

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: P934528

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

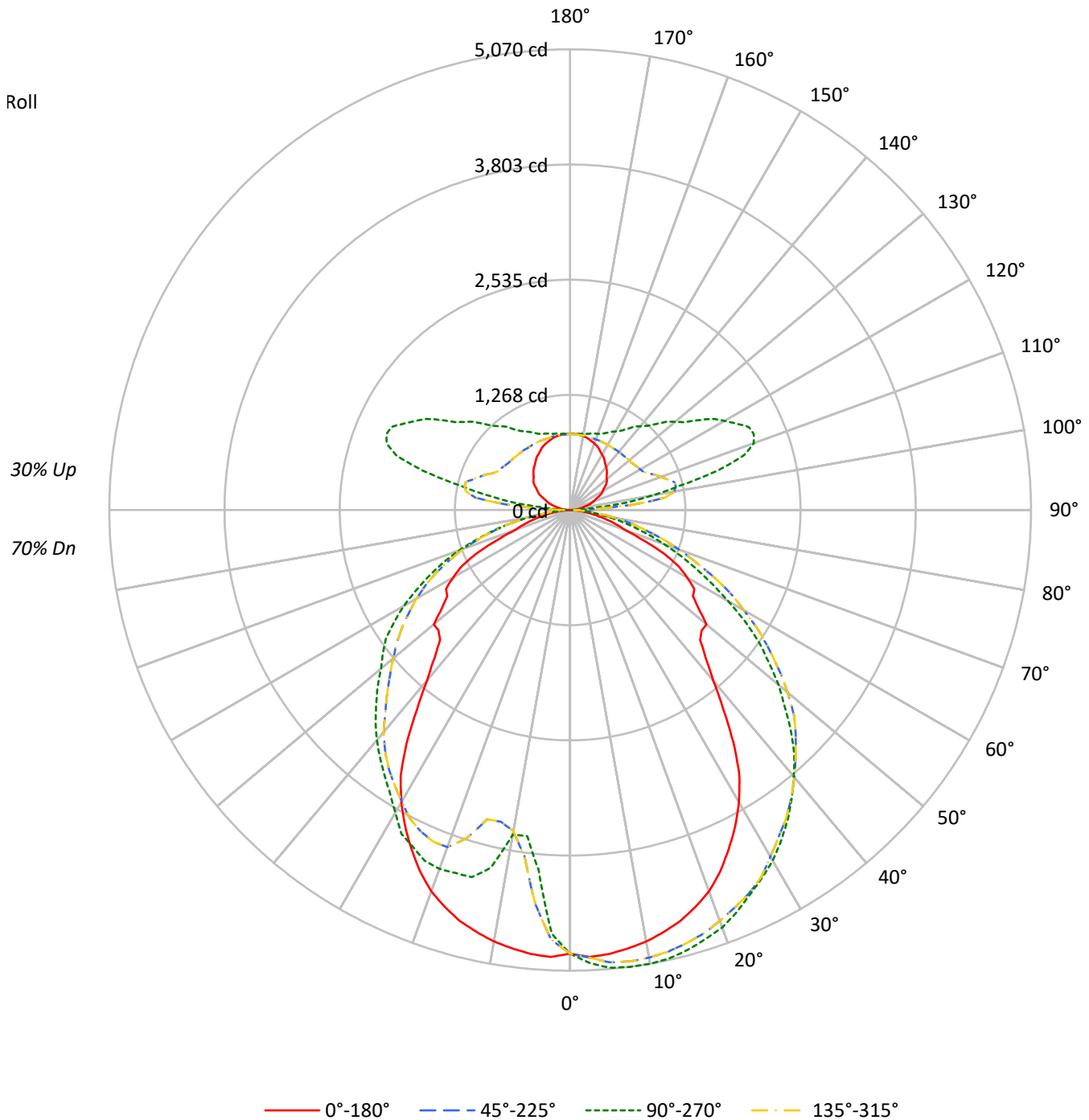
Test Method: LM-79-2019  
Report Number: P934528  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18091.7 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 168  
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				
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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15098	15098	15098	15098
5°	15216	15240	15216	11984
10°	15120	15012	15120	10733
15°	14961	14687	14961	12264
20°	14654	14302	14654	12290
25°	14019	13740	14019	12029
30°	13197	13273	13197	11458
35°	11771	12683	11771	10829
40°	9814	11988	9814	10354
45°	8774	11175	8774	9808
50°	9329	10205	9329	9260
55°	8785	9160	8785	8943
60°	9068	7780	9068	8191
65°	8234	6432	8234	7189
70°	5716	5125	5716	6026
75°	5031	3789	5031	4537
80°	4084	2505	4084	2727
85°	2395	1327	2395	1128

