

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: P333135-940

Luminaire Tested: **S125DIP-S375D810U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333135-940
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-S375D810U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3965.1 lumens
Efficiency: N/A
Efficacy: 127.1 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: Semi-Indirect

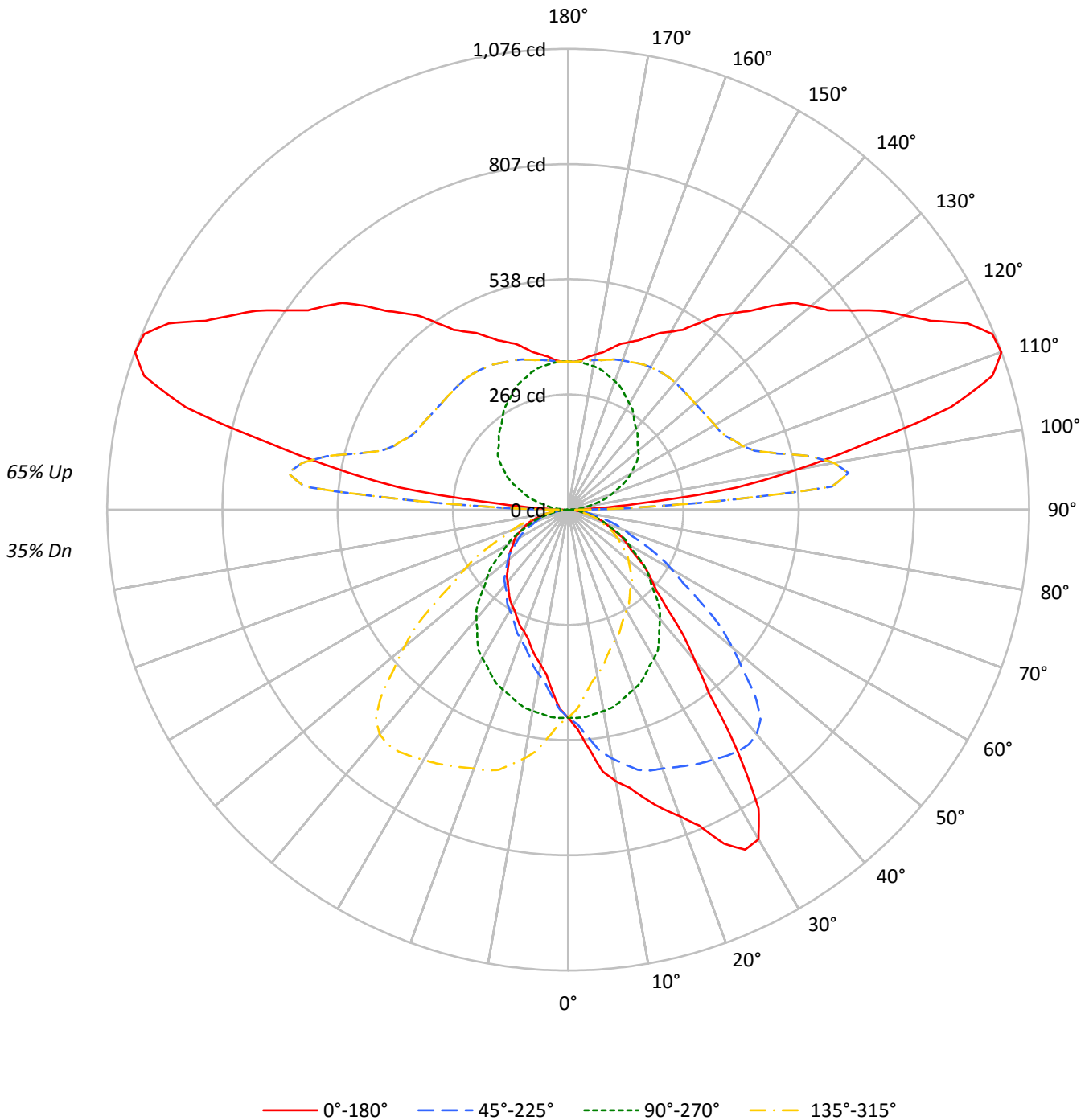
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	94	90	87	83	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	43	40	33	32	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	20	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	22	27	22	19	22	18	16	17	14	12	10
10	45	33	26	22	41	30	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3135	3135	3135	3135
5°	3630	3146	2755	3146
10°	4224	3129	2413	3129
15°	4676	3107	2226	3107
20°	5234	3070	2076	3070
25°	6131	3029	2003	3029
30°	6623	2988	1939	2988
35°	5445	2912	1898	2912
40°	3871	2807	1851	2807
45°	2974	2665	1825	2665
50°	2538	2488	1822	2488
55°	2260	2315	1838	2315
60°	2038	2126	1885	2126
65°	1883	1936	1933	1936
70°	1713	1739	1962	1739
75°	1510	1532	1941	1532
80°	1272	1250	1778	1250
85°	1008	897	1438	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.2
10°-20°	139.1	3.5
20°-30°	225.9	5.7
30°-40°	275.6	7.0
40°-50°	250.7	6.3
50°-60°	199.7	5.0
60°-70°	139.1	3.5
70°-80°	74.2	1.9
80°-90°	20.6	0.5
90°-100°	250.7	6.3
100°-110°	538.9	13.6
110°-120°	505.7	12.8
120°-130°	409.8	10.3
130°-140°	328.9	8.3
140°-150°	248.2	6.3
150°-160°	174.7	4.4
160°-170°	103.0	2.6
170°-180°	33.5	0.8
0°-30°	411.8	10.4
0°-40°	687.4	17.3
0°-60°	1137.8	28.7
0°-90°	1371.7	34.6
90°-120°	1295.2	32.7
90°-150°	2282.2	57.6
90°-180°	2593.0	65.4
0°-180°	3965.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	560	485	425	485	560	56
15°	699	465	333	465	699	200
25°	860	425	281	425	860	393
35°	691	369	241	369	691	423
45°	326	292	200	292	326	261
55°	201	206	163	206	201	181
65°	123	127	126	127	123	122
75°	60	61	78	61	60	65
85°	14	12	19	12	14	16
90°	16	1	16	1	16	11
95°	164	23	164	23	164	232
105°	924	79	924	79	924	918
115°	1029	141	1029	141	1029	1005
125°	811	195	811	195	811	734
135°	674	229	674	229	674	522
145°	531	266	531	266	531	338
155°	446	304	446	304	446	208
165°	390	332	390	332	390	112
175°	351	345	351	345	351	34
180°	346	346	346	346	346	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	513.4	512.8	512.1	510.9	511.8	509.0	507.7	505.4	502.6	501.6	500.4
5°	560.0	561.1	562.1	557.8	558.2	555.3	548.7	543.3	539.0	533.4	529.5
7.5°	616.1	613.7	613.4	610.6	605.8	601.9	595.0	586.2	577.7	567.9	559.9
10°	644.1	644.4	642.5	639.2	634.0	630.3	621.3	612.6	602.1	589.7	580.9
12.5°	665.2	666.1	663.7	659.2	656.7	648.5	641.3	631.1	618.6	608.7	595.2
15°	699.3	697.1	695.4	689.8	685.5	676.9	665.6	654.8	641.2	628.7	616.1
17.5°	732.2	734.1	730.9	725.9	712.4	702.3	687.2	672.4	655.5	638.6	623.7
20°	761.5	763.2	758.5	749.6	733.5	723.4	703.5	684.5	664.9	643.3	626.8
22.5°	798.2	796.8	790.4	776.9	763.0	744.4	722.7	699.6	675.1	650.7	628.7
25°	860.4	851.8	847.8	831.2	812.9	785.4	755.8	722.0	691.5	659.2	631.2
27.5°	895.0	892.2	887.9	876.3	857.0	827.7	792.7	751.5	708.6	667.7	631.0
30°	888.1	888.5	888.9	885.2	872.8	850.8	815.9	771.7	720.5	674.6	632.1
32.5°	826.7	834.2	841.4	849.9	853.4	849.1	827.3	787.3	734.7	682.5	631.5
35°	690.6	692.9	716.2	739.3	770.6	795.0	811.2	793.4	749.2	689.2	630.7
37.5°	538.5	549.7	565.8	591.8	637.0	677.5	729.6	753.5	739.2	691.4	629.3
40°	459.1	469.4	479.9	506.5	544.6	593.6	652.7	703.2	715.0	684.5	624.3
42.5°	397.8	405.9	417.6	437.6	469.4	512.8	569.4	635.3	675.9	664.4	613.9
45°	325.6	330.7	339.7	355.6	378.7	412.7	462.5	534.7	597.5	618.3	589.3
47.5°	278.7	278.7	285.7	296.6	313.3	342.1	379.1	435.5	502.7	552.3	550.0
50°	252.6	251.6	257.2	266.6	279.8	299.0	334.2	379.3	443.8	500.1	515.8
52.5°	230.2	230.3	233.7	240.8	251.8	268.1	294.4	335.2	390.2	448.0	477.5
55°	200.7	199.8	203.8	208.5	216.6	227.3	246.2	277.3	322.1	378.9	417.2
57.5°	173.6	175.9	177.5	180.7	187.4	194.7	210.6	233.4	268.9	317.7	358.2
60°	157.8	160.1	161.3	164.6	170.0	176.2	188.5	207.1	236.9	279.0	319.1
62.5°	143.7	145.4	145.9	148.8	153.2	159.2	168.9	184.5	208.1	244.9	284.2
65°	123.2	123.2	124.0	127.2	129.2	134.6	142.0	153.3	172.3	200.9	234.5
67.5°	103.5	104.5	104.3	105.7	107.5	111.7	117.0	126.4	140.4	161.3	188.2
70°	90.7	91.5	91.3	92.3	94.3	97.0	101.4	110.2	120.3	138.2	161.3
72.5°	79.1	79.5	78.9	80.3	81.5	83.8	88.7	93.5	102.8	118.0	137.0
75°	60.5	61.0	61.4	62.2	63.5	64.7	67.1	71.9	78.1	89.4	101.6
77.5°	45.4	44.6	45.7	45.5	46.2	47.2	49.3	51.8	56.9	64.1	73.5
80°	34.2	34.4	34.4	34.6	35.7	36.3	38.1	39.9	43.9	49.2	55.8
82.5°	25.0	25.5	25.1	25.6	26.4	26.8	27.9	29.4	31.7	35.9	40.7
