

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: NEO-RAY

Report Number: P333492-840

Luminaire Tested: **S125RDIP-S375D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333492-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S375D365U840-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2801.2 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

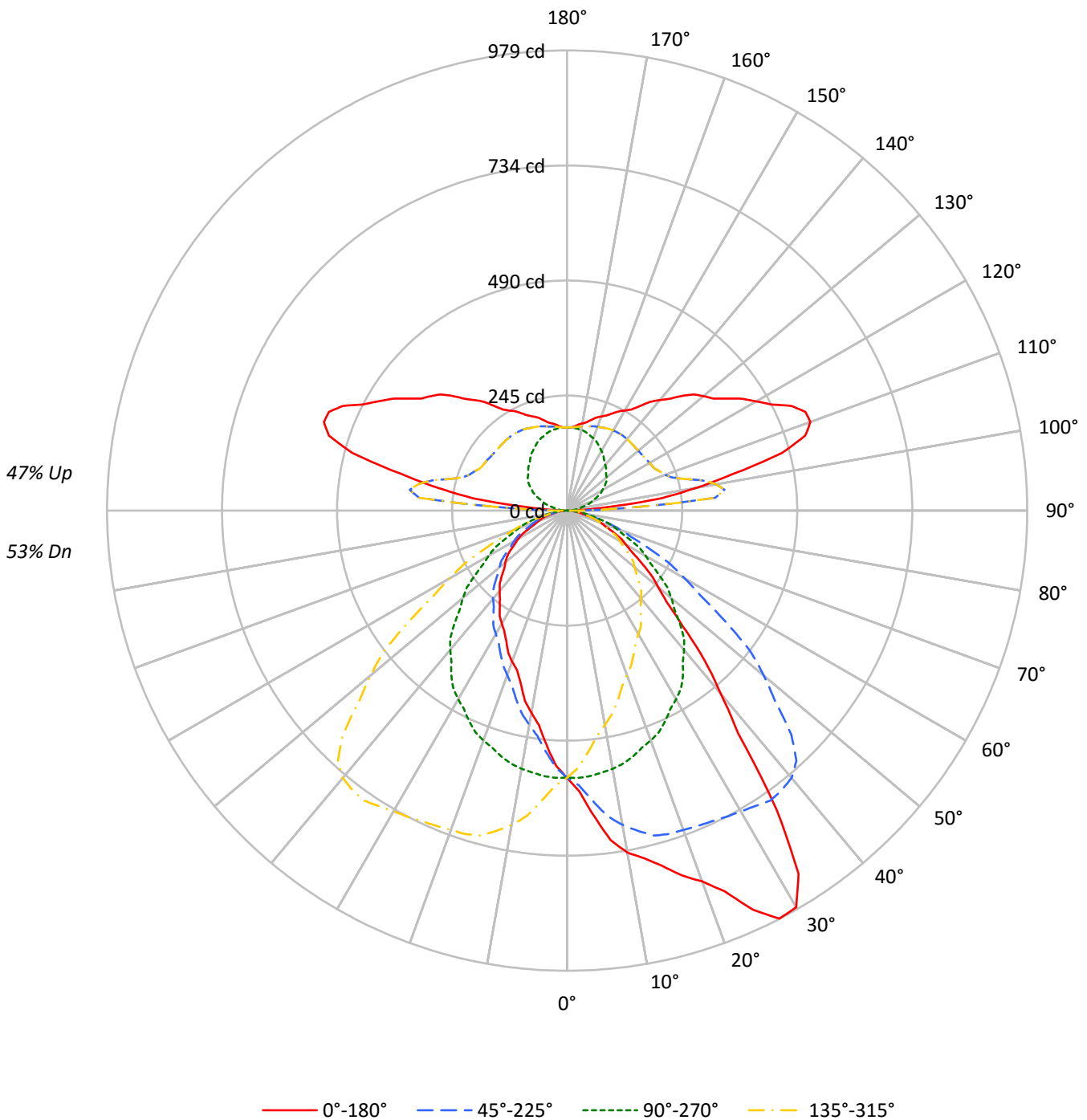
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	95	91	88	91	88	85	82	75	73	71	63	62	60	52	51	50	45
2	90	83	77	72	83	77	72	68	66	62	59	56	53	51	47	45	43	39
3	83	73	66	61	76	68	62	57	59	54	50	50	46	43	42	39	37	33
4	76	65	57	52	70	61	54	49	52	47	43	45	41	38	37	35	32	29
5	70	58	50	44	64	54	47	42	47	42	37	40	36	33	34	31	28	25
6	64	52	44	39	59	49	42	37	42	37	33	36	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	33	29	35	30	26	30	26	23	26	22	20	18
9	51	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16	14