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13439 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.6	2.4
10°-20°	1251.0	6.9
20°-30°	1933.8	10.7
30°-40°	2308.6	12.8
40°-50°	2322.1	12.8
50°-60°	2020.5	11.2
60°-70°	1432.6	7.9
70°-80°	757.9	4.2
80°-90°	192.0	1.1
90°-100°	408.5	2.3
100°-110°	1074.0	5.9
110°-120°	1113.6	6.2
120°-130°	893.3	4.9
130°-140°	700.9	3.9
140°-150°	538.0	3.0
150°-160°	387.4	2.1
160°-170°	237.0	1.3
170°-180°	80.1	0.4
0°-30°	3625.4	20.0
0°-40°	5934.0	32.8
0°-60°	10276.5	56.8
0°-90°	12659.0	70.0
90°-120°	2596.1	14.3
90°-150°	4728.2	26.1
90°-180°	5433.0	30.0
0°-180°	18091.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4881	4881	4881	4881	4881	
5°	4904	5057	4904	3976	4904	465
15°	4682	5010	4682	4184	4682	1317
25°	4124	4673	4124	4092	4124	1893
35°	3136	4170	3136	3560	3136	1940
45°	2023	3436	2023	3015	2023	1620
55°	1648	2535	1648	2475	1648	1515
65°	1145	1529	1145	1709	1145	1095
75°	434	725	434	868	434	456
85°	74	185	74	157	74	100
90°	6	21	6	21	6	8
95°	54	247	54	247	54	60
105°	194	1682	194	1682	194	205
115°	344	2166	344	2166	344	339
125°	478	1724	478	1724	478	424
135°	570	1338	570	1338	570	441
145°	661	1086	661	1086	661	414
155°	747	935	747	935	747	343
165°	806	871	806	871	806	227
175°	838	844	838	844	838	80
180°	838	838	838	838	838	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4922.7	4922.7	4950.3	4959.6	4959.6	4945.7	4931.9	4945.7	4987.3	5001.2	4996.5
5°	4904.1	4941.1	4991.9	5001.2	5010.4	5005.7	4996.5	5005.7	5051.9	5061.2	5065.8
7.5°	4867.2	4936.5	5001.2	5015.0	5028.8	5015.0	5010.4	5019.6	5065.8	5075.0	5075.0
10°	4821.1	4918.0	4991.9	5001.2	5015.0	5001.2	5001.2	5019.6	5065.8	5075.0	5079.7
12.5°	4756.4	4890.3	4959.6	4968.8	4987.3	4982.6	4978.1	4996.5	5042.7	5051.9	5051.9
15°	4682.5	4839.5	4904.1	4913.4	4945.7	4936.5	4936.5	4955.0	5005.7	5019.6	5015.0
17.5°	4580.9	4774.9	4848.7	4862.6	4885.7	4881.1	4885.7	4904.1	4950.3	4959.6	4964.2
20°	4465.5	4687.1	4774.9	4788.7	4811.8	4811.8	4811.8	4834.9	4881.1	4899.6	4899.6
22.5°	4308.5	4594.8	4687.1	4696.4	4724.1	4724.1	4733.3	4765.6	4807.2	4811.8	4811.8
25°	4123.7	4493.2	4571.7	4599.4	4627.1	4641.0	4654.8	4673.3	4687.1	4682.5	4687.1
27.5°	3929.8	4363.9	4465.5	4484.0	4520.9	4534.7	4553.2	4557.8	4562.5	4576.3	4567.1
30°	3712.8	4183.8	4336.1	4354.6	4414.7	4423.9	4405.5	4414.7	4437.8	4447.0	4456.2
32.5°	3468.0	3916.0	4202.3	4243.8	4299.2	4271.6	4266.9	4280.8	4317.7	4317.7	4327.0
35°	3135.5	3708.1	4077.5	4114.5	4156.0	4123.7	4142.2	4146.9	4170.0	4183.8	4179.1
37.5°	2770.8	3528.0	3948.3	3976.0	4008.3	3966.7	3994.5	4008.3	4026.8	4017.5	4017.5
40°	2447.5	3246.3	3795.9	3814.4	3842.0	3809.7	3837.5	3846.7	3856.0	3846.7	3842.0
42.5°	2207.3	2936.9	3634.3	3657.4	3638.9	3661.9	3671.2	3689.7	3675.8	3657.4	3657.4
45°	2022.6	2853.8	3458.8	3486.5	3458.8	3495.7	3509.6	3509.6	3468.0	3458.8	3454.2
47.5°	1962.6	2687.6	3283.3	3283.3	3269.4	3315.6	3338.7	3306.3	3264.9	3251.0	3251.0
50°	1958.0	2502.9	3043.2	3024.7	3089.3	3144.8	3121.7	3089.3	3057.0	3006.3	3006.3
52.5°	1777.9	2276.6	2733.7	2803.0	2904.7	2936.9	2900.0	2867.7	2812.2	2789.2	2770.8
55°	1648.5	2041.1	2452.1	2590.6	2696.8	2738.4	2669.1	2636.8	2553.7	2539.8	2530.6
57.5°	1620.9	1699.4	2193.5	2369.0	2498.2	2493.7	2452.1	2392.1	2322.8	2308.9	2304.3
60°	1487.0	1228.4	1916.4	2124.2	2258.2	2244.3	2207.3	2151.9	2087.3	2078.1	2068.8
62.5°	1348.4	891.3	1602.4	1837.9	2027.2	2022.6	1990.3	1907.1	1861.0	1837.9	1819.5
65°	1145.2	748.1	1140.6	1528.6	1801.0	1810.2	1741.0	1680.9	1630.1	1602.4	1597.8
67.5°	872.8	609.5	771.2	1274.5	1584.0	1574.7	1487.0	1459.2	1394.6	1380.7	1353.0
70°	646.5	406.3	535.7	1034.4	1371.5	1348.4	1279.1	1246.8	1186.8	1154.4	1136.0
72.5°	535.7	327.8	392.5	803.5	1154.4	1126.8	1066.7	1029.8	979.0	951.3	932.8
75°	434.1	346.3	300.2	595.7	937.4	918.9	863.5	826.6	785.0	748.1	752.7
77.5°	318.6	323.3	240.1	438.7	743.4	715.8	683.4	637.3	618.8	581.9	581.9
80°	240.1	254.0	180.1	300.2	535.7	535.7	507.9	475.6	443.4	424.8	424.8
82.5°	161.6	161.6	133.9	189.3	364.9	350.9	332.5	323.3	304.8	295.5	295.5
85°	73.9	92.3	83.1	115.4	198.6	207.8	207.8	198.6	193.9	184.7	189.3
87.5°	23.1	41.6	50.8	64.7	101.6	106.2	110.8	110.8	110.8	115.4	115.4
90°	5.6	10.1	14.6	15.7	24.7	36.7	42.8	38.0	28.5	21.4	21.4
92.5°	22.5	60.7	99.0	108.5	152.5	211.3	240.7	210.9	151.5	106.9	102.6
95°	54.0	124.0	194.0	211.5	375.5	594.3	703.6	627.8	476.4	362.8	349.8
97.5°	93.3	155.1	216.9	232.3	505.8	870.5	1052.9	1005.1	909.3	837.5	813.0
100°	123.7	179.7	235.7	249.7	553.2	957.9	1160.3	1163.8	1170.8	1176.1	1146.9
102.5°	149.6	201.8	254.1	267.2	575.0	985.5	1190.7	1251.7	1373.6	1465.2	1440.1
105°	193.5	237.7	281.9	293.0	591.1	988.6	1187.3	1324.1	1597.5	1802.6	1789.2
107.5°	238.5	279.7	321.0	331.3	594.2	944.7	1119.9	1310.6	1692.1	1978.2	1981.5
110°	268.9	306.1	343.4	352.7	589.6	905.6	1063.6	1276.9	1703.3	2023.1	2037.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	298.6	334.1	369.6	378.5	589.8	871.5	1012.4	1230.6	1667.1	1994.5	2015.9
115°	343.7	376.4	409.2	417.3	595.3	832.5	951.1	1161.3	1581.8	1897.1	1927.0
117.5°	388.1	417.8	447.5	455.0	606.3	808.0	908.9	1098.7	1478.1	1762.7	1795.7
120°	414.0	442.0	469.9	476.9	615.3	799.8	892.1	1065.5	1412.1	1672.2	1704.3
122.5°	439.3	467.6	495.8	502.8	628.3	795.5	879.1	1035.2	1347.4	1581.6	1613.2
