

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: P333117-840

Luminaire Tested: **S125DIP-S375D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333117-840  
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: S125DIP-S375D365U840-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2879.8 lumens  
Efficiency: N/A  
Efficacy: 141.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

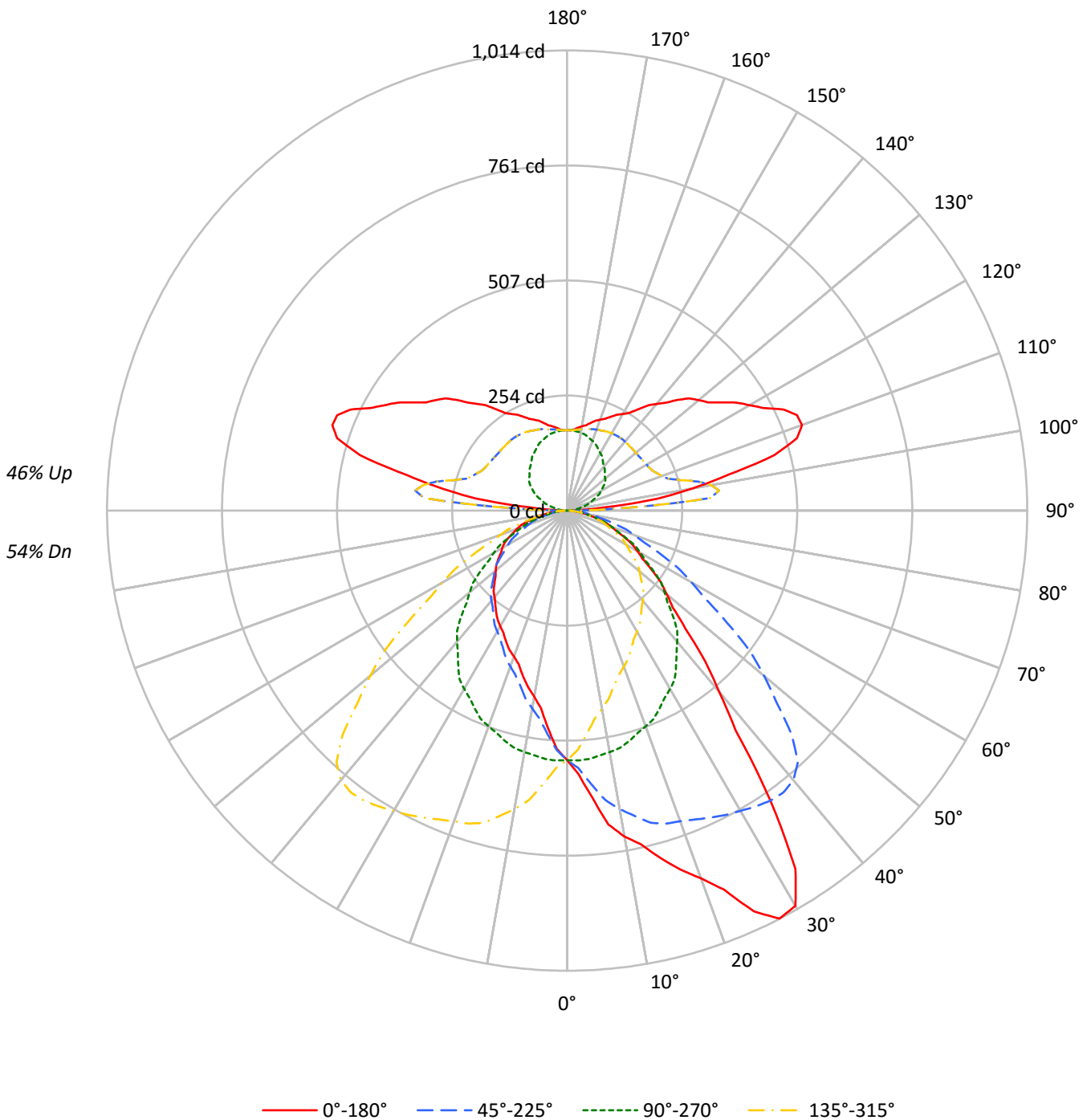
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333117-840

