8	1392.4	1405.2	1407.8	1407.8
10°	1337.3	1364.2	1384.8	1387.2	1391.1	1387.2	1387.2	1392.4	1405.2	1407.8	1409.0
12.5°	1319.3	1356.5	1375.8	1378.3	1383.4	1382.2	1380.8	1386.0	1398.8	1401.4	1401.4
15°	1298.9	1342.4	1360.4	1362.9	1371.9	1369.4	1369.4	1374.4	1388.6	1392.4	1391.1
17.5°	1270.7	1324.5	1345.0	1348.8	1355.2	1354.0	1355.2	1360.4	1373.2	1375.8	1377.0
20°	1238.6	1300.1	1324.5	1328.3	1334.7	1334.7	1334.7	1341.1	1354.0	1359.1	1359.1
22.5°	1195.1	1274.5	1300.1	1302.7	1310.5	1310.5	1312.9	1321.9	1333.5	1334.7	1334.7
25°	1143.9	1246.4	1268.1	1275.8	1283.5	1287.3	1291.2	1296.3	1300.1	1298.9	1300.1
27.5°	1090.1	1210.5	1238.6	1243.8	1254.0	1257.9	1263.0	1264.3	1265.6	1269.4	1266.9
30°	1029.9	1160.5	1202.8	1208.0	1224.6	1227.2	1222.0	1224.6	1231.0	1233.6	1236.2
32.5°	962.0	1086.2	1165.7	1177.2	1192.6	1184.9	1183.6	1187.4	1197.7	1197.7	1200.2
35°	869.7	1028.6	1131.1	1141.3	1152.9	1143.9	1149.1	1150.3	1156.7	1160.5	1159.3
37.5°	768.6	978.7	1095.2	1102.9	1111.9	1100.4	1108.0	1111.9	1117.0	1114.4	1114.4
40°	678.9	900.5	1053.0	1058.0	1065.8	1056.8	1064.4	1067.0	1069.6	1067.0	1065.8
42.5°	612.3	814.7	1008.1	1014.5	1009.3	1015.8	1018.3	1023.5	1019.7	1014.5	1014.5
45°	561.1	791.6	959.4	967.1	959.4	969.7	973.5	973.5	962.0	959.4	958.2
47.5°	544.4	745.5	910.8	910.8	906.9	919.8	926.2	917.2	905.6	901.8	901.8
50°	543.1	694.3	844.1	839.1	856.9	872.3	865.9	856.9	847.9	833.9	833.9
52.5°	493.2	631.5	758.4	777.6	805.7	814.7	804.4	795.5	780.1	773.6	768.6
55°	457.3	566.2	680.2	718.6	748.1	759.6	740.4	731.4	708.3	704.5	701.9
57.5°	449.6	471.4	608.4	657.1	692.9	691.7	680.2	663.5	644.3	640.5	639.2
60°	412.5	340.7	531.6	589.2	626.4	622.6	612.3	596.9	579.0	576.4	573.9
62.5°	374.1	247.2	444.5	509.8	562.3	561.1	552.1	529.1	516.2	509.8	504.7
65°	317.6	207.5	316.4	424.0	499.6	502.1	482.9	466.2	452.2	444.5	443.2
67.5°	242.1	169.1	213.9	353.5	439.4	436.8	412.5	404.8	386.9	383.1	375.3
70°	179.3	112.7	148.6	287.0	380.5	374.1	354.8	345.9	329.2	320.2	315.2
72.5°	148.6	90.9	108.9	222.9	320.2	312.6	295.9	285.6	271.6	263.9	258.7
75°	120.4	96.1	83.3	165.2	260.0	254.9	239.5	229.3	217.7	207.5	208.8
77.5°	88.4	89.7	66.6	121.7	206.3	198.5	189.6	176.8	171.6	161.4	161.4
80°	66.6	70.5	49.9	83.3	148.6	148.6	140.9	132.0	123.0	117.8	117.8
82.5°	44.8	44.8	37.1	52.5	101.2	97.3	92.3	89.7	84.5	81.9	81.9
85°	20.5	25.6	23.0	32.0	55.1	57.7	57.7	55.1	53.8	51.3	52.5
87.5°	6.4	11.6	14.1	18.0	28.2	29.5	30.8	30.8	30.8	32.0	32.0
90°	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.0	30.0	22.5	22.5
92.5°	23.7	64.0	104.3	114.3	160.7	222.5	253.5	222.1	159.5	112.5	108.0
95°	56.8	130.5	204.2	222.6	395.3	625.5	740.7	661.0	501.5	381.9	368.3
97.5°	98.3	163.3	228.3	244.6	532.5	916.4	1108.4	1057.9	957.2	881.7	855.9
100°	130.3	189.2	248.2	262.9	582.5	1008.5	1221.4	1225.2	1232.5	1238.1	1207.3
102.5°	157.5	212.5	267.5	281.2	605.3	1037.4	1253.4	1317.6	1446.1	1542.4	1516.1
105°	203.7	250.3	296.8	308.5	622.3	1040.7	1249.9	1393.8	1681.7	1897.6	1883.5
107.5°	251.1	294.5	337.9	348.8	625.4	994.3	1178.9	1379.6	1781.2	2082.4	2085.8
110°	283.1	322.2	361.4	371.2	620.7	953.3	1119.6	1344.1	1793.0	2129.7	2144.5