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

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	1.9
10°-20°	159.7	5.7
20°-30°	253.3	9.0
30°-40°	305.4	10.9
40°-50°	272.8	9.7
50°-60°	209.2	7.5
60°-70°	135.9	4.9
70°-80°	66.1	2.4
80°-90°	16.8	0.6
90°-100°	128.3	4.6
100°-110°	275.8	9.8
110°-120°	258.9	9.2
120°-130°	209.8	7.5
130°-140°	168.4	6.0
140°-150°	127.0	4.5
150°-160°	89.4	3.2
160°-170°	52.7	1.9
170°-180°	17.1	0.6
0°-30°	467.5	16.7
0°-40°	773.0	27.6
0°-60°	1254.9	44.8
0°-90°	1473.7	52.6
90°-120°	663.0	23.7
90°-150°	1168.2	41.7
90°-180°	1328.0	47.4
0°-180°	2801.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	8	0	8	0	8	6
95°	84	12	84	12	84	119
105°	473	40	473	40	473	470
115°	527	72	527	72	527	515
125°	415	100	415	100	415	376
135°	345	117	345	117	345	267
145°	272	136	272	136	272	173
155°	228	156	228	156	228	106
165°	200	170	200	170	200	57
175°	180	177	180	177	180	17
180°	177	177	177	177	177	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	5.8	5.6	5.4	5.4	5.5	5.8	5.5	5.3	5.2	5.0	5.2
90°	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5	6.1	5.8	4.9
92.5°	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2	93.1	115.0	116.9
95°	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6	309.4	316.2	258.0
97.5°	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1	391.5	337.7	230.5
100°	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0	411.5	322.2	205.6
102.5°	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1	399.5	295.2	186.7
105°	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9	361.2	258.7	168.4
107.5°	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6	322.0	233.7	160.8
110°	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9	299.8	222.0	158.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5	283.3	215.1	158.4
115°	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1	265.2	207.7	159.6
117.5°	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1	254.4	204.1	161.9
120°	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8	248.4	202.4	164.2
122.5°	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1	243.3	201.0	166.1
125°	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9	236.3	199.1	169.6
127.5°	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5	229.8	198.3	173.3
130°	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3	225.6	197.7	175.6
132.5°	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1	222.2	197.7	178.1
135°	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0	218.0	197.7	181.7
137.5°	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1	214.4	198.1	184.9
140°	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7	212.7	198.4	186.3
142.5°	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1	211.3	198.7	187.1
145°	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3	209.1	198.4	188.0
147.5°	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6	206.9	197.5	188.4
150°	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1	205.2	196.6	188.4
152.5°	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3	203.2	195.5	188.1
155°	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9	199.9	193.5	187.3
157.5°	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7	196.7	191.3	186.4
160°	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8	194.2	189.9	185.6
162.5°	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6	191.9	188.1	184.7
165°	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3	188.4	185.6	183.5
167.5°	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1	185.1	183.1	181.5
170°	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9	183.1	181.7	180.6
172.5°	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3	181.1	180.0	179.5
175°	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6	178.4	178.1	178.1
177.5°	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6	177.3	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	5.3	5.0	5.2	5.0	4.7	5.6	6.0	6.1	5.8	5.6	5.3
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3	5.3	8.3	12.7
95°	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8	12.1	14.9	18.9
97.5°	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6	20.0	22.0	26.0
100°	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9	25.7	27.2	31.0
102.5°	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0	31.4	32.5	36.8
105°	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3	40.3	42.1	45.6
107.5°	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5	50.2	51.9	54.8
110°	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0	56.8	58.2	61.4





TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6	63.3	64.4	67.7
115°	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1	72.8	73.9	77.1
117.5°	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7	81.7	82.9	86.0
120°	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3	87.5	88.9	92.1
122.5°	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4	93.1	94.3	97.6
125°	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0	100.7	102.4	105.6
127.5°	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8	106.9	109.2	113.3
130°	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6	110.7	113.5	118.2
132.5°	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4	113.8	117.2	122.4
135°	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0	118.5	122.8	128.5
137.5°	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9	124.0	127.9	133.7
140°	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3	127.4	131.7	137.4
142.5°	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4	131.1	135.1	140.9
145°	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3	137.0	140.6	145.6
147.5°	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6	143.0	146.1	150.8
150°	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3	147.0	149.6	154.2
152.5°	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4	150.8	153.0	157.0
155°	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6	155.6	157.7	161.3
157.5°	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4	160.3	162.0	165.0
160°	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5	163.1	164.5	167.0
162.5°	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0	165.7	167.1	169.4
165°	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9	169.2	170.3	172.0
167.5°	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5	172.1	172.8	173.7
170°	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2	173.8	174.2	174.9
172.5°	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3	174.7	175.0	175.7
175°	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6	175.9	176.3	176.6
177.5°	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3	176.7	176.7	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	5.3	5.4	5.3	5.8	5.3	5.7	5.7	5.6	5.7	5.8	5.7
90°	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5	6.8	7.2	7.9
92.5°	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2	45.8	34.5	29.3
95°	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6	202.4	158.4	128.5
97.5°	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1	344.2	301.3	259.6
100°	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0	421.5	384.8	347.6
102.5°	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1	468.9	451.3	426.2
105°	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9	495.7	511.4	507.6
107.5°	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6	471.8	512.1	530.8
110°	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9	444.7	495.0	525.3