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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	86	86	86	72	72	72	60	60	60	54
1	99	95	91	87	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	66	60	76	68	62	57	59	54	50	50	46	43	42	39	37	33
4	76	65	57	51	70	60	53	48	52	47	43	45	41	37	38	35	32	29
5	69	58	50	44	64	54	47	41	47	41	37	40	36	32	34	31	28	25
6	64	52	44	38	59	49	41	36	42	36	32	36	32	28	31	27	25	22
7	59	47	39	33	55	44	37	32	38	33	28	33	28	25	28	25	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18	16
10	48	36	28	24	44	34	27	23	29	24	20	26	21	18	22	19	16	14

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

	0°	90°	180°	270°
0°	3551	3551	3551	3551
5°	4112	3563	3120	3563
10°	4783	3545	2733	3545
15°	5295	3518	2521	3518
20°	5927	3477	2351	3477
25°	6944	3430	2268	3430
30°	7500	3384	2196	3384
35°	6166	3299	2149	3299
40°	4383	3179	2097	3179
45°	3368	3018	2067	3018
50°	2875	2817	2063	2817
55°	2559	2622	2081	2622
60°	2308	2408	2134	2408
65°	2133	2193	2190	2193
70°	1939	1969	2221	1969
75°	1712	1737	2201	1737
80°	1443	1417	2012	1417
85°	1149	1015	1623	1015



TEST NUMBER: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	1.8
10°-20°	157.6	5.5
20°-30°	255.9	8.9
30°-40°	312.1	10.8
40°-50°	283.9	9.9
50°-60°	226.2	7.9
60°-70°	157.5	5.5
70°-80°	84.0	2.9
80°-90°	22.2	0.8
90°-100°	128.3	4.5
100°-110°	275.8	9.6
110°-120°	258.9	9.0
120°-130°	209.8	7.3
130°-140°	168.4	5.8
140°-150°	127.0	4.4
150°-160°	89.4	3.1
160°-170°	52.7	1.8
170°-180°	17.1	0.6
0°-30°	466.4	16.2
0°-40°	778.5	27.0
0°-60°	1288.6	44.7
0°-90°	1552.3	53.9
90°-120°	663.0	23.0
90°-150°	1168.2	40.6
90°-180°	1328.0	46.1
0°-180°	2879.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	634	550	481	550	634	64
15°	792	526	377	526	792	227
25°	974	481	318	481	974	445
35°	782	418	273	418	782	479
45°	369	330	226	330	369	295
55°	227	233	185	233	227	205
65°	140	144	143	144	140	138
75°	69	70	88	70	69	74
85°	16	14	22	14	16	18
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	