85°	13.6	12.6	13.0	13.4	13.4	13.6	14.4	15.1	16.3	17.9	19.8
87.5°	7.1	7.5	7.5	7.5	7.7	7.4	7.9	7.8	8.1	8.5	8.9
90°	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6	11.9	11.1	9.7
92.5°	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6	182.0	224.8	228.4
95°	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3	604.5	617.8	504.1
97.5°	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6	764.8	659.7	450.1
100°	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6	803.9	629.6	401.6
102.5°	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9	780.5	576.6	364.8
105°	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9	705.6	505.5	329.1
107.5°	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2	629.2	456.6	314.1
110°	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3	585.7	433.6	309.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5	553.3	420.3	309.6
115°	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1	518.0	405.8	311.7
117.5°	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0	497.0	398.7	316.3
120°	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9	485.3	395.3	320.7
122.5°	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9	475.2	392.5	324.6
125°	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0	461.5	389.1	331.2
127.5°	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7	449.0	387.4	338.6
130°	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7	440.7	386.3	343.0
132.5°	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7	434.0	386.3	348.0
135°	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6	426.0	386.3	354.9
137.5°	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3	418.9	387.1	361.1
140°	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9	415.5	387.6	363.9
142.5°	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7	412.8	388.3	365.6
145°	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2	408.6	387.6	367.5
147.5°	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2	404.2	385.8	368.1
150°	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3	400.9	384.1	368.1
152.5°	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6	397.0	381.9	367.6
155°	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3	390.5	377.9	366.0
157.5°	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0	384.3	373.7	364.3
160°	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3	379.3	371.0	362.6
162.5°	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2	374.8	367.6	360.9
165°	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7	368.1	362.6	358.4
167.5°	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6	361.6	357.7	354.5
170°	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1	357.7	354.9	352.8
172.5°	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1	353.7	351.5	350.5
175°	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7	348.6	347.9	347.9
177.5°	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0	346.3	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	499.4	498.3	497.0	494.6	491.9	490.4	488.1	486.6	483.7	481.2	478.5
5°	524.8	519.4	514.5	508.1	501.1	496.6	491.2	485.3	479.0	472.7	465.7
7.5°	551.1	541.5	531.3	520.2	509.3	499.4	489.8	480.5	471.8	461.2	452.3
10°	568.6	556.7	543.9	529.0	514.2	501.5	488.6	477.2	465.7	453.3	442.4
12.5°	586.3	570.4	552.3	535.8	518.3	502.8	487.6	473.1	458.6	444.9	432.1
15°	598.8	584.8	568.1	544.6	524.8	503.5	483.4	464.7	447.1	431.9	415.8
17.5°	607.0	588.9	571.0	548.5	522.5	498.8	475.9	454.4	434.7	415.4	399.9
20°	608.4	589.9	571.1	549.1	522.5	495.3	472.4	446.7	425.5	405.5	386.6
22.5°	608.0	586.9	566.5	543.9	517.9	492.8	465.2	439.0	415.9	396.3	376.5
25°	603.3	580.9	555.3	532.4	506.8	480.3	452.3	425.1	401.6	379.2	359.5
27.5°	599.4	570.3	541.4	514.7	490.0	465.7	438.8	411.0	385.0	362.2	343.8
30°	594.7	562.7	530.1	502.3	477.0	453.3	427.9	400.7	373.5	351.3	331.5
32.5°	590.4	553.1	518.8	488.5	461.6	438.6	415.3	389.4	362.7	340.1	320.3
35°	582.1	539.0	499.6	465.5	436.8	413.1	393.5	369.4	344.9	323.1	304.2
37.5°	571.6	520.5	478.2	442.4	411.0	386.0	367.8	349.3	325.7	304.7	287.6
40°	563.3	507.3	462.5	425.9	393.3	367.4	350.4	333.0	313.4	293.8	275.7
42.5°	552.9	495.4	446.7	407.2	375.1	349.7	332.0	317.2	299.9	281.6	264.8
45°	533.9	473.9	421.2	378.7	346.2	321.2	302.9	291.8	278.7	261.4	247.3
47.5°	505.8	448.1	393.5	349.7	316.1	293.0	275.8	265.1	256.0	243.2	230.2
50°	480.9	428.8	373.5	330.1	296.5	273.2	257.3	247.6	239.9	230.0	219.0
52.5°	453.1	404.6	353.9	310.9	277.7	254.8	239.2	230.7	224.2	217.1	206.3
55°	408.8	367.6	320.6	279.8	249.1	226.7	213.0	205.6	200.3	194.9	188.3
57.5°	360.1	327.8	286.2	248.9	220.6	200.2	187.5	180.3	176.1	173.3	169.5
60°	325.7	298.2	262.3	228.3	200.7	182.5	170.2	164.6	161.1	158.9	156.0