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	*314.4*	*351.7*	*389.1*	*398.4*	*620.8*	*917.5*	*1065.8*	*1295.6*	*1755.0*	*2099.6*	*2122.2*
115°	361.8	396.2	430.7	439.3	626.6	876.3	1001.2	1222.5	1665.1	1997.1	2028.5
117.5°	408.5	439.9	471.2	479.0	638.3	850.6	956.8	1156.5	1556.0	1855.6	1890.3
120°	435.8	465.2	494.7	502.0	647.7	841.9	939.1	1121.6	1486.6	1760.3	1794.1
122.5°	462.4	492.2	521.9	529.4	661.3	837.3	925.4	1089.8	1418.5	1664.9	1698.3
125°	503.3	530.4	557.4	564.2	679.7	833.6	910.6	1050.2	1329.4	1538.8	1569.5
127.5°	536.4	563.8	591.1	598.0	698.1	831.5	898.2	1018.0	1257.7	1437.6	1463.4
130°	554.2	583.6	613.1	620.5	711.5	832.9	893.5	1000.2	1213.6	1373.7	1397.6
132.5°	572.5	602.0	631.5	638.9	722.4	833.6	889.3	984.8	1175.9	1319.1	1340.6
135°	599.7	626.6	653.5	660.2	734.2	832.9	882.2	962.3	1122.2	1242.2	1260.7
137.5°	627.6	654.2	680.7	687.4	752.0	838.0	881.0	948.6	1083.9	1185.3	1200.4
140°	650.7	675.2	699.6	705.7	762.8	838.9	876.9	935.3	1052.1	1139.8	1153.9
142.5°	668.5	691.1	713.8	719.4	771.9	841.9	876.9	928.2	1030.8	1107.8	1119.9
145°	695.7	715.5	735.2	740.1	783.8	841.9	871.0	913.0	996.9	1059.9	1069.0
147.5°	722.9	742.1	761.4	766.2	801.1	847.7	871.0	904.0	970.0	1019.6	1027.2
150°	740.7	758.1	775.5	779.8	810.1	850.7	871.0	898.8	954.6	996.4	1002.7
152.5°	759.0	772.2	785.4	788.6	816.0	852.6	871.0	894.7	942.4	978.1	982.8
155°	786.3	796.0	805.7	808.2	829.1	857.0	871.0	889.9	927.8	956.2	959.3
157.5°	806.4	815.9	825.3	827.7	842.1	861.3	871.0	885.7	915.2	937.2	939.4
160°	820.1	827.4	834.8	836.6	848.0	863.3	871.0	883.6	908.9	927.8	929.0
162.5°	833.6	839.2	844.7	846.1	854.4	865.4	871.0	881.7	903.0	918.9	920.0
165°	848.4	853.4	858.4	859.7	863.4	868.5	871.0	878.6	893.9	905.3	906.6
167.5°	862.1	864.5	866.9	867.4	870.6	874.8	876.9	881.8	891.9	899.4	899.9
170°	871.0	873.3	875.7	876.3	876.5	876.8	876.9	881.8	891.9	899.4	899.4
172.5°	875.7	876.2	876.8	876.9	876.9	876.9	876.9	880.8	888.7	894.6	894.2
175°	882.2	882.2	882.2	882.2	880.4	878.0	876.9	879.4	884.4	888.2	888.2
177.5°	882.2	882.2	882.2	882.2	880.8	879.0	878.0	880.0	883.9	886.9	886.4
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1388.6	1384.8	1388.6	1386.0	1387.2	1383.4	1371.9	1368.0	1371.9	1375.8	1375.8
5°	1405.2	1402.6	1405.2	1405.2	1403.9	1401.4	1388.6	1386.0	1388.6	1389.8	1387.2
7.5°	1410.3	1406.5	1410.3	1407.8	1407.8	1405.2	1392.4	1389.8	1391.1	1395.0	1391.1
10°	1410.3	1406.5	1410.3	1409.0	1407.8	1405.2	1392.4	1387.2	1387.2	1391.1	1387.2
12.5°	1403.9	1401.4	1403.9	1401.4	1401.4	1398.8	1386.0	1380.8	1382.2	1383.4	1378.3
15°	1393.6	1389.8	1393.6	1391.1	1392.4	1388.6	1374.4	1369.4	1369.4	1371.9	1362.9
17.5°	1378.3	1373.2	1378.3	1377.0	1375.8	1373.2	1360.4	1355.2	1354.0	1355.2	1348.8
20°	1360.4	1356.5	1360.4	1359.1	1359.1	1354.0	1341.1	1334.7	1334.7	1334.7	1328.3
22.5°	1332.2	1328.3	1332.2	1334.7	1334.7	1333.5	1321.9	1312.9	1310.5	1310.5	1302.7
25°	1300.1	1296.3	1300.1	1300.1	1298.9	1300.1	1296.3	1291.2	1287.3	1283.5	1275.8
27.5°	1269.4	1266.9	1269.4	1266.9	1269.4	1265.6	1264.3	1263.0	1257.9	1254.0	1243.8
30°	1238.6	1236.2	1238.6	1236.2	1233.6	1231.0	1224.6	1222.0	1227.2	1224.6	1208.0