TEST NUMBER: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	581.5	580.8	580.0	578.6	579.7	576.4	575.0	572.4	569.2	568.0	566.7
5°	634.2	635.4	636.6	631.7	632.2	628.8	621.4	615.3	610.5	604.1	599.7
7.5°	697.7	695.0	694.7	691.6	686.1	681.7	673.9	663.9	654.2	643.2	634.1
10°	729.4	729.7	727.6	723.9	718.0	713.8	703.6	693.8	681.9	667.8	657.8
12.5°	753.4	754.4	751.6	746.6	743.8	734.4	726.3	714.7	700.5	689.3	674.1
15°	791.9	789.4	787.6	781.2	776.4	766.6	753.8	741.5	726.2	712.0	697.7
17.5°	829.2	831.3	827.8	822.0	806.8	795.4	778.2	761.5	742.4	723.3	706.3
20°	862.4	864.3	859.0	848.9	830.7	819.3	796.7	775.2	753.1	728.5	709.8
22.5°	903.9	902.4	895.1	879.9	864.1	843.0	818.5	792.3	764.6	736.9	712.1
25°	974.4	964.6	960.2	941.3	920.6	889.5	856.0	817.7	783.2	746.5	714.8
27.5°	1013.6	1010.5	1005.5	992.4	970.6	937.4	897.8	851.1	802.4	756.2	714.6
30°	1005.7	1006.2	1006.6	1002.5	988.5	963.5	924.0	873.9	816.0	764.0	715.9
32.5°	936.2	944.7	952.9	962.5	966.4	961.6	937.0	891.6	832.0	773.0	715.2
35°	782.1	784.8	811.1	837.3	872.7	900.3	918.7	898.6	848.5	780.5	714.3
37.5°	609.9	622.5	640.8	670.2	721.4	767.3	826.3	853.3	837.2	783.0	712.7
40°	519.9	531.6	543.5	573.6	616.7	672.3	739.2	796.4	809.7	775.2	707.0
42.5°	450.5	459.7	472.9	495.5	531.6	580.8	644.8	719.5	765.5	752.5	695.3
45°	368.7	374.6	384.8	402.7	428.9	467.4	523.8	605.5	676.7	700.2	667.4
47.5°	315.6	315.6	323.6	335.9	354.8	387.5	429.3	493.2	569.3	625.5	622.9
50°	286.1	284.9	291.2	301.9	316.9	338.6	378.5	429.6	502.6	566.3	584.1
52.5°	260.6	260.8	264.7	272.7	285.2	303.7	333.5	379.6	441.9	507.4	540.8
55°	227.3	226.3	230.8	236.1	245.3	257.4	278.8	314.1	364.8	429.1	472.5
57.5°	196.6	199.2	201.0	204.7	212.3	220.5	238.5	264.4	304.6	359.8	405.7
60°	178.7	181.3	182.7	186.4	192.5	199.5	213.5	234.5	268.3	316.0	361.4
62.5°	162.7	164.7	165.2	168.5	173.5	180.3	191.3	208.9	235.7	277.3	321.8
65°	139.6	139.6	140.5	144.0	146.3	152.4	160.8	173.6	195.1	227.5	265.6
67.5°	117.2	118.4	118.2	119.7	121.8	126.5	132.5	143.1	159.1	182.7	213.2
70°	102.7	103.6	103.4	104.5	106.8	109.9	114.8	124.8	136.2	156.5	182.7
72.5°	89.6	90.0	89.4	90.9	92.3	94.9	100.5	105.8	116.4	133.6	155.1
75°	68.6	69.1	69.6	70.5	71.9	73.3	76.0	81.4	88.5	101.3	115.0
77.5°	51.4	50.5	51.7	51.5	52.3	53.4	55.8	58.7	64.4	72.6	83.2
80°	38.8	39.0	39.0	39.2	40.4	41.1	43.1	45.2	49.7	55.7	63.2
82.5°	28.3	28.9	28.5	29.0	29.9	30.4	31.6	33.3	35.9	40.7	46.0
85°	15.5	14.2	14.7	15.1	15.1	15.5	16.4	17.1	18.5	20.3	22.4
87.5°	6.2	6.5	6.6	6.6	6.8	6.7	7.4	7.3	7.8	8.3	8.9
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



TEST NUMBER: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**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



TEST NUMBER: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	565.6	564.3	562.8	560.2	557.0	555.3	552.8	551.1	547.8	544.9	541.9
5°	594.3	588.2	582.7	575.4	567.5	562.4	556.3	549.6	542.5	535.3	527.4
7.5°	624.1	613.3	601.7	589.2	576.8	565.5	554.7	544.2	534.3	522.3	512.2
10°	644.0	630.5	616.0	599.1	582.4	567.9	553.3	540.5	527.4	513.4	501.0
12.5°	664.0	646.0	625.5	606.8	586.9	569.5	552.2	535.7	519.4	503.8	489.4
15°	678.1	662.3	643.4	616.7	594.3	570.3	547.4	526.2	506.3	489.1	470.9
17.5°	687.4	666.9	646.6	621.2	591.8	564.9	539.0	514.6	492.3	470.4	452.9
20°	689.0	668.0	646.8	621.9	591.8	561.0	535.0	505.9	481.9	459.2	437.8
22.5°	688.5	664.7	641.6	615.9	586.5	558.2	526.8	497.2	471.0	448.8	426.4
25°	683.3	657.8	628.8	603.0	574.0	543.9	512.2	481.4	454.8	429.4	407.2
27.5°	678.8	645.9	613.1	582.9	554.9	527.4	497.0	465.4	436.0	410.2	389.3
30°	673.5	637.2	600.4	568.9	540.2	513.4	484.6	453.8	423.0	397.9	375.5
32.5°	668.6	626.4	587.5	553.2	522.8	496.8	470.3	441.0	410.7	385.2	362.7
35°	659.2	610.5	565.8	527.1	494.7	467.9	445.7	418.4	390.6	365.9	344.5
37.5°	647.3	589.5	541.6	501.0	465.4	437.2	416.6	395.6	368.9	345.1	325.7
40°	637.9	574.5	523.8	482.3	445.5	416.1	396.9	377.1	355.0	332.8	312.3
42.5°	626.2	561.1	505.9	461.2	424.7	396.1	376.0	359.2	339.6	318.9	299.9
45°	604.6	536.7	477.0	428.9	392.0	363.8	343.1	330.4	315.7	296.1	280.0
47.5°	572.8	507.5	445.7	396.1	358.0	331.8	312.4	300.2	289.9	275.4	260.7
50°	544.6	485.6	423.0	373.9	335.8	309.4	291.4	280.4	271.7	260.4	248.0
52.5°	513.1	458.2	400.8	352.1	314.5	288.5	270.9	261.3	253.9	245.9	233.7
55°	462.9	416.3	363.0	316.9	282.2	256.7	241.3	232.9	226.8	220.8	213.3
57.5°	407.8	371.2	324.2	281.9	249.8	226.7	212.4	204.2	199.4	196.3	192.0
60°	368.9	337.7	297.1	258.5	227.3	206.7	192.8	186.4	182.5	180.0	176.6
62.5°	332.9	307.2	269.6	234.5	207.1	187.7	175.2	169.1	165.3	164.0	161.4
65°	279.8	259.9	228.9	199.8	176.4	159.9	149.4	143.5	141.2	139.8	140.0
67.5°	227.4	215.4	190.5	165.6	146.9	133.1	124.6	120.2	119.0	117.1	117.1
70°	195.5	186.4	165.4	143.7	127.1	116.4	109.0	104.3	103.1	102.2	102.0
72.5°	167.3	159.4	141.2	123.8	108.9	99.5	93.3	90.5	88.6	88.1	88.0
75°	125.7	121.4	106.8	93.1	82.8	76.3	72.1	69.6	68.2	67.9	68.2
77.5°	89.4	85.5	76.3	66.6	60.1	55.1	51.6	50.7	49.2	49.2	49.0
80°	67.2	64.6	58.8	51.1	45.7	41.5	39.7	38.1	37.6	36.9	37.6
82.5°	48.7	45.9	42.0	37.1	32.6	30.2	28.3	27.8	27.5	27.2	27.3
85°	24.0	24.2	21.9	18.2	16.4	14.9	13.7	13.7	13.5	13.3	13.5
87.5°	9.2	8.6	7.8	7.1	6.1	5.4	4.9	5.2	4.6	4.5	4.9
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: P333117-840