125°	478.1	503.8	529.6	536.0	645.8	791.9	865.1	997.7	1262.8	1461.8	1491.0
127.5°	509.6	535.6	561.6	568.1	663.1	789.8	853.2	967.1	1194.8	1365.6	1390.3
130°	526.5	554.5	582.4	589.4	675.9	791.1	848.8	950.1	1152.9	1304.9	1327.6
132.5°	543.9	571.9	599.9	606.9	686.2	791.9	844.8	935.6	1117.0	1253.1	1273.5
135°	569.8	595.3	620.7	627.1	697.4	791.2	838.0	914.1	1066.1	1180.1	1197.6
137.5°	596.2	621.5	646.8	653.0	714.3	796.1	837.0	901.2	1029.7	1126.0	1140.4
140°	618.1	641.4	664.6	670.4	724.6	796.8	833.0	888.4	999.5	1082.7	1096.2
142.5°	635.0	656.5	678.0	683.4	733.3	799.8	833.0	881.7	979.2	1052.4	1063.9
145°	660.9	679.6	698.3	703.1	744.5	799.8	827.4	867.2	947.0	1006.8	1015.5
147.5°	686.8	705.0	723.3	727.8	761.0	805.3	827.4	858.8	921.6	968.6	975.9
150°	703.6	720.1	736.6	740.7	769.6	808.1	827.4	853.9	906.8	946.6	952.5
152.5°	721.1	733.5	746.1	749.2	775.3	810.0	827.4	850.1	895.3	929.2	933.7
155°	746.9	756.2	765.5	767.7	787.7	814.1	827.4	845.4	881.3	908.4	911.3
157.5°	766.1	775.1	784.0	786.3	800.0	818.3	827.4	841.4	869.3	890.4	892.4
160°	779.0	786.0	793.0	794.7	805.7	820.1	827.4	839.4	863.3	881.3	882.5
162.5°	791.9	797.2	802.5	803.8	811.7	822.1	827.4	837.5	857.7	872.9	874.0
165°	806.0	810.8	815.5	816.7	820.2	825.0	827.4	834.7	849.1	860.0	861.2
167.5°	818.9	821.1	823.4	823.9	827.0	831.0	833.0	837.7	847.2	854.3	854.9
170°	827.4	829.6	831.9	832.4	832.6	832.9	833.0	837.7	847.2	854.3	854.3
172.5°	831.9	832.3	832.9	833.0	833.0	833.0	833.0	836.7	844.2	849.9	849.4
175°	838.0	838.0	838.0	838.0	836.3	834.0	833.0	835.3	840.1	843.7	843.7
177.5°	838.0	838.0	838.0	838.0	836.8	835.0	834.1	836.0	839.8	842.6	842.1
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	5005.7	4991.9	5005.7	4996.5	5001.2	4987.3	4945.7	4931.9	4945.7	4959.6	4959.6
5°	5065.8	5056.6	5065.8	5065.8	5061.2	5051.9	5005.7	4996.5	5005.7	5010.4	5001.2
7.5°	5084.2	5070.4	5084.2	5075.0	5075.0	5065.8	5019.6	5010.4	5015.0	5028.8	5015.0
10°	5084.2	5070.4	5084.2	5079.7	5075.0	5065.8	5019.6	5001.2	5001.2	5015.0	5001.2
12.5°	5061.2	5051.9	5061.2	5051.9	5051.9	5042.7	4996.5	4978.1	4982.6	4987.3	4968.8
15°	5024.2	5010.4	5024.2	5015.0	5019.6	5005.7	4955.0	4936.5	4936.5	4945.7	4913.4
17.5°	4968.8	4950.3	4968.8	4964.2	4959.6	4950.3	4904.1	4885.7	4881.1	4885.7	4862.6
20°	4904.1	4890.3	4904.1	4899.6	4899.6	4881.1	4834.9	4811.8	4811.8	4811.8	4788.7
22.5°	4802.6	4788.7	4802.6	4811.8	4811.8	4807.2	4765.6	4733.3	4724.1	4724.1	4696.4
25°	4687.1	4673.3	4687.1	4687.1	4682.5	4687.1	4673.3	4654.8	4641.0	4627.1	4599.4
27.5°	4576.3	4567.1	4576.3	4567.1	4576.3	4562.5	4557.8	4553.2	4534.7	4520.9	4484.0
30°	4465.5	4456.2	4465.5	4456.2	4447.0	4437.8	4414.7	4405.5	4423.9	4414.7	4354.6
32.5°	4327.0	4317.7	4327.0	4327.0	4317.7	4317.7	4280.8	4266.9	4271.6	4299.2	4243.8
35°	4183.8	4170.0	4183.8	4179.1	4183.8	4170.0	4146.9	4142.2	4123.7	4156.0	4114.5
37.5°	4017.5	4003.7	4017.5	4017.5	4017.5	4026.8	4008.3	3994.5	3966.7	4008.3	3976.0
40°	3846.7	3828.2	3846.7	3842.0	3846.7	3856.0	3846.7	3837.5	3809.7	3842.0	3814.4
42.5°	3652.7	3648.1	3652.7	3657.4	3657.4	3675.8	3689.7	3671.2	3661.9	3638.9	3657.4
45°	3444.9	3435.7	3444.9	3454.2	3458.8	3468.0	3509.6	3509.6	3495.7	3458.8	3486.5
47.5°	3223.3	3200.2	3223.3	3251.0	3251.0	3264.9	3306.3	3338.7	3315.6	3269.4	3283.3
50°	2987.8	2992.3	2987.8	3006.3	3006.3	3057.0	3089.3	3121.7	3144.8	3089.3	3024.7
52.5°	2756.8	2752.3	2756.8	2770.8	2789.2	2812.2	2867.7	2900.0	2936.9	2904.7	2803.0
55°	2526.0	2535.2	2526.0	2530.6	2539.8	2553.7	2636.8	2669.1	2738.4	2696.8	2590.6
57.5°	2295.1	2281.2	2295.1	2304.3	2308.9	2322.8	2392.1	2452.1	2493.7	2498.2	2369.0
60°	2027.2	2008.8	2027.2	2068.8	2078.1	2087.3	2151.9	2207.3	2244.3	2258.2	2124.2
62.5°	1791.7	1759.4	1791.7	1819.5	1837.9	1861.0	1907.1	1990.3	2022.6	2027.2	1837.9
65°	1542.4	1528.6	1542.4	1597.8	1602.4	1630.1	1680.9	1741.0	1810.2	1801.0	1528.6
67.5°	1316.1	1316.1	1316.1	1353.0	1380.7	1394.6	1459.2	1487.0	1574.7	1584.0	1274.5
70°	1108.3	1103.7	1108.3	1136.0	1154.4	1186.8	1246.8	1279.1	1348.4	1371.5	1034.4
72.5°	909.7	905.1	909.7	932.8	951.3	979.0	1029.8	1066.7	1126.8	1154.4	803.5
75°	734.3	725.0	734.3	752.7	748.1	785.0	826.6	863.5	918.9	937.4	595.7
77.5°	563.3	563.3	563.3	581.9	581.9	618.8	637.3	683.4	715.8	743.4	438.7
80°	420.3	415.6	420.3	424.8	424.8	443.4	475.6	507.9	535.7	535.7	300.2
82.5°	295.5	286.3	295.5	295.5	295.5	304.8	323.3	332.5	350.9	364.9	189.3
85°	184.7	184.7	184.7	189.3	184.7	193.9	198.6	207.8	207.8	198.6	115.4
87.5°	120.1	115.4	120.1	115.4	115.4	110.8	110.8	110.8	106.2	101.6	64.7
90°	21.4	21.4	21.4	21.4	21.4	28.5	38.0	42.8	36.7	24.7	15.7
92.5°	85.6	68.6	85.6	102.6	106.9	151.5	210.9	240.7	211.3	152.5	108.5
95°	298.4	246.9	298.4	349.8	362.8	476.4	627.8	703.6	594.3	375.5	211.5
97.5°	715.0	617.0	715.0	813.0	837.5	909.3	1005.1	1052.9	870.5	505.8	232.3
100°	1030.2	913.5	1030.2	1146.9	1176.1	1170.8	1163.8	1160.3	957.9	553.2	249.7
102.5°	1340.2	1240.2	1340.2	1440.1	1465.2	1373.6	1251.7	1190.7	985.5	575.0	267.2
105°	1735.5	1681.7	1735.5	1789.2	1802.6	1597.5	1324.1	1187.3	988.6	591.1	293.0
107.5°	1994.4	2007.4	1994.4	1981.5	1978.2	1692.1	1310.6	1119.9	944.7	594.2	331.3
110°	2093.1	2149.1	2093.1	2037.1	2023.1	1703.3	1276.9	1063.6	905.6	589.6	352.7