32.5°	1200.2	1197.7	1200.2	1200.2	1197.7	1197.7	1187.4	1183.6	1184.9	1192.6	1177.2
35°	1160.5	1156.7	1160.5	1159.3	1160.5	1156.7	1150.3	1149.1	1143.9	1152.9	1141.3
37.5°	1114.4	1110.6	1114.4	1114.4	1114.4	1117.0	1111.9	1108.0	1100.4	1111.9	1102.9
40°	1067.0	1061.9	1067.0	1065.8	1067.0	1069.6	1067.0	1064.4	1056.8	1065.8	1058.0
42.5°	1013.3	1011.9	1013.3	1014.5	1014.5	1019.7	1023.5	1018.3	1015.8	1009.3	1014.5
45°	955.6	953.0	955.6	958.2	959.4	962.0	973.5	973.5	969.7	959.4	967.1
47.5°	894.1	887.7	894.1	901.8	901.8	905.6	917.2	926.2	919.8	906.9	910.8
50°	828.7	830.1	828.7	833.9	833.9	847.9	856.9	865.9	872.3	856.9	839.1
52.5°	764.8	763.4	764.8	768.6	773.6	780.1	795.5	804.4	814.7	805.7	777.6
55°	700.7	703.3	700.7	701.9	704.5	708.3	731.4	740.4	759.6	748.1	718.6
57.5°	636.6	632.8	636.6	639.2	640.5	644.3	663.5	680.2	691.7	692.9	657.1
60°	562.3	557.2	562.3	573.9	576.4	579.0	596.9	612.3	622.6	626.4	589.2
62.5°	497.0	488.0	497.0	504.7	509.8	516.2	529.1	552.1	561.1	562.3	509.8
65°	427.8	424.0	427.8	443.2	444.5	452.2	466.2	482.9	502.1	499.6	424.0
67.5°	365.1	365.1	365.1	375.3	383.1	386.9	404.8	412.5	436.8	439.4	353.5
70°	307.4	306.2	307.4	315.2	320.2	329.2	345.9	354.8	374.1	380.5	287.0
72.5°	252.3	251.1	252.3	258.7	263.9	271.6	285.6	295.9	312.6	320.2	222.9
75°	203.7	201.1	203.7	208.8	207.5	217.7	229.3	239.5	254.9	260.0	165.2
77.5°	156.2	156.2	156.2	161.4	161.4	171.6	176.8	189.6	198.5	206.3	121.7
80°	116.6	115.3	116.6	117.8	117.8	123.0	132.0	140.9	148.6	148.6	83.3
82.5°	81.9	79.5	81.9	81.9	81.9	84.5	89.7	92.3	97.3	101.2	52.5
85°	51.3	51.3	51.3	52.5	51.3	53.8	55.1	57.7	57.7	55.1	32.0
87.5°	33.3	32.0	33.3	32.0	32.0	30.8	30.8	30.8	29.5	28.2	18.0
90°	22.5	22.5	22.5	22.5	22.5	30.0	40.0	45.0	38.7	26.1	16.6
92.5°	90.2	72.2	90.2	108.0	112.5	159.5	222.1	253.5	222.5	160.7	114.3
95°	314.2	260.0	314.2	368.3	381.9	501.5	661.0	740.7	625.5	395.3	222.6
97.5°	752.6	649.5	752.6	855.9	881.7	957.2	1057.9	1108.4	916.4	532.5	244.6
100°	1084.5	961.6	1084.5	1207.3	1238.1	1232.5	1225.2	1221.4	1008.5	582.5	262.9
102.5°	1410.8	1305.6	1410.8	1516.1	1542.4	1446.1	1317.6	1253.4	1037.4	605.3	281.2
105°	1826.8	1770.3	1826.8	1883.5	1897.6	1681.7	1393.8	1249.9	1040.7	622.3	308.5
107.5°	2099.5	2113.1	2099.5	2085.8	2082.4	1781.2	1379.6	1178.9	994.3	625.4	348.8
110°	2203.5	2262.4	2203.5	2144.5	2129.7	1793.0	1344.1	1119.6	953.3	620.7	371.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P934704
CATALOG NUMBER: SQ4-FA-075U-050D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	*2212.6*	*2303.2*	*2212.6*	*2122.2*	*2099.6*	*1755.0*	*1295.6*	*1065.8*	*917.5*	*620.8*	*398.4*
115°	2154.0	*2279.5*	2154.0	2028.5	1997.1	1665.1	1222.5	1001.2	876.3	626.6	439.3
117.5°	2029.6	*2168.8*	2029.6	1890.3	1855.6	1556.0	1156.5	956.8	850.6	638.3	479.0
120°	1929.4	*2064.6*	1929.4	1794.1	1760.3	1486.6	1121.6	939.1	841.9	647.7	502.0
122.5°	1831.7	*1965.1*	1831.7	1698.3	1664.9	1418.5	1089.8	925.4	837.3	661.3	529.4
125°	1692.5	*1815.4*	1692.5	1569.5	1538.8	1329.4	1050.2	910.6	833.6	679.7	564.2
127.5°	1567.2	*1670.9*	1567.2	1463.4	1437.6	1257.7	1018.0	898.2	831.5	698.1	598.0
130°	1493.3	*1589.1*	1493.3	1397.6	1373.7	1213.6	1000.2	893.5	832.9	711.5	620.5