CATALOG NUMBER: S125DIP-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: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	540.3	538.2	536.5	532.8	530.7	528.0	525.7	528.2	525.5	526.6	524.9
5°	523.4	516.8	512.2	505.4	499.6	494.2	490.3	489.6	487.7	486.8	483.9
7.5°	503.1	494.9	487.0	478.1	470.6	463.0	458.2	454.1	451.5	448.0	445.6
10°	491.2	480.2	470.9	460.2	450.8	442.6	436.2	432.8	429.8	425.4	423.7
12.5°	476.5	465.1	453.7	442.2	433.2	424.1	418.6	413.6	411.5	406.6	406.1
15°	458.8	441.7	430.5	418.9	406.5	399.0	394.4	389.0	386.7	383.1	380.6
17.5°	437.7	422.4	408.5	396.4	385.8	379.5	373.7	370.0	366.0	363.7	359.5
20°	422.3	407.9	393.8	381.0	372.8	365.7	361.0	357.5	353.3	352.1	347.9
22.5°	409.5	393.5	380.1	369.3	360.4	352.2	347.2	344.8	341.9	338.3	337.5
25°	388.5	371.9	360.5	349.8	341.8	334.4	330.9	327.9	325.1	322.4	321.5
27.5°	370.4	355.6	342.0	332.3	325.4	318.6	315.6	311.8	309.8	307.7	305.2
30°	357.7	342.5	330.6	321.3	313.9	307.8	304.5	301.9	300.1	298.2	296.8
32.5°	344.7	330.6	319.1	309.9	302.5	297.9	295.0	293.2	291.1	288.9	287.1
35°	327.4	311.9	300.7	292.9	287.0	283.5	280.2	278.6	276.3	276.3	274.4
37.5°	307.9	294.6	284.7	277.5	272.3	269.1	265.6	264.5	263.0	262.0	261.4
40°	296.4	284.0	274.7	267.4	261.9	259.2	256.4	254.6	253.7	252.5	252.1
42.5°	284.4	272.6	263.7	257.0	252.1	249.9	247.3	246.0	244.1	242.6	242.3
45°	266.2	254.8	246.6	241.3	237.1	234.5	232.9	230.0	229.1	227.3	227.0
47.5°	249.0	238.0	230.0	225.6	222.0	219.8	217.3	214.5	213.4	212.5	212.4
50°	236.1	226.1	218.6	214.5	211.0	207.9	205.3	203.5	202.8	202.8	203.3
52.5°	223.1	214.5	208.2	203.1	199.8	196.5	194.1	193.0	192.0	193.1	193.9
55°	204.0	195.3	190.7	185.7	182.5	178.7	177.5	177.1	176.4	178.2	179.3
57.5°	183.7	177.6	172.2	167.3	164.4	162.2	160.7	160.4	161.7	162.6	165.6
60°	170.8	163.8	159.0	155.2	151.7	150.3	149.8	149.4	150.3	152.8	156.8
62.5°	156.6	151.0	145.6	142.9	140.3	137.9	137.8	138.1	140.0	143.0	146.9
65°	135.8	130.9	127.4	124.1	122.0	120.7	121.1	122.0	124.1	128.2	132.5
67.5°	114.6	111.3	108.2	105.5	103.5	103.5	104.0	105.4	107.9	112.4	116.4
70°	101.1	97.4	94.7	93.6	91.9	91.0	92.4	94.7	96.8	101.1	104.5
72.5°	87.5	84.2	82.2	81.4	80.7	80.0	80.5	83.0	85.8	90.0	94.1
75°	67.2	66.0	64.6	63.7	63.0	63.5	63.9	66.2	68.6	73.0	77.7
77.5°	49.1	47.9	47.0	46.8	46.4	46.7	48.0	49.7	51.9	55.1	58.7
80°	37.1	36.7	36.2	36.0	36.0	36.2	38.1	39.2	41.3	44.3	47.2
82.5°	27.1	26.8	26.7	26.6	26.8	26.9	28.0	29.5	31.2	33.5	36.0
85°	14.2	13.7	14.4	14.7	14.2	14.9	15.5	16.4	17.1	18.2	19.4
87.5°	5.3	5.8	5.7	6.0	6.1	6.6	6.5	7.3	7.7	8.2	8.1
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: P333117-840