62.5°	293.9	271.3	238.1	207.1	182.9	165.8	154.7	149.3	146.0	144.8	142.5
65°	247.1	229.5	202.2	176.4	155.8	141.2	131.9	126.7	124.7	123.4	123.6
67.5°	200.8	190.2	168.2	146.2	129.7	117.5	110.0	106.1	105.0	103.4	103.4
70°	172.6	164.6	146.1	126.9	112.3	102.8	96.2	92.1	91.0	90.2	90.1
72.5°	147.8	140.7	124.7	109.3	96.1	87.8	82.4	79.9	78.2	77.8	77.7
75°	111.0	107.2	94.3	82.2	73.1	67.4	63.7	61.4	60.2	59.9	60.2
77.5°	78.9	75.5	67.4	58.8	53.1	48.7	45.6	44.8	43.4	43.4	43.2
80°	59.3	57.1	51.9	45.1	40.4	36.6	35.0	33.6	33.2	32.5	33.2
82.5°	43.0	40.6	37.1	32.7	28.8	26.7	25.0	24.5	24.3	24.0	24.1
85°	21.2	21.4	19.4	16.1	14.4	13.2	12.1	12.1	11.9	11.8	11.9
87.5°	9.1	8.5	7.7	6.9	5.8	5.0	4.5	4.5	4.2	4.4	4.8
90°	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7	1.4	2.8	4.2
92.5°	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5	10.3	16.1	24.8
95°	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0	23.7	29.2	36.9
97.5°	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2	39.1	43.0	50.6
100°	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8	50.2	53.0	60.6
102.5°	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5	61.3	63.6	71.8
105°	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8	78.8	82.3	89.3
107.5°	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7	98.0	101.4	107.1
110°	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5	110.8	113.6	119.9



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3	123.7	125.9	132.2
115°	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8	142.2	144.4	150.6
117.5°	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6	159.7	161.9	168.2
120°	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7	170.9	173.6	179.9
122.5°	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5	182.0	184.2	190.5
125°	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2	196.6	200.1	206.3
127.5°	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8	208.9	213.4	221.3
130°	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0	216.2	221.7	230.8
132.5°	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6	222.3	229.0	239.2
135°	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7	231.5	239.9	251.0
137.5°	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1	242.2	250.0	261.2
140°	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8	248.9	257.3	268.4
142.5°	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6	256.2	263.9	275.1
145°	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4	267.7	274.7	284.5
147.5°	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6	279.5	285.4	294.5
150°	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9	287.2	292.1	301.2
152.5°	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6	294.5	298.8	306.7
155°	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0	304.0	308.2	315.1
157.5°	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2	313.1	316.4	322.4
160°	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3	318.6	321.5	326.3
162.5°	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3	323.7	326.5	330.7
165°	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9	330.5	332.6	336.1
167.5°	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9	336.2	337.4	339.4
170°	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3	339.6	340.3	341.6
172.5°	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5	341.3	341.9	343.3
175°	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1	343.8	344.5	345.1
177.5°	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3	345.3	345.3	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	477.1	475.2	473.8	470.5	468.6	466.2	464.2	466.4	464.0	465.0	463.5
5°	462.2	456.4	452.3	446.3	441.1	436.4	432.9	432.3	430.6	429.8	427.3
7.5°	444.3	437.0	430.0	422.1	415.5	408.8	404.6	401.0	398.7	395.6	393.4
10°	433.7	424.0	415.8	406.4	398.1	390.8	385.1	382.2	379.5	375.6	374.2
12.5°	420.7	410.7	400.6	390.5	382.5	374.5	369.6	365.2	363.4	359.0	358.6
15°	405.1	390.0	380.1	369.9	358.9	352.3	348.2	343.5	341.4	338.3	336.1
17.5°	386.5	373.0	360.7	350.0	340.6	335.1	329.9	326.7	323.2	321.1	317.4
20°	372.9	360.2	347.8	336.4	329.2	322.9	318.8	315.7	311.9	310.9	307.2
22.5°	361.6	347.5	335.6	326.1	318.3	311.0	306.6	304.4	301.9	298.7	298.0
25°	343.0	328.4	318.3	308.9	301.8	295.2	292.2	289.5	287.0	284.7	283.9
27.5°	327.1	314.0	302.0	293.5	287.3	281.3	278.7	275.4	273.6	271.7	269.5
30°	315.8	302.5	291.9	283.7	277.1	271.8	268.9	266.6	265.0	263.3	262.1
32.5°	304.3	291.9	281.8	273.7	267.1	263.1	260.5	258.9	257.1	255.1	253.5
35°	289.1	275.4	265.6	258.6	253.4	250.3	247.4	246.0	244.0	244.0	242.3
37.5°	271.9	260.1	251.4	245.0	240.4	237.6	234.5	233.5	232.2	231.3	230.8