TEST NUMBER: P934528

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2102.0	2187.9	2102.0	2015.9	1994.5	1667.1	1230.6	1012.4	871.5	589.8	378.5
115°	2046.2	2165.5	2046.2	1927.0	1897.1	1581.8	1161.3	951.1	832.5	595.3	417.3
117.5°	1928.0	2060.2	1928.0	1795.7	1762.7	1478.1	1098.7	908.9	808.0	606.3	455.0
120°	1832.8	1961.3	1832.8	1704.3	1672.2	1412.1	1065.5	892.1	799.8	615.3	476.9
122.5°	1740.0	1866.8	1740.0	1613.2	1581.6	1347.4	1035.2	879.1	795.5	628.3	502.8
125°	1607.7	1724.5	1607.7	1491.0	1461.8	1262.8	997.7	865.1	791.9	645.8	536.0
127.5°	1488.7	1587.2	1488.7	1390.3	1365.6	1194.8	967.1	853.2	789.8	663.1	568.1
130°	1418.7	1509.6	1418.7	1327.6	1304.9	1152.9	950.1	848.8	791.1	675.9	589.4
132.5°	1355.0	1436.5	1355.0	1273.5	1253.1	1117.0	935.6	844.8	791.9	686.2	606.9
135°	1267.9	1338.1	1267.9	1197.6	1180.1	1066.1	914.1	838.0	791.2	697.4	627.1
137.5°	1197.9	1255.4	1197.9	1140.4	1126.0	1029.7	901.2	837.0	796.1	714.3	653.0
140°	1149.9	1203.6	1149.9	1096.2	1082.7	999.5	888.4	833.0	796.8	724.6	670.4
142.5°	1110.2	1156.4	1110.2	1063.9	1052.4	979.2	881.7	833.0	799.8	733.3	683.4
145°	1050.5	1085.6	1050.5	1015.5	1006.8	947.0	867.2	827.4	799.8	744.5	703.1
147.5°	1004.8	1033.8	1004.8	975.9	968.6	921.6	858.8	827.4	805.3	761.0	727.8
150°	975.9	999.5	975.9	952.5	946.6	906.8	853.9	827.4	808.1	769.6	740.7
152.5°	951.4	969.1	951.4	933.7	929.2	895.3	850.1	827.4	810.0	775.3	749.2
155°	923.1	934.8	923.1	911.3	908.4	881.3	845.4	827.4	814.1	787.7	767.7
157.5°	900.6	908.9	900.6	892.4	890.4	869.3	841.4	827.4	818.3	800.0	786.3
160°	887.4	892.1	887.4	882.5	881.3	863.3	839.4	827.4	820.1	805.7	794.7
162.5°	878.5	883.1	878.5	874.0	872.9	857.7	837.5	827.4	822.1	811.7	803.8
165°	866.0	870.7	866.0	861.2	860.0	849.1	834.7	827.4	825.0	820.2	816.7
167.5°	856.9	858.9	856.9	854.9	854.3	847.2	837.7	833.0	831.0	827.0	823.9
170°	854.3	854.3	854.3	854.3	854.3	847.2	837.7	833.0	832.9	832.6	832.4
172.5°	847.7	846.0	847.7	849.4	849.9	844.2	836.7	833.0	833.0	833.0	833.0
175°	843.7	843.7	843.7	843.7	843.7	840.1	835.3	833.0	834.0	836.3	838.0
177.5°	840.0	838.0	840.0	842.1	842.6	839.8	836.0	834.1	835.0	836.8	838.0
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934528