CATALOG NUMBER: S125DIP-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: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	523.8	525.1	524.0	525.5	524.0	525.1	523.8	524.9	526.6	525.5	528.2
5°	482.8	480.7	482.1	481.2	482.1	480.7	482.8	483.9	486.8	487.7	489.6
7.5°	444.9	442.9	440.6	439.5	440.6	442.9	444.9	445.6	448.0	451.5	454.1
10°	421.2	418.6	418.4	416.8	418.4	418.6	421.2	423.7	425.4	429.8	432.8
12.5°	403.8	401.4	398.8	398.1	398.8	401.4	403.8	406.1	406.6	411.5	413.6
15°	379.2	377.3	375.7	377.1	375.7	377.3	379.2	380.6	383.1	386.7	389.0
17.5°	358.7	357.2	356.9	355.2	356.9	357.2	358.7	359.5	363.7	366.0	370.0
20°	345.8	344.7	345.2	342.0	345.2	344.7	345.8	347.9	352.1	353.3	357.5
22.5°	335.6	333.3	333.0	332.3	333.0	333.3	335.6	337.5	338.3	341.9	344.8
25°	319.4	318.3	317.1	318.3	317.1	318.3	319.4	321.5	322.4	325.1	327.9
27.5°	305.4	304.0	303.7	303.9	303.7	304.0	305.4	305.2	307.7	309.8	311.8
30°	296.8	294.5	294.7	294.5	294.7	294.5	296.8	296.8	298.2	300.1	301.9
32.5°	287.5	285.9	285.6	285.2	285.6	285.9	287.5	287.1	288.9	291.1	293.2
35°	273.7	273.7	272.6	272.6	272.6	273.7	273.7	274.4	276.3	276.3	278.6
37.5°	260.7	260.5	259.8	259.9	259.8	260.5	260.7	261.4	262.0	263.0	264.5
40°	251.1	250.9	250.1	248.7	250.1	250.9	251.1	252.1	252.5	253.7	254.6
42.5°	241.8	241.0	240.7	240.1	240.7	241.0	241.8	242.3	242.6	244.1	246.0
45°	227.0	227.0	226.6	226.3	226.6	227.0	227.0	227.0	227.3	229.1	230.0
47.5°	212.8	213.2	214.1	213.9	214.1	213.2	212.8	212.4	212.5	213.4	214.5
50°	204.2	204.4	205.1	205.3	205.1	204.4	204.2	203.3	202.8	202.8	203.5
52.5°	194.7	196.0	196.9	196.7	196.9	196.0	194.7	193.9	193.1	192.0	193.0
55°	181.3	183.0	184.6	184.8	184.6	183.0	181.3	179.3	178.2	176.4	177.1
57.5°	168.1	170.4	172.1	172.7	172.1	170.4	168.1	165.6	162.6	161.7	160.4
60°	159.2	162.2	164.3	165.2	164.3	162.2	159.2	156.8	152.8	150.3	149.4
62.5°	150.6	154.0	156.0	156.2	156.0	154.0	150.6	146.9	143.0	140.0	138.1
65°	136.5	140.0	141.9	143.3	141.9	140.0	136.5	132.5	128.2	124.1	122.0
67.5°	121.4	124.9	126.9	128.1	126.9	124.9	121.4	116.4	112.4	107.9	105.4
70°	110.4	113.9	116.6	117.6	116.6	113.9	110.4	104.5	101.1	96.8	94.7
72.5°	99.6	102.7	104.9	106.0	104.9	102.7	99.6	94.1	90.0	85.8	83.0
75°	80.7	84.9	87.1	88.2	87.1	84.9	80.7	77.7	73.0	68.6	66.2
77.5°	62.2	66.0	67.4	68.0	67.4	66.0	62.2	58.7	55.1	51.9	49.7
80°	49.9	52.3	53.9	54.1	53.9	52.3	49.9	47.2	44.3	41.3	39.2
82.5°	38.4	40.3	40.8	41.4	40.8	40.3	38.4	36.0	33.5	31.2	29.5
85°	21.0	21.9	22.2	21.9	22.2	21.9	21.0	19.4	18.2	17.1	16.4
87.5°	8.5	8.3	8.4	8.8	8.4	8.3	8.5	8.1	8.2	7.7	7.3
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: P333117-840