132.5°	1426.4	*1512.1*	1426.4	1340.6	1319.1	1175.9	984.8	889.3	833.6	722.4	638.9
135°	1334.6	*1408.5*	1334.6	1260.7	1242.2	1122.2	962.3	882.2	832.9	734.2	660.2
137.5°	1261.0	*1321.5*	1261.0	1200.4	1185.3	1083.9	948.6	881.0	838.0	752.0	687.4
140°	1210.6	*1267.1*	1210.6	1153.9	1139.8	1052.1	935.3	876.9	838.9	762.8	705.7
142.5°	1168.6	*1217.3*	1168.6	1119.9	1107.8	1030.8	928.2	876.9	841.9	771.9	719.4
145°	1105.9	*1142.8*	1105.9	1069.0	1059.9	996.9	913.0	871.0	841.9	783.8	740.1
147.5°	1057.7	*1088.2*	1057.7	1027.2	1019.6	970.0	904.0	871.0	847.7	801.1	766.2
150°	1027.4	*1052.1*	1027.4	1002.7	996.4	954.6	898.8	871.0	850.7	810.1	779.8
152.5°	1001.4	*1020.1*	1001.4	982.8	978.1	942.4	894.7	871.0	852.6	816.0	788.6
155°	971.7	*984.0*	971.7	959.3	956.2	927.8	889.9	871.0	857.0	829.1	808.2
157.5°	948.1	*956.8*	948.1	939.4	937.2	915.2	885.7	871.0	861.3	842.1	827.7
160°	934.1	*939.1*	934.1	929.0	927.8	908.9	883.6	871.0	863.3	848.0	836.6
162.5°	924.8	*929.6*	924.8	920.0	918.9	903.0	881.7	871.0	865.4	854.4	846.1
165°	911.5	*916.5*	911.5	906.6	905.3	893.9	878.6	871.0	868.5	863.4	859.7
167.5°	902.0	*904.1*	902.0	899.9	899.4	891.9	881.8	876.9	874.8	870.6	867.4
170°	899.4	*899.4*	899.4	899.4	899.4	891.9	881.8	876.9	876.8	876.5	876.3
172.5°	892.4	*890.5*	892.4	894.2	894.6	888.7	880.8	876.9	876.9	876.9	876.9
175°	888.2	*888.2*	888.2	888.2	888.2	884.4	879.4	876.9	878.0	880.4	882.2
177.5°	884.3	*882.2*	884.3	886.4	886.9	883.9	880.0	878.0	879.0	880.8	882.2
180°	882.2	*882.2*	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P934704
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1373.2	1365.5	1365.5	1352.7	1347.6	1343.7	1337.3	1318.1	1312.9	1307.9	1315.5
5°	1384.8	1370.6	1360.4	1337.3	1318.1	1310.5	1286.1	1240.0	1209.2	1186.1	1173.3
7.5°	1387.2	1369.4	1350.1	1314.3	1268.1	1247.6	1173.3	1088.8	1065.8	1045.2	1032.5
10°	1384.8	1364.2	1337.3	1283.5	1174.6	1138.7	1064.4	1009.3	995.3	991.5	995.3
12.5°	1375.8	1356.5	1319.3	1229.8	1077.2	1053.0	1009.3	977.3	974.8	981.2	1015.8
15°	1360.4	1342.4	1298.9	1157.9	1023.5	1005.5	974.8	963.3	977.3	1022.2	1125.9
17.5°	1345.0	1324.5	1270.7	1087.6	982.5	969.7	947.9	970.9	1050.4	1110.6	1145.1
20°	1324.5	1300.1	1238.6	1036.3	953.0	941.5	931.2	1035.0	1095.2	1117.0	1136.2
22.5°	1300.1	1274.5	1195.1	1000.5	922.2	913.4	919.8	1070.8	1095.2	1110.6	1127.2
25°	1268.1	1246.4	1143.9	972.3	898.0	887.7	912.0	1067.0	1081.2	1085.0	1118.3
27.5°	1238.6	1210.5	1090.1	946.6	868.5	864.7	918.4	1050.4	1060.6	1064.4	1100.4
30°	1202.8	1160.5	1029.9	919.8	837.7	836.5	919.8	1029.9	1027.3	1037.6	1073.4
32.5°	1165.7	1086.2	962.0	886.4	808.3	807.0	910.8	999.1	996.5	1010.7	1037.6
35°	1131.1	1028.6	869.7	847.9	771.2	772.4	889.0	963.3	964.6	977.3	994.1
37.5°	1095.2	978.7	768.6	805.7	735.3	735.3	859.5	930.0	927.4	931.2	954.3
40°	1053.0	900.5	678.9	750.6	701.9	698.1	823.7	894.1	885.1	883.9	915.8
42.5°	1008.1	814.7	612.3	677.7	663.5	658.4	780.1	850.5	833.9	837.7	878.7
45°	959.4	791.6	561.1	572.6	623.8	620.0	732.7	800.6	789.0	799.3	841.5
47.5°	910.8	745.5	544.4	475.2	581.6	580.3	680.2	751.9	745.5	755.8	800.6