40°	261.7	250.7	242.5	236.1	231.2	228.9	226.4	224.8	224.0	222.9	222.6
42.5°	251.1	240.7	232.8	226.9	222.6	220.7	218.4	217.2	215.5	214.2	213.9
45°	235.1	225.0	217.8	213.0	209.4	207.1	205.6	203.1	202.3	200.7	200.5
47.5°	219.9	210.2	203.1	199.2	196.0	194.1	191.9	189.4	188.4	187.6	187.5
50°	208.5	199.7	193.1	189.4	186.3	183.6	181.3	179.7	179.1	179.1	179.5
52.5°	197.0	189.4	183.9	179.3	176.4	173.5	171.4	170.4	169.5	170.5	171.2
55°	180.1	172.5	168.4	164.0	161.1	157.8	156.8	156.4	155.8	157.4	158.3
57.5°	162.2	156.9	152.0	147.8	145.2	143.2	141.9	141.6	142.8	143.6	146.2
60°	150.8	144.6	140.4	137.1	133.9	132.7	132.2	131.9	132.7	134.9	138.5
62.5°	138.3	133.3	128.6	126.2	123.9	121.8	121.7	122.0	123.6	126.3	129.7
65°	119.9	115.6	112.5	109.6	107.7	106.6	106.9	107.7	109.6	113.2	117.0
67.5°	101.2	98.3	95.5	93.2	91.4	91.4	91.8	93.1	95.2	99.2	102.8
70°	89.3	86.0	83.6	82.7	81.1	80.3	81.6	83.6	85.5	89.3	92.3
72.5°	77.2	74.4	72.6	71.9	71.2	70.6	71.1	73.3	75.8	79.5	83.1
75°	59.3	58.3	57.1	56.3	55.6	56.1	56.4	58.5	60.5	64.5	68.6
77.5°	43.3	42.3	41.5	41.3	40.9	41.2	42.4	43.9	45.8	48.7	51.8
80°	32.7	32.4	31.9	31.7	31.7	31.9	33.6	34.6	36.5	39.1	41.6
82.5°	23.9	23.6	23.5	23.5	23.6	23.7	24.7	26.0	27.6	29.6	31.7
85°	12.6	12.1	12.8	13.0	12.6	13.2	13.6	14.4	15.1	16.1	17.1
87.5°	5.3	5.9	5.8	6.2	6.4	7.0	7.0	7.8	8.3	8.7	8.8
90°	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6	13.3	13.9	15.3
92.5°	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6	89.7	67.5	57.2
95°	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3	395.3	309.6	251.0
97.5°	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6	672.3	588.7	507.3
100°	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6	823.4	751.6	679.1
102.5°	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9	916.1	881.5	832.5
105°	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9	968.5	999.2	991.5
107.5°	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2	921.8	1000.5	1036.9
110°	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3	868.7	967.1	1026.3



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5	816.3	915.7	985.6
115°	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1	741.2	836.7	912.7
117.5°	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0	689.1	771.4	841.2
120°	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9	659.6	736.3	797.6
122.5°	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9	638.4	706.7	764.2
125°	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0	610.1	670.7	720.9
127.5°	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7	583.0	639.6	686.6
130°	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7	564.1	618.4	663.8
132.5°	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7	546.2	595.6	639.2
135°	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6	518.7	563.4	603.1
137.5°	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3	494.2	531.3	565.0
140°	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9	479.7	511.8	541.0
142.5°	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7	467.4	495.0	520.4
145°	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2	451.8	473.4	492.2
147.5°	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2	438.8	455.4	469.7
150°	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3	431.6	444.8	457.4
152.5°	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6	424.4	436.5	446.2
155°	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3	413.5	423.2	430.9
157.5°	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0	403.1	410.6	416.7
160°	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3	395.3	402.3	407.2
162.5°	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2	388.6	394.5	398.8
165°	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7	378.6	382.8	386.3
167.5°	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6	368.8	372.0	374.5
170°	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1	363.3	365.3	366.8
172.5°	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1	358.2	359.8	360.6
175°	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7	350.7	352.1	352.1
177.5°	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0	347.5	347.5	347.5
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	462.5	463.7	462.7	464.0	462.7	463.7	462.5	463.5	465.0	464.0	466.4
5°	426.3	424.5	425.7	424.9	425.7	424.5	426.3	427.3	429.8	430.6	432.3
7.5°	392.9	391.1	389.1	388.1	389.1	391.1	392.9	393.4	395.6	398.7	401.0
10°	371.9	369.6	369.4	368.0	369.4	369.6	371.9	374.2	375.6	379.5	382.2
12.5°	356.6	354.5	352.1	351.5	352.1	354.5	356.6	358.6	359.0	363.4	365.2
15°	334.8	333.1	331.7	333.0	331.7	333.1	334.8	336.1	338.3	341.4	343.5
17.5°	316.7	315.4	315.1	313.6	315.1	315.4	316.7	317.4	321.1	323.2	326.7