CATALOG NUMBER: S125DIP-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: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	525.7	528.0	530.7	532.8	536.5	538.2	540.3	541.9	544.9	547.8	551.1
5°	490.3	494.2	499.6	505.4	512.2	516.8	523.4	527.4	535.3	542.5	549.6
7.5°	458.2	463.0	470.6	478.1	487.0	494.9	503.1	512.2	522.3	534.3	544.2
10°	436.2	442.6	450.8	460.2	470.9	480.2	491.2	501.0	513.4	527.4	540.5
12.5°	418.6	424.1	433.2	442.2	453.7	465.1	476.5	489.4	503.8	519.4	535.7
15°	394.4	399.0	406.5	418.9	430.5	441.7	458.8	470.9	489.1	506.3	526.2
17.5°	373.7	379.5	385.8	396.4	408.5	422.4	437.7	452.9	470.4	492.3	514.6
20°	361.0	365.7	372.8	381.0	393.8	407.9	422.3	437.8	459.2	481.9	505.9
22.5°	347.2	352.2	360.4	369.3	380.1	393.5	409.5	426.4	448.8	471.0	497.2
25°	330.9	334.4	341.8	349.8	360.5	371.9	388.5	407.2	429.4	454.8	481.4
27.5°	315.6	318.6	325.4	332.3	342.0	355.6	370.4	389.3	410.2	436.0	465.4
30°	304.5	307.8	313.9	321.3	330.6	342.5	357.7	375.5	397.9	423.0	453.8
32.5°	295.0	297.9	302.5	309.9	319.1	330.6	344.7	362.7	385.2	410.7	441.0
35°	280.2	283.5	287.0	292.9	300.7	311.9	327.4	344.5	365.9	390.6	418.4
37.5°	265.6	269.1	272.3	277.5	284.7	294.6	307.9	325.7	345.1	368.9	395.6
40°	256.4	259.2	261.9	267.4	274.7	284.0	296.4	312.3	332.8	355.0	377.1
42.5°	247.3	249.9	252.1	257.0	263.7	272.6	284.4	299.9	318.9	339.6	359.2
45°	232.9	234.5	237.1	241.3	246.6	254.8	266.2	280.0	296.1	315.7	330.4
47.5°	217.3	219.8	222.0	225.6	230.0	238.0	249.0	260.7	275.4	289.9	300.2
50°	205.3	207.9	211.0	214.5	218.6	226.1	236.1	248.0	260.4	271.7	280.4
52.5°	194.1	196.5	199.8	203.1	208.2	214.5	223.1	233.7	245.9	253.9	261.3
55°	177.5	178.7	182.5	185.7	190.7	195.3	204.0	213.3	220.8	226.8	232.9
57.5°	160.7	162.2	164.4	167.3	172.2	177.6	183.7	192.0	196.3	199.4	204.2
60°	149.8	150.3	151.7	155.2	159.0	163.8	170.8	176.6	180.0	182.5	186.4
62.5°	137.8	137.9	140.3	142.9	145.6	151.0	156.6	161.4	164.0	165.3	169.1
65°	121.1	120.7	122.0	124.1	127.4	130.9	135.8	140.0	139.8	141.2	143.5
67.5°	104.0	103.5	103.5	105.5	108.2	111.3	114.6	117.1	117.1	119.0	120.2
70°	92.4	91.0	91.9	93.6	94.7	97.4	101.1	102.0	102.2	103.1	104.3
72.5°	80.5	80.0	80.7	81.4	82.2	84.2	87.5	88.0	88.1	88.6	90.5
75°	63.9	63.5	63.0	63.7	64.6	66.0	67.2	68.2	67.9	68.2	69.6
77.5°	48.0	46.7	46.4	46.8	47.0	47.9	49.1	49.0	49.2	49.2	50.7
80°	38.1	36.2	36.0	36.0	36.2	36.7	37.1	37.6	36.9	37.6	38.1
82.5°	28.0	26.9	26.8	26.6	26.7	26.8	27.1	27.3	27.2	27.5	27.8
85°	15.5	14.9	14.2	14.7	14.4	13.7	14.2	13.5	13.3	13.5	13.7
87.5°	6.5	6.6	6.1	6.0	5.7	5.8	5.3	4.9	4.5	4.6	5.2
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: P333117-840