50°	844.1	694.3	543.1	407.3	534.1	539.3	617.4	704.5	704.5	713.5	760.8
52.5°	758.4	631.5	493.2	368.9	479.0	494.4	562.3	663.5	666.1	675.1	717.3
55°	680.2	566.2	457.3	339.4	413.7	447.0	508.5	621.2	626.4	635.4	673.8
57.5°	608.4	471.4	449.6	304.8	353.5	385.5	461.2	580.3	582.8	590.5	627.6
60°	531.6	340.7	412.5	267.7	301.0	325.4	417.6	531.6	540.5	545.7	577.7
62.5°	444.5	247.2	374.1	242.1	275.4	280.5	381.7	485.5	497.0	500.9	520.1
65°	316.4	207.5	317.6	220.3	248.5	249.8	343.3	438.1	448.4	454.8	468.8
67.5°	213.9	169.1	242.1	199.8	228.1	229.3	306.2	383.1	397.1	402.2	411.2
70°	148.6	112.7	179.3	178.0	204.9	207.5	266.4	333.0	345.9	349.7	354.8
72.5°	108.9	90.9	148.6	160.2	180.6	183.2	225.5	276.7	289.5	293.4	295.9
75°	83.3	96.1	120.4	139.6	153.8	155.0	184.4	225.5	234.5	236.9	238.3
77.5°	66.6	89.7	88.4	112.7	125.5	123.0	144.8	174.2	181.9	181.9	181.9
80°	49.9	70.5	66.6	80.7	92.3	89.7	103.7	124.2	126.8	129.4	128.1
82.5°	37.1	44.8	44.8	51.3	61.5	58.9	69.1	80.7	80.7	80.7	83.3
85°	23.0	25.6	20.5	26.9	34.6	33.3	38.4	43.5	44.8	44.8	42.3
87.5°	14.1	11.6	6.4	10.2	15.4	15.4	18.0	19.2	18.0	18.0	18.0
90°	15.5	10.7	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.0	30.0
92.5°	104.3	64.0	23.7	64.0	104.3	114.3	160.7	222.5	253.5	222.1	159.5
95°	204.2	130.5	56.8	130.5	204.2	222.6	395.3	625.5	740.7	661.0	501.5
97.5°	228.3	163.3	98.3	163.3	228.3	244.6	532.5	916.4	1108.4	1057.9	957.2
100°	248.2	189.2	130.3	189.2	248.2	262.9	582.5	1008.5	1221.4	1225.2	1232.5
102.5°	267.5	212.5	157.5	212.5	267.5	281.2	605.3	1037.4	1253.4	1317.6	1446.1
105°	296.8	250.3	203.7	250.3	296.8	308.5	622.3	1040.7	1249.9	1393.8	1681.7
107.5°	337.9	294.5	251.1	294.5	337.9	348.8	625.4	994.3	1178.9	1379.6	1781.2
110°	361.4	322.2	283.1	322.2	361.4	371.2	620.7	953.3	1119.6	1344.1	1793.0

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TEST NUMBER: P934704
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	*389.1*	*351.7*	*314.4*	*351.7*	*389.1*	*398.4*	*620.8*	*917.5*	*1065.8*	*1295.6*	*1755.0*
115°	430.7	396.2	361.8	396.2	430.7	439.3	626.6	876.3	1001.2	1222.5	1665.1
117.5°	471.2	439.9	408.5	439.9	471.2	479.0	638.3	850.6	956.8	1156.5	1556.0
120°	494.7	465.2	435.8	465.2	494.7	502.0	647.7	841.9	939.1	1121.6	1486.6
122.5°	521.9	492.2	462.4	492.2	521.9	529.4	661.3	837.3	925.4	1089.8	1418.5
125°	557.4	530.4	503.3	530.4	557.4	564.2	679.7	833.6	910.6	1050.2	1329.4
127.5°	591.1	563.8	536.4	563.8	591.1	598.0	698.1	831.5	898.2	1018.0	1257.7
130°	613.1	583.6	554.2	583.6	613.1	620.5	711.5	832.9	893.5	1000.2	1213.6
132.5°	631.5	602.0	572.5	602.0	631.5	638.9	722.4	833.6	889.3	984.8	1175.9
135°	653.5	626.6	599.7	626.6	653.5	660.2	734.2	832.9	882.2	962.3	1122.2
137.5°	680.7	654.2	627.6	654.2	680.7	687.4	752.0	838.0	881.0	948.6	1083.9
140°	699.6	675.2	650.7	675.2	699.6	705.7	762.8	838.9	876.9	935.3	1052.1
142.5°	713.8	691.1	668.5	691.1	713.8	719.4	771.9	841.9	876.9	928.2	1030.8
145°	735.2	715.5	695.7	715.5	735.2	740.1	783.8	841.9	871.0	913.0	996.9
147.5°	761.4	742.1	722.9	742.1	761.4	766.2	801.1	847.7	871.0	904.0	970.0
150°	775.5	758.1	740.7	758.1	775.5	779.8	810.1	850.7	871.0	898.8	954.6
152.5°	785.4	772.2	759.0	772.2	785.4	788.6	816.0	852.6	871.0	894.7	942.4
