

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: P333134-830

Luminaire Tested: **S125DIP-S375D810U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333134-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D810U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4092.8 lumens
Efficiency: N/A
Efficacy: 131.2 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

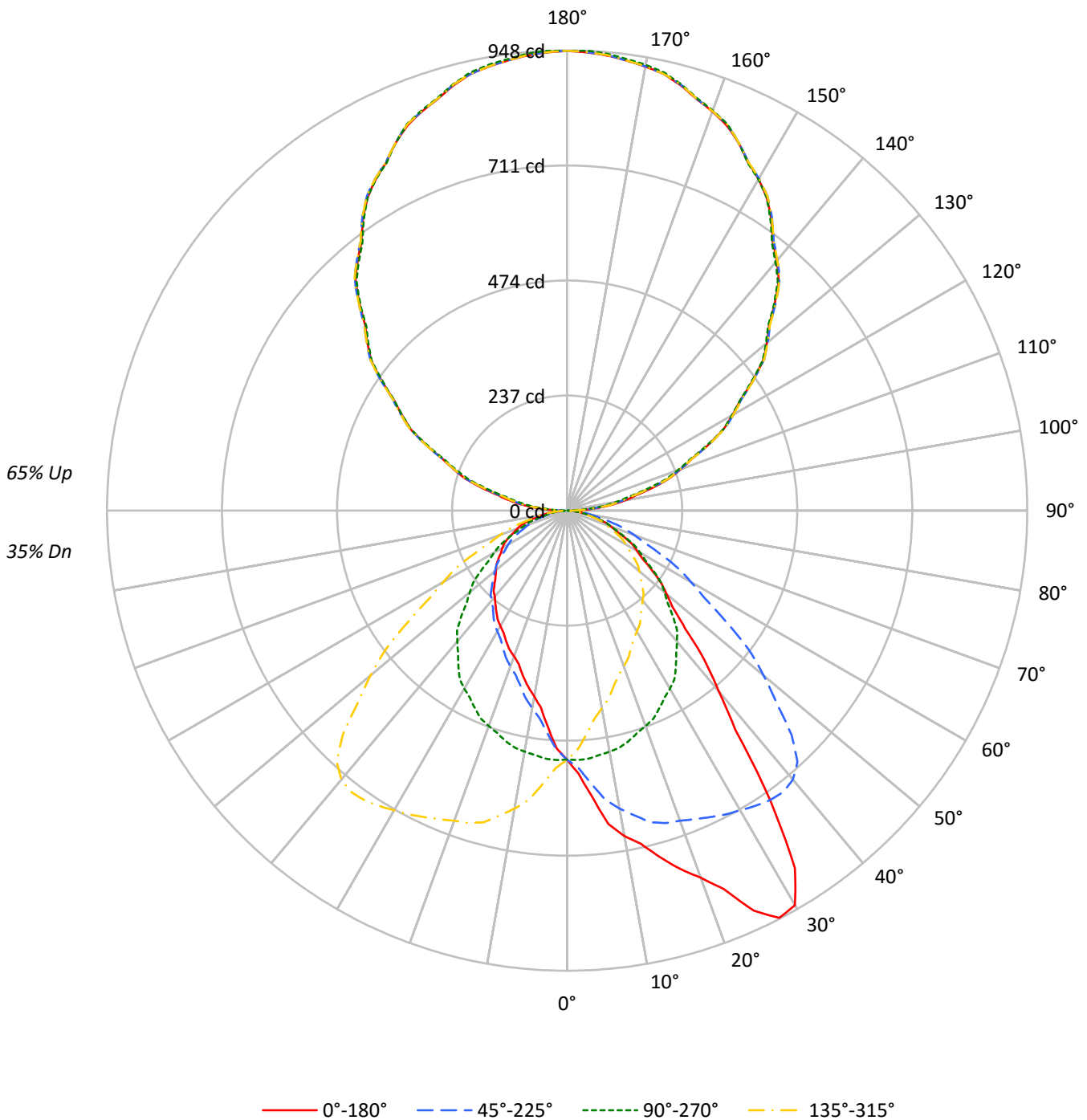
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	91	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	63	58	55	51	45	43	41	34	32	31	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	62	54	48	65	56	49	44	46	41	37	36	32	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	32	28	29	25	23	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	23	20	20	17	16	13
8	52	40	33	27	47	37	30	25	30	25	22	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	28	23	19	22	18	16	17	14	13	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3314	3314	3314	3314
5°	3837	3325	2912	3325
10°	4465	3308	2551	3308
15°	4942	3284	2353	3284
20°	5532	3245	2194	3245
25°	6481	3202	2117	3202
30°	7000	3159	2049	3159
35°	5755	3079	2006	3079
40°	4091	2967	1957	2967
45°	3143	2817	1929	2817
50°	2683	2629	1925	2629
55°	2389	2448	1942	2448
60°	2155	2248	1992	2248
65°	1991	2046	2043	2046
70°	1811	1839	2073	1839
75°	1597	1619	2054	1619
80°	1346	1320	1878	1320
85°	1067	948	1519	948