20°	305.3	304.3	304.8	302.0	304.8	304.3	305.3	307.2	310.9	311.9	315.7
22.5°	296.3	294.3	294.0	293.5	294.0	294.3	296.3	298.0	298.7	301.9	304.4
25°	282.0	281.1	280.0	281.1	280.0	281.1	282.0	283.9	284.7	287.0	289.5
27.5°	269.7	268.4	268.1	268.3	268.1	268.4	269.7	269.5	271.7	273.6	275.4
30°	262.1	260.0	260.2	260.0	260.2	260.0	262.1	262.1	263.3	265.0	266.6
32.5°	253.9	252.4	252.2	251.8	252.2	252.4	253.9	253.5	255.1	257.1	258.9
35°	241.7	241.7	240.7	240.7	240.7	241.7	241.7	242.3	244.0	244.0	246.0
37.5°	230.2	230.1	229.4	229.5	229.4	230.1	230.2	230.8	231.3	232.2	233.5
40°	221.7	221.5	220.9	219.6	220.9	221.5	221.7	222.6	222.9	224.0	224.8
42.5°	213.5	212.8	212.5	212.0	212.5	212.8	213.5	213.9	214.2	215.5	217.2
45°	200.5	200.5	200.1	199.8	200.1	200.5	200.5	200.5	200.7	202.3	203.1
47.5°	187.9	188.2	189.0	188.9	189.0	188.2	187.9	187.5	187.6	188.4	189.4
50°	180.3	180.5	181.1	181.3	181.1	180.5	180.3	179.5	179.1	179.1	179.7
52.5°	171.9	173.1	173.9	173.7	173.9	173.1	171.9	171.2	170.5	169.5	170.4
55°	160.1	161.6	163.0	163.2	163.0	161.6	160.1	158.3	157.4	155.8	156.4
57.5°	148.5	150.4	151.9	152.5	151.9	150.4	148.5	146.2	143.6	142.8	141.6
60°	140.5	143.2	145.1	145.9	145.1	143.2	140.5	138.5	134.9	132.7	131.9
62.5°	133.0	136.0	137.8	137.9	137.8	136.0	133.0	129.7	126.3	123.6	122.0
65°	120.6	123.6	125.3	126.5	125.3	123.6	120.6	117.0	113.2	109.6	107.7
67.5°	107.2	110.3	112.1	113.1	112.1	110.3	107.2	102.8	99.2	95.2	93.1
70°	97.5	100.6	103.0	103.9	103.0	100.6	97.5	92.3	89.3	85.5	83.6
72.5°	87.9	90.7	92.6	93.6	92.6	90.7	87.9	83.1	79.5	75.8	73.3
75°	71.2	75.0	76.9	77.8	76.9	75.0	71.2	68.6	64.5	60.5	58.5
77.5°	54.9	58.3	59.5	60.0	59.5	58.3	54.9	51.8	48.7	45.8	43.9
80°	44.1	46.2	47.6	47.8	47.6	46.2	44.1	41.6	39.1	36.5	34.6
82.5°	33.9	35.6	36.0	36.6	36.0	35.6	33.9	31.7	29.6	27.6	26.0
85°	18.5	19.4	19.6	19.4	19.6	19.4	18.5	17.1	16.1	15.1	14.4
87.5°	9.2	9.0	9.2	9.5	9.2	9.0	9.2	8.8	8.7	8.3	7.8
90°	15.3	15.3	16.1	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6
92.5°	48.2	46.5	45.6	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6
95°	201.5	180.6	175.0	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3
97.5°	464.2	425.2	404.9	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6
100°	631.0	580.8	555.0	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6
102.5°	781.0	745.3	717.3	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9
105°	969.1	946.1	932.2	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9
107.5°	1048.2	1048.0	1043.5	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2
110°	1057.7	1070.9	1075.8	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1031.4	1054.2	1066.3	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5
115°	967.1	1000.5	1020.0	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1
117.5°	895.5	930.1	949.5	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0
120°	849.2	882.7	901.5	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9
122.5°	810.2	840.9	859.7	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9
125°	760.0	788.5	803.9	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0
127.5°	722.0	747.3	761.8	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7
130°	698.7	721.7	735.6	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7
132.5°	674.0	697.1	709.9	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7
135°	633.7	656.7	669.3	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6
137.5°	592.5	613.4	625.0	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3
140°	566.9	585.0	595.4	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9
142.5°	542.3	557.7	567.6	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7
145°	509.0	520.8	528.5	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2
147.5°	482.9	492.4	496.9	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2
150°	467.9	476.2	479.0	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3
152.5°	455.0	461.7	464.5	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6
155°	437.8	442.7	444.8	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3
157.5°	422.1	426.1	428.1	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0
160°	412.1	415.5	417.0	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3
162.5°	402.6	405.5	405.8	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2
165°	389.1	390.5	390.5	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7
167.5°	375.9	377.2	376.7	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6
170°	368.1	368.8	368.8	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1
172.5°	360.9	362.1	361.1	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1
175°	352.1	352.8	351.4	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7