155°	805.7	796.0	786.3	796.0	805.7	808.2	829.1	857.0	871.0	889.9	927.8
157.5°	825.3	815.9	806.4	815.9	825.3	827.7	842.1	861.3	871.0	885.7	915.2
160°	834.8	827.4	820.1	827.4	834.8	836.6	848.0	863.3	871.0	883.6	908.9
162.5°	844.7	839.2	833.6	839.2	844.7	846.1	854.4	865.4	871.0	881.7	903.0
165°	858.4	853.4	848.4	853.4	858.4	859.7	863.4	868.5	871.0	878.6	893.9
167.5°	866.9	864.5	862.1	864.5	866.9	867.4	870.6	874.8	876.9	881.8	891.9
170°	875.7	873.3	871.0	873.3	875.7	876.3	876.5	876.8	876.9	881.8	891.9
172.5°	876.8	876.2	875.7	876.2	876.8	876.9	876.9	876.9	876.9	880.8	888.7
175°	882.2	882.2	882.2	882.2	882.2	882.2	880.4	878.0	876.9	879.4	884.4
177.5°	882.2	882.2	882.2	882.2	882.2	882.2	880.8	879.0	878.0	880.0	883.9
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

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TEST NUMBER: P934704
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1306.5	1302.7	1307.9	1293.7	1307.9	1302.7	1306.5	1315.5	1307.9	1312.9	1318.1
5°	1146.5	1140.1	1119.5	1102.9	1119.5	1140.1	1146.5	1173.3	1186.1	1209.2	1240.0
7.5°	1024.7	1019.7	1014.5	1004.3	1014.5	1019.7	1024.7	1032.5	1045.2	1065.8	1088.8
10°	997.9	999.1	1006.9	1005.5	1006.9	999.1	997.9	995.3	991.5	995.3	1009.3
12.5°	1067.0	1078.6	1120.8	1118.3	1120.8	1078.6	1067.0	1015.8	981.2	974.8	977.3
15°	1146.5	1150.3	1159.3	1160.5	1159.3	1150.3	1146.5	1125.9	1022.2	977.3	963.3
17.5°	1154.1	1155.5	1161.9	1161.9	1161.9	1155.5	1154.1	1145.1	1110.6	1050.4	970.9
20°	1147.7	1150.3	1163.1	1165.7	1163.1	1150.3	1147.7	1136.2	1117.0	1095.2	1035.0
22.5°	1145.1	1150.3	1160.5	1159.3	1160.5	1150.3	1145.1	1127.2	1110.6	1095.2	1070.8
25°	1132.3	1132.3	1133.7	1134.9	1133.7	1132.3	1132.3	1118.3	1085.0	1081.2	1067.0
27.5°	1105.4	1108.0	1115.7	1114.4	1115.7	1108.0	1105.4	1100.4	1064.4	1060.6	1050.4
30°	1081.2	1078.6	1072.2	1067.0	1072.2	1078.6	1081.2	1073.4	1037.6	1027.3	1029.9
32.5°	1040.1	1033.7	1027.3	1023.5	1027.3	1033.7	1040.1	1037.6	1010.7	996.5	999.1
35°	991.5	992.7	991.5	987.6	991.5	992.7	991.5	994.1	977.3	964.6	963.3
37.5°	956.9	959.4	958.2	953.0	958.2	959.4	956.9	954.3	931.2	927.4	930.0
40°	921.0	922.2	921.0	917.2	921.0	922.2	921.0	915.8	883.9	885.1	894.1
42.5°	886.4	885.1	881.3	878.7	881.3	885.1	886.4	878.7	837.7	833.9	850.5
45°	846.7	847.9	840.3	836.5	840.3	847.9	846.7	841.5	799.3	789.0	800.6
47.5°	807.0	807.0	800.6	796.8	800.6	807.0	807.0	800.6	755.8	745.5	751.9
50°	764.8	763.4	754.4	753.2	754.4	763.4	764.8	760.8	713.5	704.5	704.5
52.5°	716.1	716.1	717.3	719.9	717.3	716.1	716.1	717.3	675.1	666.1	663.5
55°	673.8	675.1	684.1	686.5	684.1	675.1	673.8	673.8	635.4	626.4	621.2
57.5°	630.2	630.2	636.6	636.6	636.6	630.2	630.2	627.6	590.5	582.8	580.3
60°	580.3	582.8	588.0	586.7	588.0	582.8	580.3	577.7	545.7	540.5	531.6
62.5°	527.7	530.3	531.6	529.1	531.6	530.3	527.7	520.1	500.9	497.0	485.5
65°	472.6	475.2	476.5	474.0	476.5	475.2	472.6	468.8	454.8	448.4	438.1
67.5°	416.3	415.0	413.7	418.9	413.7	415.0	416.3	411.2	402.2	397.1	383.1
70°	358.7	358.7	357.4	359.9	357.4	358.7	358.7	354.8	349.7	345.9	333.0
72.5°	297.2	295.9	301.0	297.2	301.0	295.9	297.2	295.9	293.4	289.5	276.7