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5	417.9	468.8	504.5
115°	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1	379.4	428.3	467.2
117.5°	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1	352.7	394.9	430.6
120°	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8	337.6	376.9	408.3
122.5°	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1	326.8	361.7	391.1
125°	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9	312.3	343.4	369.0
127.5°	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5	298.4	327.4	351.4
130°	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3	288.7	316.6	339.8
132.5°	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1	279.6	304.9	327.2
135°	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0	265.5	288.4	308.7
137.5°	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1	253.0	272.0	289.2
140°	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7	245.5	262.0	276.9
142.5°	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1	239.2	253.4	266.4
145°	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3	231.3	242.4	252.0
147.5°	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6	224.6	233.2	240.4
150°	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1	221.0	227.7	234.1
152.5°	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3	217.2	223.4	228.4
155°	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9	211.7	216.6	220.6
157.5°	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7	206.3	210.3	213.3
160°	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8	202.4	205.9	208.4
162.5°	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6	198.9	202.0	204.2
165°	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3	193.8	195.9	197.7
167.5°	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1	188.8	190.5	191.8
170°	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9	185.9	187.0	187.7
172.5°	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3	183.4	184.2	184.6
175°	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6	179.6	180.3	180.3
177.5°	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6	177.8	177.8	177.8
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	5.9	5.7	5.8	5.8	5.8	5.7	5.9	5.7	5.8	5.7	5.6
90°	7.9	7.9	8.2	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5
92.5°	24.7	23.8	23.3	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2
95°	103.1	92.4	89.6	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6
97.5°	237.6	217.6	207.3	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1
100°	323.0	297.3	284.1	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0
102.5°	399.8	381.5	367.2	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1
105°	496.0	484.3	477.2	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9
107.5°	536.5	536.5	534.1	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6
110°	541.4	548.2	550.7	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	528.0	539.7	545.8	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5
115°	495.0	512.1	522.1	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1
117.5°	458.4	476.2	486.0	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1
120°	434.7	451.8	461.5	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8
122.5°	414.8	430.4	440.1	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1
125°	389.0	403.6	411.5	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9
127.5°	369.6	382.5	389.9	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5
130°	357.6	369.4	376.6	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3
132.5°	345.1	356.8	363.3	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1
135°	324.5	336.2	342.6	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0
137.5°	303.3	314.0	319.9	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1
140°	290.1	299.4	304.8	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7
142.5°	277.6	285.5	290.5	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1
145°	260.5	266.6	270.5	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3
147.5°	247.2	252.1	254.3	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6
150°	239.4	243.8	245.2	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1
152.5°	232.9	236.3	237.7	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3
155°	224.1	226.6	227.7	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9
157.5°	216.1	218.1	219.1	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7
160°	211.0	212.7	213.4	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8
162.5°	206.1	207.5	207.7	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6
165°	199.1	199.9	199.9	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3
167.5°	192.5	193.1	192.8	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1
170°	188.4	188.8	188.8	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9
172.5°	184.7	185.4	184.8	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3
175°	180.3	180.6	179.9	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6
177.5°	177.6	177.8	177.0	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	5.7	5.7	5.3	5.8	5.3	5.4	5.3	5.3	5.6	5.8	6.1
90°	6.1	5.8	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	93.1	115.0	116.9	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3
95°	309.4	316.2	258.0	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8
97.5°	391.5	337.7	230.5	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6
100°	411.5	322.2	205.6	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9
102.5°	399.5	295.2	186.7	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0
105°	361.2	258.7	168.4	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3
107.5°	322.0	233.7	160.8	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5
110°	299.8	222.0	158.4	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.3	215.1	158.4	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6
115°	265.2	207.7	159.6	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1
117.5°	254.4	204.1	161.9	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7
120°	248.4	202.4	164.2	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3
122.5°	243.3	201.0	166.1	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4
125°	236.3	199.1	169.6	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0
127.5°	229.8	198.3	173.3	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8
130°	225.6	197.7	175.6	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6
132.5°	222.2	197.7	178.1	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4
135°	218.0	197.7	181.7	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0
137.5°	214.4	198.1	184.9	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9
140°	212.7	198.4	186.3	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3
142.5°	211.3	198.7	187.1	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4
145°	209.1	198.4	188.0	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3
147.5°	206.9	197.5	188.4	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6
150°	205.2	196.6	188.4	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3
152.5°	203.2	195.5	188.1	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4
155°	199.9	193.5	187.3	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6
157.5°	196.7	191.3	186.4	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4
160°	194.2	189.9	185.6	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5
162.5°	191.9	188.1	184.7	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0
165°	188.4	185.6	183.5	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9
167.5°	185.1	183.1	181.5	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5
170°	183.1	181.7	180.6	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2
172.5°	181.1	180.0	179.5	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3
175°	178.4	178.1	178.1	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6
177.5°	177.3	177.0	177.0	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.0	5.6	4.7	5.0	5.2	5.0	5.3	5.2	5.0	5.2	5.3
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5
92.5°	5.3	8.3	12.7	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2
95°	12.1	14.9	18.9	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6
97.5°	20.0	22.0	26.0	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1
100°	25.7	27.2	31.0	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0
102.5°	31.4	32.5	36.8	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1
105°	40.3	42.1	45.6	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9
107.5°	50.2	51.9	54.8	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6
110°	56.8	58.2	61.4	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9