177.5°	347.0	347.5	345.8	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	464.2	466.2	468.6	470.5	473.8	475.2	477.1	478.5	481.2	483.7	486.6
5°	432.9	436.4	441.1	446.3	452.3	456.4	462.2	465.7	472.7	479.0	485.3
7.5°	404.6	408.8	415.5	422.1	430.0	437.0	444.3	452.3	461.2	471.8	480.5
10°	385.1	390.8	398.1	406.4	415.8	424.0	433.7	442.4	453.3	465.7	477.2
12.5°	369.6	374.5	382.5	390.5	400.6	410.7	420.7	432.1	444.9	458.6	473.1
15°	348.2	352.3	358.9	369.9	380.1	390.0	405.1	415.8	431.9	447.1	464.7
17.5°	329.9	335.1	340.6	350.0	360.7	373.0	386.5	399.9	415.4	434.7	454.4
20°	318.8	322.9	329.2	336.4	347.8	360.2	372.9	386.6	405.5	425.5	446.7
22.5°	306.6	311.0	318.3	326.1	335.6	347.5	361.6	376.5	396.3	415.9	439.0
25°	292.2	295.2	301.8	308.9	318.3	328.4	343.0	359.5	379.2	401.6	425.1
27.5°	278.7	281.3	287.3	293.5	302.0	314.0	327.1	343.8	362.2	385.0	411.0
30°	268.9	271.8	277.1	283.7	291.9	302.5	315.8	331.5	351.3	373.5	400.7
32.5°	260.5	263.1	267.1	273.7	281.8	291.9	304.3	320.3	340.1	362.7	389.4
35°	247.4	250.3	253.4	258.6	265.6	275.4	289.1	304.2	323.1	344.9	369.4
37.5°	234.5	237.6	240.4	245.0	251.4	260.1	271.9	287.6	304.7	325.7	349.3
40°	226.4	228.9	231.2	236.1	242.5	250.7	261.7	275.7	293.8	313.4	333.0
42.5°	218.4	220.7	222.6	226.9	232.8	240.7	251.1	264.8	281.6	299.9	317.2
45°	205.6	207.1	209.4	213.0	217.8	225.0	235.1	247.3	261.4	278.7	291.8
47.5°	191.9	194.1	196.0	199.2	203.1	210.2	219.9	230.2	243.2	256.0	265.1
50°	181.3	183.6	186.3	189.4	193.1	199.7	208.5	219.0	230.0	239.9	247.6
52.5°	171.4	173.5	176.4	179.3	183.9	189.4	197.0	206.3	217.1	224.2	230.7
55°	156.8	157.8	161.1	164.0	168.4	172.5	180.1	188.3	194.9	200.3	205.6
57.5°	141.9	143.2	145.2	147.8	152.0	156.9	162.2	169.5	173.3	176.1	180.3
60°	132.2	132.7	133.9	137.1	140.4	144.6	150.8	156.0	158.9	161.1	164.6
62.5°	121.7	121.8	123.9	126.2	128.6	133.3	138.3	142.5	144.8	146.0	149.3
65°	106.9	106.6	107.7	109.6	112.5	115.6	119.9	123.6	123.4	124.7	126.7
67.5°	91.8	91.4	91.4	93.2	95.5	98.3	101.2	103.4	103.4	105.0	106.1
70°	81.6	80.3	81.1	82.7	83.6	86.0	89.3	90.1	90.2	91.0	92.1
72.5°	71.1	70.6	71.2	71.9	72.6	74.4	77.2	77.7	77.8	78.2	79.9
75°	56.4	56.1	55.6	56.3	57.1	58.3	59.3	60.2	59.9	60.2	61.4
77.5°	42.4	41.2	40.9	41.3	41.5	42.3	43.3	43.2	43.4	43.4	44.8
80°	33.6	31.9	31.7	31.7	31.9	32.4	32.7	33.2	32.5	33.2	33.6
82.5°	24.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.0	24.3	24.5
85°	13.6	13.2	12.6	13.0	12.8	12.1	12.6	11.9	11.8	11.9	12.1
87.5°	7.0	7.0	6.4	6.2	5.8	5.9	5.3	4.8	4.4	4.2	4.5
90°	11.9	11.1	9.7	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7
92.5°	182.0	224.8	228.4	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5
95°	604.5	617.8	504.1	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0
97.5°	764.8	659.7	450.1	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2
100°	803.9	629.6	401.6	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8
102.5°	780.5	576.6	364.8	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5
105°	705.6	505.5	329.1	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8
107.5°	629.2	456.6	314.1	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7
110°	585.7	433.6	309.6	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	553.3	420.3	309.6	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3
115°	518.0	405.8	311.7	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8
117.5°	497.0	398.7	316.3	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6
120°	485.3	395.3	320.7	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7
122.5°	475.2	392.5	324.6	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5
125°	461.5	389.1	331.2	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2
127.5°	449.0	387.4	338.6	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8
130°	440.7	386.3	343.0	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0
132.5°	434.0	386.3	348.0	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6
135°	426.0	386.3	354.9	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7
137.5°	418.9	387.1	361.1	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1
140°	415.5	387.6	363.9	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8
142.5°	412.8	388.3	365.6	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6
145°	408.6	387.6	367.5	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4
147.5°	404.2	385.8	368.1	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6
150°	400.9	384.1	368.1	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9
152.5°	397.0	381.9	367.6	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6
155°	390.5	377.9	366.0	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0
157.5°	384.3	373.7	364.3	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2