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4950.3	4922.7	4922.7	4876.5	4858.0	4844.2	4821.1	4751.8	4733.3	4714.8	4742.6
5°	4991.9	4941.1	4904.1	4821.1	4751.8	4724.1	4636.3	4470.0	4359.3	4276.1	4230.0
7.5°	5001.2	4936.5	4867.2	4737.9	4571.7	4497.8	4230.0	3925.2	3842.0	3768.2	3722.0
10°	4991.9	4918.0	4821.1	4627.1	4234.5	4105.3	3837.5	3638.9	3588.1	3574.2	3588.1
12.5°	4959.6	4890.3	4756.4	4433.1	3883.6	3795.9	3638.9	3523.4	3514.2	3537.3	3661.9
15°	4904.1	4839.5	4682.5	4174.5	3689.7	3625.0	3514.2	3472.6	3523.4	3685.0	4059.1
17.5°	4848.7	4774.9	4580.9	3920.5	3541.9	3495.7	3417.2	3500.4	3786.6	4003.7	4128.4
20°	4774.9	4687.1	4465.5	3735.9	3435.7	3394.1	3357.2	3731.2	3948.3	4026.8	4096.0
22.5°	4687.1	4594.8	4308.5	3606.5	3324.9	3292.5	3315.6	3860.5	3948.3	4003.7	4063.7
25°	4571.7	4493.2	4123.7	3504.9	3237.1	3200.2	3287.9	3846.7	3897.4	3911.3	4031.4
27.5°	4465.5	4363.9	3929.8	3412.6	3130.9	3117.1	3311.0	3786.6	3823.6	3837.5	3966.7
30°	4336.1	4183.8	3712.8	3315.6	3020.1	3015.4	3315.6	3712.8	3703.5	3740.4	3869.8
32.5°	4202.3	3916.0	3468.0	3195.6	2913.8	2909.3	3283.3	3601.9	3592.7	3643.5	3740.4
35°	4077.5	3708.1	3135.5	3057.0	2779.9	2784.6	3204.8	3472.6	3477.3	3523.4	3583.4
37.5°	3948.3	3528.0	2770.8	2904.7	2650.7	2650.7	3098.6	3352.6	3343.4	3357.2	3440.3
40°	3795.9	3246.3	2447.5	2706.1	2530.6	2516.7	2969.3	3223.3	3190.9	3186.4	3301.8
42.5°	3634.3	2936.9	2207.3	2442.8	2392.1	2373.6	2812.2	3066.3	3006.3	3020.1	3167.8
45°	3458.8	2853.8	2022.6	2064.1	2248.9	2235.1	2641.4	2886.2	2844.6	2881.5	3033.9
47.5°	3283.3	2687.6	1962.6	1713.2	2096.5	2091.9	2452.1	2710.7	2687.6	2724.5	2886.2
50°	3043.2	2502.9	1958.0	1468.5	1925.6	1944.1	2225.8	2539.8	2539.8	2572.2	2743.0
52.5°	2733.7	2276.6	1777.9	1330.0	1727.0	1782.5	2027.2	2392.1	2401.3	2433.6	2586.0
55°	2452.1	2041.1	1648.5	1223.7	1491.5	1611.6	1833.3	2239.6	2258.2	2290.5	2429.0
57.5°	2193.5	1699.4	1620.9	1099.0	1274.5	1390.0	1662.5	2091.9	2101.2	2128.8	2262.7
60°	1916.4	1228.4	1487.0	965.1	1085.2	1173.0	1505.4	1916.4	1948.7	1967.2	2082.6
62.5°	1602.4	891.3	1348.4	872.8	992.9	1011.3	1376.1	1750.1	1791.7	1805.5	1874.9
65°	1140.6	748.1	1145.2	794.3	895.9	900.4	1237.6	1579.3	1616.2	1639.3	1690.1
67.5°	771.2	609.5	872.8	720.3	821.9	826.6	1103.7	1380.7	1431.5	1450.1	1482.3
70°	535.7	406.3	646.5	641.8	738.9	748.1	960.5	1200.6	1246.8	1260.7	1279.1
72.5°	392.5	327.8	535.7	577.3	651.1	660.4	812.8	997.4	1043.6	1057.5	1066.7
75°	300.2	346.3	434.1	503.3	554.2	558.8	664.9	812.8	845.1	854.3	858.9
77.5°	240.1	323.3	318.6	406.3	452.5	443.4	521.9	628.0	655.8	655.8	655.8
80°	180.1	254.0	240.1	290.9	332.5	323.3	374.0	447.9	457.2	466.4	461.8
82.5°	133.9	161.6	161.6	184.7	221.7	212.4	249.3	290.9	290.9	290.9	300.2
85°	83.1	92.3	73.9	97.0	124.7	120.1	138.5	157.0	161.6	161.6	152.4
87.5°	50.8	41.6	23.1	36.9	55.4	55.4	64.7	69.2	64.7	64.7	64.7
90°	14.6	10.1	5.6	10.1	14.6	15.7	24.7	36.7	42.8	38.0	28.5
92.5°	99.0	60.7	22.5	60.7	99.0	108.5	152.5	211.3	240.7	210.9	151.5
95°	194.0	124.0	54.0	124.0	194.0	211.5	375.5	594.3	703.6	627.8	476.4
97.5°	216.9	155.1	93.3	155.1	216.9	232.3	505.8	870.5	1052.9	1005.1	909.3
100°	235.7	179.7	123.7	179.7	235.7	249.7	553.2	957.9	1160.3	1163.8	1170.8
102.5°	254.1	201.8	149.6	201.8	254.1	267.2	575.0	985.5	1190.7	1251.7	1373.6
105°	281.9	237.7	193.5	237.7	281.9	293.0	591.1	988.6	1187.3	1324.1	1597.5
107.5°	321.0	279.7	238.5	279.7	321.0	331.3	594.2	944.7	1119.9	1310.6	1692.1
110°	343.4	306.1	268.9	306.1	343.4	352.7	589.6	905.6	1063.6	1276.9	1703.3