TEST NUMBER: P333492-840

CATALOG NUMBER: S125RDIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	63.3	64.4	67.7	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5
115°	72.8	73.9	77.1	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1
117.5°	81.7	82.9	86.0	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1
120°	87.5	88.9	92.1	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8
122.5°	93.1	94.3	97.6	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1
125°	100.7	102.4	105.6	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9
127.5°	106.9	109.2	113.3	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5
130°	110.7	113.5	118.2	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3
132.5°	113.8	117.2	122.4	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1
135°	118.5	122.8	128.5	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0
137.5°	124.0	127.9	133.7	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1
140°	127.4	131.7	137.4	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7
142.5°	131.1	135.1	140.9	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1
145°	137.0	140.6	145.6	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3
147.5°	143.0	146.1	150.8	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6
150°	147.0	149.6	154.2	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1
152.5°	150.8	153.0	157.0	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3
155°	155.6	157.7	161.3	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9
157.5°	160.3	162.0	165.0	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7
160°	163.1	164.5	167.0	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8
162.5°	165.7	167.1	169.4	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6
165°	169.2	170.3	172.0	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3
167.5°	172.1	172.8	173.7	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1
170°	173.8	174.2	174.9	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9
172.5°	174.7	175.0	175.7	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3
175°	175.9	176.3	176.6	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6
177.5°	176.7	176.7	177.0	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	5.5	5.8	5.5	5.4	5.4	5.6	5.8
90°	6.8	7.2	7.9	7.9	7.9	8.2	8.2
92.5°	45.8	34.5	29.3	24.7	23.8	23.3	22.7
95°	202.4	158.4	128.5	103.1	92.4	89.6	83.9
97.5°	344.2	301.3	259.6	237.6	217.6	207.3	202.7
100°	421.5	384.8	347.6	323.0	297.3	284.1	278.4
102.5°	468.9	451.3	426.2	399.8	381.5	367.2	362.9
105°	495.7	511.4	507.6	496.0	484.3	477.2	472.9
107.5°	471.8	512.1	530.8	536.5	536.5	534.1	531.3
110°	444.7	495.0	525.3	541.4	548.2	550.7	550.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	417.9	468.8	504.5	528.0	539.7	545.8	548.5
115°	379.4	428.3	467.2	495.0	512.1	522.1	526.7
117.5°	352.7	394.9	430.6	458.4	476.2	486.0	488.9
120°	337.6	376.9	408.3	434.7	451.8	461.5	464.3
122.5°	326.8	361.7	391.1	414.8	430.4	440.1	442.6
125°	312.3	343.4	369.0	389.0	403.6	411.5	415.1
127.5°	298.4	327.4	351.4	369.6	382.5	389.9	391.5
130°	288.7	316.6	339.8	357.6	369.4	376.6	378.7
132.5°	279.6	304.9	327.2	345.1	356.8	363.3	365.8
135°	265.5	288.4	308.7	324.5	336.2	342.6	344.8
137.5°	253.0	272.0	289.2	303.3	314.0	319.9	322.2
140°	245.5	262.0	276.9	290.1	299.4	304.8	306.6
142.5°	239.2	253.4	266.4	277.6	285.5	290.5	292.1
145°	231.3	242.4	252.0	260.5	266.6	270.5	272.0
147.5°	224.6	233.2	240.4	247.2	252.1	254.3	255.0
150°	221.0	227.7	234.1	239.4	243.8	245.2	245.5
152.5°	217.2	223.4	228.4	232.9	236.3	237.7	238.1
155°	211.7	216.6	220.6	224.1	226.6	227.7	228.0
157.5°	206.3	210.3	213.3	216.1	218.1	219.1	219.0
160°	202.4	205.9	208.4	211.0	212.7	213.4	213.1
162.5°	198.9	202.0	204.2	206.1	207.5	207.7	207.6
165°	193.8	195.9	197.7	199.1	199.9	199.9	199.9
167.5°	188.8	190.5	191.8	192.5	193.1	192.8	192.7
170°	185.9	187.0	187.7	188.4	188.8	188.8	188.4
172.5°	183.4	184.2	184.6	184.7	185.4	184.8	184.4
175°	179.6	180.3	180.3	180.3	180.6	179.9	179.6
177.5°	177.8	177.8	177.8	177.6	177.8	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0

(END OF REPORT)