160°	379.3	371.0	362.6	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3
162.5°	374.8	367.6	360.9	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3
165°	368.1	362.6	358.4	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9
167.5°	361.6	357.7	354.5	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9
170°	357.7	354.9	352.8	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3
172.5°	353.7	351.5	350.5	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5
175°	348.6	347.9	347.9	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1
177.5°	346.3	345.8	345.8	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	488.1	490.4	491.9	494.6	497.0	498.3	499.4	500.4	501.6	502.6	505.4
5°	491.2	496.6	501.1	508.1	514.5	519.4	524.8	529.5	533.4	539.0	543.3
7.5°	489.8	499.4	509.3	520.2	531.3	541.5	551.1	559.9	567.9	577.7	586.2
10°	488.6	501.5	514.2	529.0	543.9	556.7	568.6	580.9	589.7	602.1	612.6
12.5°	487.6	502.8	518.3	535.8	552.3	570.4	586.3	595.2	608.7	618.6	631.1
15°	483.4	503.5	524.8	544.6	568.1	584.8	598.8	616.1	628.7	641.2	654.8
17.5°	475.9	498.8	522.5	548.5	571.0	588.9	607.0	623.7	638.6	655.5	672.4
20°	472.4	495.3	522.5	549.1	571.1	589.9	608.4	626.8	643.3	664.9	684.5
22.5°	465.2	492.8	517.9	543.9	566.5	586.9	608.0	628.7	650.7	675.1	699.6
25°	452.3	480.3	506.8	532.4	555.3	580.9	603.3	631.2	659.2	691.5	722.0
27.5°	438.8	465.7	490.0	514.7	541.4	570.3	599.4	631.0	667.7	708.6	751.5
30°	427.9	453.3	477.0	502.3	530.1	562.7	594.7	632.1	674.6	720.5	771.7
32.5°	415.3	438.6	461.6	488.5	518.8	553.1	590.4	631.5	682.5	734.7	787.3
35°	393.5	413.1	436.8	465.5	499.6	539.0	582.1	630.7	689.2	749.2	793.4
37.5°	367.8	386.0	411.0	442.4	478.2	520.5	571.6	629.3	691.4	739.2	753.5
40°	350.4	367.4	393.3	425.9	462.5	507.3	563.3	624.3	684.5	715.0	703.2
42.5°	332.0	349.7	375.1	407.2	446.7	495.4	552.9	613.9	664.4	675.9	635.3
45°	302.9	321.2	346.2	378.7	421.2	473.9	533.9	589.3	618.3	597.5	534.7
47.5°	275.8	293.0	316.1	349.7	393.5	448.1	505.8	550.0	552.3	502.7	435.5
50°	257.3	273.2	296.5	330.1	373.5	428.8	480.9	515.8	500.1	443.8	379.3
52.5°	239.2	254.8	277.7	310.9	353.9	404.6	453.1	477.5	448.0	390.2	335.2
55°	213.0	226.7	249.1	279.8	320.6	367.6	408.8	417.2	378.9	322.1	277.3
57.5°	187.5	200.2	220.6	248.9	286.2	327.8	360.1	358.2	317.7	268.9	233.4
60°	170.2	182.5	200.7	228.3	262.3	298.2	325.7	319.1	279.0	236.9	207.1
62.5°	154.7	165.8	182.9	207.1	238.1	271.3	293.9	284.2	244.9	208.1	184.5
65°	131.9	141.2	155.8	176.4	202.2	229.5	247.1	234.5	200.9	172.3	153.3
67.5°	110.0	117.5	129.7	146.2	168.2	190.2	200.8	188.2	161.3	140.4	126.4
70°	96.2	102.8	112.3	126.9	146.1	164.6	172.6	161.3	138.2	120.3	110.2
72.5°	82.4	87.8	96.1	109.3	124.7	140.7	147.8	137.0	118.0	102.8	93.5
75°	63.7	67.4	73.1	82.2	94.3	107.2	111.0	101.6	89.4	78.1	71.9
77.5°	45.6	48.7	53.1	58.8	67.4	75.5	78.9	73.5	64.1	56.9	51.8
80°	35.0	36.6	40.4	45.1	51.9	57.1	59.3	55.8	49.2	43.9	39.9
82.5°	25.0	26.7	28.8	32.7	37.1	40.6	43.0	40.7	35.9	31.7	29.4
85°	12.1	13.2	14.4	16.1	19.4	21.4	21.2	19.8	17.9	16.3	15.1
87.5°	4.5	5.0	5.8	6.9	7.7	8.5	9.1	8.9	8.5	8.1	7.8
90°	1.4	2.8	4.2	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6
92.5°	10.3	16.1	24.8	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6
95°	23.7	29.2	36.9	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3
97.5°	39.1	43.0	50.6	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6
100°	50.2	53.0	60.6	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6
102.5°	61.3	63.6	71.8	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9
105°	78.8	82.3	89.3	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9
107.5°	98.0	101.4	107.1	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2
110°	110.8	113.6	119.9	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3



TEST NUMBER: P333135-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.7	125.9	132.2	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5
115°	142.2	144.4	150.6	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1
117.5°	159.7	161.9	168.2	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0
120°	170.9	173.6	179.9	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9
122.5°	182.0	184.2	190.5	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9
125°	196.6	200.1	206.3	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0
127.5°	208.9	213.4	221.3	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7
130°	216.2	221.7	230.8	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7
132.5°	222.3	229.0	239.2	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7
135°	231.5	239.9	251.0	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6
137.5°	242.2	250.0	261.2	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3