TEST NUMBER: P934528

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	369.6	334.1	298.6	334.1	369.6	378.5	589.8	871.5	1012.4	1230.6	1667.1
115°	409.2	376.4	343.7	376.4	409.2	417.3	595.3	832.5	951.1	1161.3	1581.8
117.5°	447.5	417.8	388.1	417.8	447.5	455.0	606.3	808.0	908.9	1098.7	1478.1
120°	469.9	442.0	414.0	442.0	469.9	476.9	615.3	799.8	892.1	1065.5	1412.1
122.5°	495.8	467.6	439.3	467.6	495.8	502.8	628.3	795.5	879.1	1035.2	1347.4
125°	529.6	503.8	478.1	503.8	529.6	536.0	645.8	791.9	865.1	997.7	1262.8
127.5°	561.6	535.6	509.6	535.6	561.6	568.1	663.1	789.8	853.2	967.1	1194.8
130°	582.4	554.5	526.5	554.5	582.4	589.4	675.9	791.1	848.8	950.1	1152.9
132.5°	599.9	571.9	543.9	571.9	599.9	606.9	686.2	791.9	844.8	935.6	1117.0
135°	620.7	595.3	569.8	595.3	620.7	627.1	697.4	791.2	838.0	914.1	1066.1
137.5°	646.8	621.5	596.2	621.5	646.8	653.0	714.3	796.1	837.0	901.2	1029.7
140°	664.6	641.4	618.1	641.4	664.6	670.4	724.6	796.8	833.0	888.4	999.5
142.5°	678.0	656.5	635.0	656.5	678.0	683.4	733.3	799.8	833.0	881.7	979.2
145°	698.3	679.6	660.9	679.6	698.3	703.1	744.5	799.8	827.4	867.2	947.0
147.5°	723.3	705.0	686.8	705.0	723.3	727.8	761.0	805.3	827.4	858.8	921.6
150°	736.6	720.1	703.6	720.1	736.6	740.7	769.6	808.1	827.4	853.9	906.8
152.5°	746.1	733.5	721.1	733.5	746.1	749.2	775.3	810.0	827.4	850.1	895.3
155°	765.5	756.2	746.9	756.2	765.5	767.7	787.7	814.1	827.4	845.4	881.3
157.5°	784.0	775.1	766.1	775.1	784.0	786.3	800.0	818.3	827.4	841.4	869.3
160°	793.0	786.0	779.0	786.0	793.0	794.7	805.7	820.1	827.4	839.4	863.3
162.5°	802.5	797.2	791.9	797.2	802.5	803.8	811.7	822.1	827.4	837.5	857.7
165°	815.5	810.8	806.0	810.8	815.5	816.7	820.2	825.0	827.4	834.7	849.1
167.5°	823.4	821.1	818.9	821.1	823.4	823.9	827.0	831.0	833.0	837.7	847.2
170°	831.9	829.6	827.4	829.6	831.9	832.4	832.6	832.9	833.0	837.7	847.2
172.5°	832.9	832.3	831.9	832.3	832.9	833.0	833.0	833.0	833.0	836.7	844.2
175°	838.0	838.0	838.0	838.0	838.0	838.0	836.3	834.0	833.0	835.3	840.1
177.5°	838.0	838.0	838.0	838.0	838.0	838.0	836.8	835.0	834.1	836.0	839.8
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934528

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4710.2	4696.4	4714.8	4664.1	4714.8	4696.4	4710.2	4742.6	4714.8	4733.3	4751.8
5°	4133.0	4109.9	4036.0	3976.0	4036.0	4109.9	4133.0	4230.0	4276.1	4359.3	4470.0
7.5°	3694.3	3675.8	3657.4	3620.4	3657.4	3675.8	3694.3	3722.0	3768.2	3842.0	3925.2
10°	3597.3	3601.9	3629.6	3625.0	3629.6	3601.9	3597.3	3588.1	3574.2	3588.1	3638.9
12.5°	3846.7	3888.2	4040.6	4031.4	4040.6	3888.2	3846.7	3661.9	3537.3	3514.2	3523.4
15°	4133.0	4146.9	4179.1	4183.8	4179.1	4146.9	4133.0	4059.1	3685.0	3523.4	3472.6
17.5°	4160.7	4165.3	4188.4	4188.4	4188.4	4165.3	4160.7	4128.4	4003.7	3786.6	3500.4
20°	4137.6	4146.9	4193.1	4202.3	4193.1	4146.9	4137.6	4096.0	4026.8	3948.3	3731.2
22.5°	4128.4	4146.9	4183.8	4179.1	4183.8	4146.9	4128.4	4063.7	4003.7	3948.3	3860.5
25°	4082.2	4082.2	4086.8	4091.5	4086.8	4082.2	4082.2	4031.4	3911.3	3897.4	3846.7
27.5°	3985.2	3994.5	4022.1	4017.5	4022.1	3994.5	3985.2	3966.7	3837.5	3823.6	3786.6
30°	3897.4	3888.2	3865.1	3846.7	3865.1	3888.2	3897.4	3869.8	3740.4	3703.5	3712.8
32.5°	3749.7	3726.6	3703.5	3689.7	3703.5	3726.6	3749.7	3740.4	3643.5	3592.7	3601.9
35°	3574.2	3578.9	3574.2	3560.4	3574.2	3578.9	3574.2	3583.4	3523.4	3477.3	3472.6
37.5°	3449.5	3458.8	3454.2	3435.7	3454.2	3458.8	3449.5	3440.3	3357.2	3343.4	3352.6
40°	3320.3	3324.9	3320.3	3306.3	3320.3	3324.9	3320.3	3301.8	3186.4	3190.9	3223.3
42.5°	3195.6	3190.9	3177.1	3167.8	3177.1	3190.9	3195.6	3167.8	3020.1	3006.3	3066.3
45°	3052.4	3057.0	3029.3	3015.4	3029.3	3057.0	3052.4	3033.9	2881.5	2844.6	2886.2
47.5°	2909.3	2909.3	2886.2	2872.3	2886.2	2909.3	2909.3	2886.2	2724.5	2687.6	2710.7
50°	2756.8	2752.3	2719.9	2715.3	2719.9	2752.3	2756.8	2743.0	2572.2	2539.8	2539.8
52.5°	2581.4	2581.4	2586.0	2595.2	2586.0	2581.4	2581.4	2586.0	2433.6	2401.3	2392.1
55°	2429.0	2433.6	2465.9	2475.2	2465.9	2433.6	2429.0	2429.0	2290.5	2258.2	2239.6
57.5°	2272.0	2272.0	2295.1	2295.1	2295.1	2272.0	2272.0	2262.7	2128.8	2101.2	2091.9
60°	2091.9	2101.2	2119.6	2115.0	2119.6	2101.2	2091.9	2082.6	1967.2	1948.7	1916.4
62.5°	1902.6	1911.8	1916.4	1907.1	1916.4	1911.8	1902.6	1874.9	1805.5	1791.7	1750.1
65°	1704.0	1713.2	1717.8	1708.6	1717.8	1713.2	1704.0	1690.1	1639.3	1616.2	1579.3
67.5°	1500.8	1496.2	1491.5	1510.0	1491.5	1496.2	1500.8	1482.3	1450.1	1431.5	1380.7
70°	1293.0	1293.0	1288.4	1297.6	1288.4	1293.0	1293.0	1279.1	1260.7	1246.8	1200.6
72.5°	1071.4	1066.7	1085.2	1071.4	1085.2	1066.7	1071.4	1066.7	1057.5	1043.6	997.4
75°	854.3	863.5	854.3	868.2	854.3	863.5	854.3	858.9	854.3	845.1	812.8
77.5°	651.1	660.4	651.1	651.1	651.1	660.4	651.1	655.8	655.8	655.8	628.0
80°	461.8	457.2	457.2	452.5	457.2	457.2	461.8	461.8	466.4	457.2	447.9
82.5°	295.5	290.9	290.9	300.2	290.9	290.9	295.5	300.2	290.9	290.9	290.9
85°	161.6	166.3	157.0	157.0	157.0	166.3	161.6	152.4	161.6	161.6	157.0
87.5°	60.0	55.4	55.4	55.4	55.4	55.4	60.0	64.7	64.7	64.7	69.2
90°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	28.5	38.0	42.8	36.7
92.5°	106.9	102.6	85.6	68.6	85.6	102.6	106.9	151.5	210.9	240.7	211.3
95°	362.8	349.8	298.4	246.9	298.4	349.8	362.8	476.4	627.8	703.6	594.3
97.5°	837.5	813.0	715.0	617.0	715.0	813.0	837.5	909.3	1005.1	1052.9	870.5
100°	1176.1	1146.9	1030.2	913.5	1030.2	1146.9	1176.1	1170.8	1163.8	1160.3	957.9
102.5°	1465.2	1440.1	1340.2	1240.2	1340.2	1440.1	1465.2	1373.6	1251.7	1190.7	985.5
105°	1802.6	1789.2	1735.5	1681.7	1735.5	1789.2	1802.6	1597.5	1324.1	1187.3	988.6
107.5°	1978.2	1981.5	1994.4	2007.4	1994.4	1981.5	1978.2	1692.1	1310.6	1119.9	944.7
110°	2023.1	2037.1	2093.1	2149.1	2093.1	2037.1	2023.1	1703.3	1276.9	1063.6	905.6