CATALOG NUMBER: S125DIP-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: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	552.8	555.3	557.0	560.2	562.8	564.3	565.6	566.7	568.0	569.2	572.4
5°	556.3	562.4	567.5	575.4	582.7	588.2	594.3	599.7	604.1	610.5	615.3
7.5°	554.7	565.5	576.8	589.2	601.7	613.3	624.1	634.1	643.2	654.2	663.9
10°	553.3	567.9	582.4	599.1	616.0	630.5	644.0	657.8	667.8	681.9	693.8
12.5°	552.2	569.5	586.9	606.8	625.5	646.0	664.0	674.1	689.3	700.5	714.7
15°	547.4	570.3	594.3	616.7	643.4	662.3	678.1	697.7	712.0	726.2	741.5
17.5°	539.0	564.9	591.8	621.2	646.6	666.9	687.4	706.3	723.3	742.4	761.5
20°	535.0	561.0	591.8	621.9	646.8	668.0	689.0	709.8	728.5	753.1	775.2
22.5°	526.8	558.2	586.5	615.9	641.6	664.7	688.5	712.1	736.9	764.6	792.3
25°	512.2	543.9	574.0	603.0	628.8	657.8	683.3	714.8	746.5	783.2	817.7
27.5°	497.0	527.4	554.9	582.9	613.1	645.9	678.8	714.6	756.2	802.4	851.1
30°	484.6	513.4	540.2	568.9	600.4	637.2	673.5	715.9	764.0	816.0	873.9
32.5°	470.3	496.8	522.8	553.2	587.5	626.4	668.6	715.2	773.0	832.0	891.6
35°	445.7	467.9	494.7	527.1	565.8	610.5	659.2	714.3	780.5	848.5	898.6
37.5°	416.6	437.2	465.4	501.0	541.6	589.5	647.3	712.7	783.0	837.2	853.3
40°	396.9	416.1	445.5	482.3	523.8	574.5	637.9	707.0	775.2	809.7	796.4
42.5°	376.0	396.1	424.7	461.2	505.9	561.1	626.2	695.3	752.5	765.5	719.5
45°	343.1	363.8	392.0	428.9	477.0	536.7	604.6	667.4	700.2	676.7	605.5
47.5°	312.4	331.8	358.0	396.1	445.7	507.5	572.8	622.9	625.5	569.3	493.2
50°	291.4	309.4	335.8	373.9	423.0	485.6	544.6	584.1	566.3	502.6	429.6
52.5°	270.9	288.5	314.5	352.1	400.8	458.2	513.1	540.8	507.4	441.9	379.6
55°	241.3	256.7	282.2	316.9	363.0	416.3	462.9	472.5	429.1	364.8	314.1
57.5°	212.4	226.7	249.8	281.9	324.2	371.2	407.8	405.7	359.8	304.6	264.4
60°	192.8	206.7	227.3	258.5	297.1	337.7	368.9	361.4	316.0	268.3	234.5
62.5°	175.2	187.7	207.1	234.5	269.6	307.2	332.9	321.8	277.3	235.7	208.9
65°	149.4	159.9	176.4	199.8	228.9	259.9	279.8	265.6	227.5	195.1	173.6
67.5°	124.6	133.1	146.9	165.6	190.5	215.4	227.4	213.2	182.7	159.1	143.1
70°	109.0	116.4	127.1	143.7	165.4	186.4	195.5	182.7	156.5	136.2	124.8
72.5°	93.3	99.5	108.9	123.8	141.2	159.4	167.3	155.1	133.6	116.4	105.8
75°	72.1	76.3	82.8	93.1	106.8	121.4	125.7	115.0	101.3	88.5	81.4
77.5°	51.6	55.1	60.1	66.6	76.3	85.5	89.4	83.2	72.6	64.4	58.7
80°	39.7	41.5	45.7	51.1	58.8	64.6	67.2	63.2	55.7	49.7	45.2
82.5°	28.3	30.2	32.6	37.1	42.0	45.9	48.7	46.0	40.7	35.9	33.3
85°	13.7	14.9	16.4	18.2	21.9	24.2	24.0	22.4	20.3	18.5	17.1
87.5°	4.9	5.4	6.1	7.1	7.8	8.6	9.2	8.9	8.3	7.8	7.3
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: P333117-840