75°	236.9	239.5	236.9	240.9	236.9	239.5	236.9	238.3	236.9	234.5	225.5
77.5°	180.6	183.2	180.6	180.6	180.6	183.2	180.6	181.9	181.9	181.9	174.2
80°	128.1	126.8	126.8	125.5	126.8	126.8	128.1	128.1	129.4	126.8	124.2
82.5°	81.9	80.7	80.7	83.3	80.7	80.7	81.9	83.3	80.7	80.7	80.7
85°	44.8	46.1	43.5	43.5	43.5	46.1	44.8	42.3	44.8	44.8	43.5
87.5°	16.6	15.4	15.4	15.4	15.4	15.4	16.6	18.0	18.0	18.0	19.2
90°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	30.0	40.0	45.0	38.7
92.5°	112.5	108.0	90.2	72.2	90.2	108.0	112.5	159.5	222.1	253.5	222.5
95°	381.9	368.3	314.2	260.0	314.2	368.3	381.9	501.5	661.0	740.7	625.5
97.5°	881.7	855.9	752.6	649.5	752.6	855.9	881.7	957.2	1057.9	1108.4	916.4
100°	1238.1	1207.3	1084.5	961.6	1084.5	1207.3	1238.1	1232.5	1225.2	1221.4	1008.5
102.5°	1542.4	1516.1	1410.8	1305.6	1410.8	1516.1	1542.4	1446.1	1317.6	1253.4	1037.4
105°	1897.6	1883.5	1826.8	1770.3	1826.8	1883.5	1897.6	1681.7	1393.8	1249.9	1040.7
107.5°	2082.4	2085.8	2099.5	2113.1	2099.5	2085.8	2082.4	1781.2	1379.6	1178.9	994.3
110°	2129.7	2144.5	2203.5	2262.4	2203.5	2144.5	2129.7	1793.0	1344.1	1119.6	953.3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P934704
CATALOG NUMBER: SQ4-FA-075U-050D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	*2099.6*	*2122.2*	*2212.6*	*2303.2*	*2212.6*	*2122.2*	*2099.6*	*1755.0*	*1295.6*	*1065.8*	*917.5*
115°	1997.1	2028.5	2154.0	2279.5	2154.0	2028.5	1997.1	1665.1	1222.5	1001.2	876.3
117.5°	1855.6	1890.3	2029.6	2168.8	2029.6	1890.3	1855.6	1556.0	1156.5	956.8	850.6
120°	1760.3	1794.1	1929.4	2064.6	1929.4	1794.1	1760.3	1486.6	1121.6	939.1	841.9
122.5°	1664.9	1698.3	1831.7	1965.1	1831.7	1698.3	1664.9	1418.5	1089.8	925.4	837.3
125°	1538.8	1569.5	1692.5	1815.4	1692.5	1569.5	1538.8	1329.4	1050.2	910.6	833.6
127.5°	1437.6	1463.4	1567.2	1670.9	1567.2	1463.4	1437.6	1257.7	1018.0	898.2	831.5
130°	1373.7	1397.6	1493.3	1589.1	1493.3	1397.6	1373.7	1213.6	1000.2	893.5	832.9
132.5°	1319.1	1340.6	1426.4	1512.1	1426.4	1340.6	1319.1	1175.9	984.8	889.3	833.6
135°	1242.2	1260.7	1334.6	1408.5	1334.6	1260.7	1242.2	1122.2	962.3	882.2	832.9
137.5°	1185.3	1200.4	1261.0	1321.5	1261.0	1200.4	1185.3	1083.9	948.6	881.0	838.0
140°	1139.8	1153.9	1210.6	1267.1	1210.6	1153.9	1139.8	1052.1	935.3	876.9	838.9
142.5°	1107.8	1119.9	1168.6	1217.3	1168.6	1119.9	1107.8	1030.8	928.2	876.9	841.9
145°	1059.9	1069.0	1105.9	1142.8	1105.9	1069.0	1059.9	996.9	913.0	871.0	841.9
147.5°	1019.6	1027.2	1057.7	1088.2	1057.7	1027.2	1019.6	970.0	904.0	871.0	847.7
150°	996.4	1002.7	1027.4	1052.1	1027.4	1002.7	996.4	954.6	898.8	871.0	850.7
152.5°	978.1	982.8	1001.4	1020.1	1001.4	982.8	978.1	942.4	894.7	871.0	852.6
155°	956.2	959.3	971.7	984.0	971.7	959.3	956.2	927.8	889.9	871.0	857.0
157.5°	937.2	939.4	948.1	956.8	948.1	939.4	937.2	915.2	885.7	871.0	861.3
160°	927.8	929.0	934.1	939.1	934.1	929.0	927.8	908.9	883.6	871.0	863.3
162.5°	918.9	920.0	924.8	929.6	924.8	920.0	918.9	903.0	881.7	871.0	865.4
165°	905.3	906.6	911.5	916.5	911.5	906.6	905.3	893.9	878.6	871.0	868.5
167.5°	899.4	899.9	902.0	904.1	902.0	899.9	899.4	891.9	881.8	876.9	874.8