TEST NUMBER: P934528

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1994.5	2015.9	2102.0	2187.9	2102.0	2015.9	1994.5	1667.1	1230.6	1012.4	871.5
115°	1897.1	1927.0	2046.2	2165.5	2046.2	1927.0	1897.1	1581.8	1161.3	951.1	832.5
117.5°	1762.7	1795.7	1928.0	2060.2	1928.0	1795.7	1762.7	1478.1	1098.7	908.9	808.0
120°	1672.2	1704.3	1832.8	1961.3	1832.8	1704.3	1672.2	1412.1	1065.5	892.1	799.8
122.5°	1581.6	1613.2	1740.0	1866.8	1740.0	1613.2	1581.6	1347.4	1035.2	879.1	795.5
125°	1461.8	1491.0	1607.7	1724.5	1607.7	1491.0	1461.8	1262.8	997.7	865.1	791.9
127.5°	1365.6	1390.3	1488.7	1587.2	1488.7	1390.3	1365.6	1194.8	967.1	853.2	789.8
130°	1304.9	1327.6	1418.7	1509.6	1418.7	1327.6	1304.9	1152.9	950.1	848.8	791.1
132.5°	1253.1	1273.5	1355.0	1436.5	1355.0	1273.5	1253.1	1117.0	935.6	844.8	791.9
135°	1180.1	1197.6	1267.9	1338.1	1267.9	1197.6	1180.1	1066.1	914.1	838.0	791.2
137.5°	1126.0	1140.4	1197.9	1255.4	1197.9	1140.4	1126.0	1029.7	901.2	837.0	796.1
140°	1082.7	1096.2	1149.9	1203.6	1149.9	1096.2	1082.7	999.5	888.4	833.0	796.8
142.5°	1052.4	1063.9	1110.2	1156.4	1110.2	1063.9	1052.4	979.2	881.7	833.0	799.8
145°	1006.8	1015.5	1050.5	1085.6	1050.5	1015.5	1006.8	947.0	867.2	827.4	799.8
147.5°	968.6	975.9	1004.8	1033.8	1004.8	975.9	968.6	921.6	858.8	827.4	805.3
150°	946.6	952.5	975.9	999.5	975.9	952.5	946.6	906.8	853.9	827.4	808.1
152.5°	929.2	933.7	951.4	969.1	951.4	933.7	929.2	895.3	850.1	827.4	810.0
155°	908.4	911.3	923.1	934.8	923.1	911.3	908.4	881.3	845.4	827.4	814.1
157.5°	890.4	892.4	900.6	908.9	900.6	892.4	890.4	869.3	841.4	827.4	818.3
160°	881.3	882.5	887.4	892.1	887.4	882.5	881.3	863.3	839.4	827.4	820.1
162.5°	872.9	874.0	878.5	883.1	878.5	874.0	872.9	857.7	837.5	827.4	822.1
165°	860.0	861.2	866.0	870.7	866.0	861.2	860.0	849.1	834.7	827.4	825.0
167.5°	854.3	854.9	856.9	858.9	856.9	854.9	854.3	847.2	837.7	833.0	831.0
170°	854.3	854.3	854.3	854.3	854.3	854.3	854.3	847.2	837.7	833.0	832.9
172.5°	849.9	849.4	847.7	846.0	847.7	849.4	849.9	844.2	836.7	833.0	833.0
175°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	840.1	835.3	833.0	834.0
177.5°	842.6	842.1	840.0	838.0	840.0	842.1	842.6	839.8	836.0	834.1	835.0
180°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934528