CATALOG NUMBER: S125DIP-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



TEST NUMBER: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	575.0	576.4	579.7	578.6	580.0	580.8	581.5
5°	621.4	628.8	632.2	631.7	636.6	635.4	634.2
7.5°	673.9	681.7	686.1	691.6	694.7	695.0	697.7
10°	703.6	713.8	718.0	723.9	727.6	729.7	729.4
12.5°	726.3	734.4	743.8	746.6	751.6	754.4	753.4
15°	753.8	766.6	776.4	781.2	787.6	789.4	791.9
17.5°	778.2	795.4	806.8	822.0	827.8	831.3	829.2
20°	796.7	819.3	830.7	848.9	859.0	864.3	862.4
22.5°	818.5	843.0	864.1	879.9	895.1	902.4	903.9
25°	856.0	889.5	920.6	941.3	960.2	964.6	974.4
27.5°	897.8	937.4	970.6	992.4	1005.5	1010.5	1013.6
30°	924.0	963.5	988.5	1002.5	1006.6	1006.2	1005.7
32.5°	937.0	961.6	966.4	962.5	952.9	944.7	936.2
35°	918.7	900.3	872.7	837.3	811.1	784.8	782.1
37.5°	826.3	767.3	721.4	670.2	640.8	622.5	609.9
40°	739.2	672.3	616.7	573.6	543.5	531.6	519.9
42.5°	644.8	580.8	531.6	495.5	472.9	459.7	450.5
45°	523.8	467.4	428.9	402.7	384.8	374.6	368.7
47.5°	429.3	387.5	354.8	335.9	323.6	315.6	315.6
50°	378.5	338.6	316.9	301.9	291.2	284.9	286.1
52.5°	333.5	303.7	285.2	272.7	264.7	260.8	260.6
55°	278.8	257.4	245.3	236.1	230.8	226.3	227.3
57.5°	238.5	220.5	212.3	204.7	201.0	199.2	196.6
60°	213.5	199.5	192.5	186.4	182.7	181.3	178.7
62.5°	191.3	180.3	173.5	168.5	165.2	164.7	162.7
65°	160.8	152.4	146.3	144.0	140.5	139.6	139.6
67.5°	132.5	126.5	121.8	119.7	118.2	118.4	117.2
70°	114.8	109.9	106.8	104.5	103.4	103.6	102.7
72.5°	100.5	94.9	92.3	90.9	89.4	90.0	89.6
75°	76.0	73.3	71.9	70.5	69.6	69.1	68.6
77.5°	55.8	53.4	52.3	51.5	51.7	50.5	51.4
80°	43.1	41.1	40.4	39.2	39.0	39.0	38.8
82.5°	31.6	30.4	29.9	29.0	28.5	28.9	28.3
85°	16.4	15.5	15.1	15.1	14.7	14.2	15.5
87.5°	7.4	6.7	6.8	6.6	6.6	6.5	6.2
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



TEST NUMBER: P333117-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-A4

**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)