170°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	891.9	881.8	876.9	876.8
172.5°	894.6	894.2	892.4	890.5	892.4	894.2	894.6	888.7	880.8	876.9	876.9
175°	888.2	888.2	888.2	888.2	888.2	888.2	888.2	884.4	879.4	876.9	878.0
177.5°	886.9	886.4	884.3	882.2	884.3	886.4	886.9	883.9	880.0	878.0	879.0
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P934704
CATALOG NUMBER: SQ4-FA-075U-050D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1337.3	1343.7	1347.6	1352.7	1365.5
5°	1286.1	1310.5	1318.1	1337.3	1360.4
7.5°	1173.3	1247.6	1268.1	1314.3	1350.1
10°	1064.4	1138.7	1174.6	1283.5	1337.3
12.5°	1009.3	1053.0	1077.2	1229.8	1319.3
15°	974.8	1005.5	1023.5	1157.9	1298.9
17.5°	947.9	969.7	982.5	1087.6	1270.7
20°	931.2	941.5	953.0	1036.3	1238.6
22.5°	919.8	913.4	922.2	1000.5	1195.1
25°	912.0	887.7	898.0	972.3	1143.9
27.5°	918.4	864.7	868.5	946.6	1090.1
30°	919.8	836.5	837.7	919.8	1029.9
32.5°	910.8	807.0	808.3	886.4	962.0
35°	889.0	772.4	771.2	847.9	869.7
37.5°	859.5	735.3	735.3	805.7	768.6
40°	823.7	698.1	701.9	750.6	678.9
42.5°	780.1	658.4	663.5	677.7	612.3
45°	732.7	620.0	623.8	572.6	561.1
47.5°	680.2	580.3	581.6	475.2	544.4
50°	617.4	539.3	534.1	407.3	543.1
52.5°	562.3	494.4	479.0	368.9	493.2
55°	508.5	447.0	413.7	339.4	457.3
57.5°	461.2	385.5	353.5	304.8	449.6
60°	417.6	325.4	301.0	267.7	412.5
62.5°	381.7	280.5	275.4	242.1	374.1
65°	343.3	249.8	248.5	220.3	317.6
67.5°	306.2	229.3	228.1	199.8	242.1
70°	266.4	207.5	204.9	178.0	179.3
72.5°	225.5	183.2	180.6	160.2	148.6
75°	184.4	155.0	153.8	139.6	120.4
77.5°	144.8	123.0	125.5	112.7	88.4
80°	103.7	89.7	92.3	80.7	66.6
82.5°	69.1	58.9	61.5	51.3	44.8
85°	38.4	33.3	34.6	26.9	20.5
87.5°	18.0	15.4	15.4	10.2	6.4
90°	26.1	16.6	15.5	10.7	5.9
92.5°	160.7	114.3	104.3	64.0	23.7
95°	395.3	222.6	204.2	130.5	56.8
97.5°	532.5	244.6	228.3	163.3	98.3
100°	582.5	262.9	248.2	189.2	130.3
102.5°	605.3	281.2	267.5	212.5	157.5
105°	622.3	308.5	296.8	250.3	203.7
107.5°	625.4	348.8	337.9	294.5	251.1
110°	620.7	371.2	361.4	322.2	283.1

TEST NUMBER: P934704
CATALOG NUMBER: SQ4-FA-075U-050D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	*620.8*	*398.4*	*389.1*	*351.7*	*314.4*
115°	626.6	439.3	430.7	396.2	361.8
117.5°	638.3	479.0	471.2	439.9	408.5
120°	647.7	502.0	494.7	465.2	435.8
122.5°	661.3	529.4	521.9	492.2	462.4
125°	679.7	564.2	557.4	530.4	503.3
127.5°	698.1	598.0	591.1	563.8	536.4
130°	711.5	620.5	613.1	583.6	554.2
132.5°	722.4	638.9	631.5	602.0	572.5
135°	734.2	660.2	653.5	626.6	599.7
137.5°	752.0	687.4	680.7	654.2	627.6
140°	762.8	705.7	699.6	675.2	650.7
142.5°	771.9	719.4	713.8	691.1	668.5
145°	783.8	740.1	735.2	715.5	695.7
147.5°	801.1	766.2	761.4	742.1	722.9
150°	810.1	779.8	775.5	758.1	740.7
152.5°	816.0	788.6	785.4	772.2	759.0
155°	829.1	808.2	805.7	796.0	786.3
157.5°	842.1	827.7	825.3	815.9	806.4
160°	848.0	836.6	834.8	827.4	820.1
162.5°	854.4	846.1	844.7	839.2	833.6
165°	863.4	859.7	858.4	853.4	848.4
167.5°	870.6	867.4	866.9	864.5	862.1
170°	876.5	876.3	875.7	873.3	871.0
172.5°	876.9	876.9	876.8	876.2	875.7
175°	880.4	882.2	882.2	882.2	882.2
177.5°	880.8	882.2	882.2	882.2	882.2
180°	882.2	882.2	882.2	882.2	882.2

(END OF REPORT)