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4821.1	4844.2	4858.0	4876.5	4922.7
5°	4636.3	4724.1	4751.8	4821.1	4904.1
7.5°	4230.0	4497.8	4571.7	4737.9	4867.2
10°	3837.5	4105.3	4234.5	4627.1	4821.1
12.5°	3638.9	3795.9	3883.6	4433.1	4756.4
15°	3514.2	3625.0	3689.7	4174.5	4682.5
17.5°	3417.2	3495.7	3541.9	3920.5	4580.9
20°	3357.2	3394.1	3435.7	3735.9	4465.5
22.5°	3315.6	3292.5	3324.9	3606.5	4308.5
25°	3287.9	3200.2	3237.1	3504.9	4123.7
27.5°	3311.0	3117.1	3130.9	3412.6	3929.8
30°	3315.6	3015.4	3020.1	3315.6	3712.8
32.5°	3283.3	2909.3	2913.8	3195.6	3468.0
35°	3204.8	2784.6	2779.9	3057.0	3135.5
37.5°	3098.6	2650.7	2650.7	2904.7	2770.8
40°	2969.3	2516.7	2530.6	2706.1	2447.5
42.5°	2812.2	2373.6	2392.1	2442.8	2207.3
45°	2641.4	2235.1	2248.9	2064.1	2022.6
47.5°	2452.1	2091.9	2096.5	1713.2	1962.6
50°	2225.8	1944.1	1925.6	1468.5	1958.0
52.5°	2027.2	1782.5	1727.0	1330.0	1777.9
55°	1833.3	1611.6	1491.5	1223.7	1648.5
57.5°	1662.5	1390.0	1274.5	1099.0	1620.9
60°	1505.4	1173.0	1085.2	965.1	1487.0
62.5°	1376.1	1011.3	992.9	872.8	1348.4
65°	1237.6	900.4	895.9	794.3	1145.2
67.5°	1103.7	826.6	821.9	720.3	872.8
70°	960.5	748.1	738.9	641.8	646.5
72.5°	812.8	660.4	651.1	577.3	535.7
75°	664.9	558.8	554.2	503.3	434.1
77.5°	521.9	443.4	452.5	406.3	318.6
80°	374.0	323.3	332.5	290.9	240.1
82.5°	249.3	212.4	221.7	184.7	161.6
85°	138.5	120.1	124.7	97.0	73.9
87.5°	64.7	55.4	55.4	36.9	23.1
90°	24.7	15.7	14.6	10.1	5.6
92.5°	152.5	108.5	99.0	60.7	22.5
95°	375.5	211.5	194.0	124.0	54.0
97.5°	505.8	232.3	216.9	155.1	93.3
100°	553.2	249.7	235.7	179.7	123.7
102.5°	575.0	267.2	254.1	201.8	149.6
105°	591.1	293.0	281.9	237.7	193.5
107.5°	594.2	331.3	321.0	279.7	238.5
110°	589.6	352.7	343.4	306.1	268.9



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CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	589.8	378.5	369.6	334.1	298.6
115°	595.3	417.3	409.2	376.4	343.7
117.5°	606.3	455.0	447.5	417.8	388.1
120°	615.3	476.9	469.9	442.0	414.0
122.5°	628.3	502.8	495.8	467.6	439.3
125°	645.8	536.0	529.6	503.8	478.1
127.5°	663.1	568.1	561.6	535.6	509.6
130°	675.9	589.4	582.4	554.5	526.5
132.5°	686.2	606.9	599.9	571.9	543.9
135°	697.4	627.1	620.7	595.3	569.8
137.5°	714.3	653.0	646.8	621.5	596.2
140°	724.6	670.4	664.6	641.4	618.1
142.5°	733.3	683.4	678.0	656.5	635.0
145°	744.5	703.1	698.3	679.6	660.9
147.5°	761.0	727.8	723.3	705.0	686.8
150°	769.6	740.7	736.6	720.1	703.6
152.5°	775.3	749.2	746.1	733.5	721.1
155°	787.7	767.7	765.5	756.2	746.9
157.5°	800.0	786.3	784.0	775.1	766.1
160°	805.7	794.7	793.0	786.0	779.0
162.5°	811.7	803.8	802.5	797.2	791.9
165°	820.2	816.7	815.5	810.8	806.0
167.5°	827.0	823.9	823.4	821.1	818.9
170°	832.6	832.4	831.9	829.6	827.4
172.5°	833.0	833.0	832.9	832.3	831.9
175°	836.3	838.0	838.0	838.0	838.0
177.5°	836.8	838.0	838.0	838.0	838.0
180°	838.0	838.0	838.0	838.0	838.0



TEST NUMBER: P934528  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.91	16.99	16.67	17.77	18.73	18.76	19.84	19.53	20.62	21.58
	3H	16.40	17.37	17.18	18.16	19.15	20.13	21.09	20.91	21.89	22.88
	4H	16.60	17.51	17.40	18.32	19.32	20.59	21.50	21.38	22.30	23.30
	6H	16.73	17.57	17.54	18.39	19.40	20.89	21.73	21.70	22.54	23.55
	8H	16.74	17.54	17.56	18.37	19.38	20.97	21.77	21.79	22.61	23.62
	12H	16.72	17.48	17.54	18.31	19.35	21.02	21.78	21.85	22.61	23.65
4H	2H	16.97	17.88	17.77	18.69	19.68	19.20	20.11	20.00	20.91	21.91
	3H	18.02	18.78	18.83	19.62	20.63	20.73	21.49	21.54	22.33	23.34
	4H	18.31	19.00	19.13	19.83	20.87	21.27	21.96	22.09	22.80	23.84
	6H	18.44	19.04	19.29	19.90	20.95	21.65	22.25	22.49	23.11	24.16
	8H	18.45	19.01	19.30	19.87	20.93	21.77	22.32	22.61	23.18	24.24
	12H	18.43	18.93	19.30	19.81	20.87	21.84	22.34	22.70	23.22	24.28
8H	4H	18.78	19.34	19.63	20.19	21.25	21.41	21.97	22.26	22.83	23.88
	6H	19.05	19.51	19.92	20.41	21.47	21.86	22.32	22.74	23.22	24.28
	8H	19.09	19.50	19.98	20.40	21.47	22.02	22.43	22.90	23.32	24.40
	12H	19.09	19.45	19.98	20.33	21.46	22.13	22.49	23.02	23.38	24.51
12H	4H	18.80	19.30	19.66	20.18	21.24	21.38	21.89	22.25	22.76	23.83
	6H	19.11	19.52	20.00	20.42	21.49	21.86	22.27	22.74	23.16	24.24
	8H	19.19	19.55	20.08	20.44	21.57	22.03	22.40	22.92	23.28	24.41