140°	248.9	257.3	268.4	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9
142.5°	256.2	263.9	275.1	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7
145°	267.7	274.7	284.5	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2
147.5°	279.5	285.4	294.5	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2
150°	287.2	292.1	301.2	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3
152.5°	294.5	298.8	306.7	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6
155°	304.0	308.2	315.1	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3
157.5°	313.1	316.4	322.4	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0
160°	318.6	321.5	326.3	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3
162.5°	323.7	326.5	330.7	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2
165°	330.5	332.6	336.1	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7
167.5°	336.2	337.4	339.4	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6
170°	339.6	340.3	341.6	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1
172.5°	341.3	341.9	343.3	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1
175°	343.8	344.5	345.1	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7
177.5°	345.3	345.3	345.8	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	507.7	509.0	511.8	510.9	512.1	512.8	513.4
5°	548.7	555.3	558.2	557.8	562.1	561.1	560.0
7.5°	595.0	601.9	605.8	610.6	613.4	613.7	616.1
10°	621.3	630.3	634.0	639.2	642.5	644.4	644.1
12.5°	641.3	648.5	656.7	659.2	663.7	666.1	665.2
15°	665.6	676.9	685.5	689.8	695.4	697.1	699.3
17.5°	687.2	702.3	712.4	725.9	730.9	734.1	732.2
20°	703.5	723.4	733.5	749.6	758.5	763.2	761.5
22.5°	722.7	744.4	763.0	776.9	790.4	796.8	798.2
25°	755.8	785.4	812.9	831.2	847.8	851.8	860.4
27.5°	792.7	827.7	857.0	876.3	887.9	892.2	895.0
30°	815.9	850.8	872.8	885.2	888.9	888.5	888.1
32.5°	827.3	849.1	853.4	849.9	841.4	834.2	826.7
35°	811.2	795.0	770.6	739.3	716.2	692.9	690.6
37.5°	729.6	677.5	637.0	591.8	565.8	549.7	538.5
40°	652.7	593.6	544.6	506.5	479.9	469.4	459.1
42.5°	569.4	512.8	469.4	437.6	417.6	405.9	397.8
45°	462.5	412.7	378.7	355.6	339.7	330.7	325.6
47.5°	379.1	342.1	313.3	296.6	285.7	278.7	278.7
50°	334.2	299.0	279.8	266.6	257.2	251.6	252.6
52.5°	294.4	268.1	251.8	240.8	233.7	230.3	230.2
55°	246.2	227.3	216.6	208.5	203.8	199.8	200.7
57.5°	210.6	194.7	187.4	180.7	177.5	175.9	173.6
60°	188.5	176.2	170.0	164.6	161.3	160.1	157.8
62.5°	168.9	159.2	153.2	148.8	145.9	145.4	143.7
65°	142.0	134.6	129.2	127.2	124.0	123.2	123.2
67.5°	117.0	111.7	107.5	105.7	104.3	104.5	103.5
70°	101.4	97.0	94.3	92.3	91.3	91.5	90.7
72.5°	88.7	83.8	81.5	80.3	78.9	79.5	79.1
75°	67.1	64.7	63.5	62.2	61.4	61.0	60.5
77.5°	49.3	47.2	46.2	45.5	45.7	44.6	45.4
80°	38.1	36.3	35.7	34.6	34.4	34.4	34.2
82.5°	27.9	26.8	26.4	25.6	25.1	25.5	25.0
85°	14.4	13.6	13.4	13.4	13.0	12.6	13.6
87.5°	7.9	7.4	7.7	7.5	7.5	7.5	7.1
90°	13.3	13.9	15.3	15.3	15.3	16.1	16.1
92.5°	89.7	67.5	57.2	48.2	46.5	45.6	44.5
95°	395.3	309.6	251.0	201.5	180.6	175.0	163.8
97.5°	672.3	588.7	507.3	464.2	425.2	404.9	396.0
100°	823.4	751.6	679.1	631.0	580.8	555.0	543.9
102.5°	916.1	881.5	832.5	781.0	745.3	717.3	708.9
105°	968.5	999.2	991.5	969.1	946.1	932.2	923.8
107.5°	921.8	1000.5	1036.9	1048.2	1048.0	1043.5	1037.9
110°	868.7	967.1	1026.3	1057.7	1070.9	1075.8	1075.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	816.3	915.7	985.6	1031.4	1054.2	1066.3	1071.4
115°	741.2	836.7	912.7	967.1	1000.5	1020.0	1029.1
117.5°	689.1	771.4	841.2	895.5	930.1	949.5	955.0
120°	659.6	736.3	797.6	849.2	882.7	901.5	907.0
122.5°	638.4	706.7	764.2	810.2	840.9	859.7	864.7
125°	610.1	670.7	720.9	760.0	788.5	803.9	810.8
127.5°	583.0	639.6	686.6	722.0	747.3	761.8	764.8
130°	564.1	618.4	663.8	698.7	721.7	735.6	739.8
132.5°	546.2	595.6	639.2	674.0	697.1	709.9	714.6
135°	518.7	563.4	603.1	633.7	656.7	669.3	673.5
137.5°	494.2	531.3	565.0	592.5	613.4	625.0	629.6
140°	479.7	511.8	541.0	566.9	585.0	595.4	598.9
142.5°	467.4	495.0	520.4	542.3	557.7	567.6	570.4
145°	451.8	473.4	492.2	509.0	520.8	528.5	531.3
147.5°	438.8	455.4	469.7	482.9	492.4	496.9	498.1
150°	431.6	444.8	457.4	467.9	476.2	479.0	479.7
152.5°	424.4	436.5	446.2	455.0	461.7	464.5	465.2
155°	413.5	423.2	430.9	437.8	442.7	444.8	445.5
157.5°	403.1	410.6	416.7	422.1	426.1	428.1	427.9
160°	395.3	402.3	407.2	412.1	415.5	417.0	416.3
162.5°	388.6	394.5	398.8	402.6	405.5	405.8	405.6
165°	378.6	382.8	386.3	389.1	390.5	390.5	390.5
167.5°	368.8	372.0	374.5	375.9	377.2	376.7	376.5
170°	363.3	365.3	366.8	368.1	368.8	368.8	368.1
172.5°	358.2	359.8	360.6	360.9	362.1	361.1	360.3
175°	350.7	352.1	352.1	352.1	352.8	351.4	350.7
177.5°	347.5	347.5	347.5	347.0	347.5	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8

(END OF REPORT)