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.2
10°-20°	147.1	3.6
20°-30°	238.8	5.8
30°-40°	291.3	7.1
40°-50°	265.0	6.5
50°-60°	211.1	5.2
60°-70°	147.0	3.6
70°-80°	78.4	1.9
80°-90°	21.9	0.5
90°-100°	63.4	1.5
100°-110°	187.3	4.6
110°-120°	317.3	7.8
120°-130°	417.5	10.2
130°-140°	467.9	11.4
140°-150°	458.6	11.2
150°-160°	385.1	9.4
160°-170°	256.0	6.3
170°-180°	89.6	2.2
0°-30°	435.3	10.6
0°-40°	726.6	17.8
0°-60°	1202.7	29.4
0°-90°	1450.0	35.4
90°-120°	568.0	13.9
90°-150°	1912.0	46.7
90°-180°	2643.0	64.6
0°-180°	4092.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	513	513	513	513	513	
5°	592	513	449	513	592	60
15°	739	491	352	491	739	212
25°	910	449	297	449	910	415
35°	730	390	254	390	730	447
45°	344	308	211	308	344	275
55°	212	217	172	217	212	191
65°	130	134	134	134	130	129
75°	64	65	82	65	64	69
85°	14	13	20	13	14	17
90°	18	1	18	1	18	11
95°	63	48	63	48	63	65
105°	183	168	183	168	183	194
115°	321	318	321	318	321	317
125°	467	464	467	464	467	417
135°	605	603	605	603	605	467
145°	733	730	733	730	733	458
155°	836	836	836	836	836	385
165°	906	909	906	909	906	256
175°	941	945	941	945	941	89
180°	947	947	947	947	947	



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	542.7	542.1	541.3	540.0	541.0	538.0	536.7	534.2	531.2	530.2	529.0
5°	591.9	593.0	594.2	589.6	590.0	586.9	579.9	574.3	569.8	563.8	559.7
7.5°	651.2	648.7	648.4	645.5	640.4	636.2	629.0	619.6	610.6	600.3	591.8
10°	680.8	681.1	679.1	675.6	670.1	666.2	656.7	647.5	636.4	623.3	614.0
12.5°	703.1	704.1	701.5	696.8	694.2	685.4	677.9	667.0	653.8	643.4	629.1
15°	739.1	736.8	735.1	729.2	724.6	715.5	703.5	692.1	677.8	664.5	651.2
17.5°	773.9	775.9	772.6	767.2	753.0	742.3	726.3	710.8	692.9	675.0	659.2
20°	804.9	806.7	801.7	792.3	775.3	764.7	743.6	723.5	702.9	680.0	662.5
22.5°	843.7	842.3	835.5	821.2	806.5	786.8	763.9	739.5	713.6	687.8	664.6
25°	909.5	900.3	896.2	878.5	859.2	830.2	798.9	763.2	730.9	696.7	667.1
27.5°	946.0	943.1	938.5	926.2	905.9	874.9	837.9	794.4	748.9	705.8	666.9
30°	938.7	939.1	939.5	935.7	922.6	899.3	862.4	815.7	761.6	713.0	668.2
32.5°	873.8	881.7	889.4	898.3	902.0	897.5	874.5	832.2	776.6	721.4	667.5
35°	730.0	732.4	757.1	781.5	814.5	840.3	857.4	838.7	791.9	728.5	666.7
37.5°	569.2	581.0	598.0	625.6	673.4	716.1	771.2	796.4	781.4	730.8	665.2
40°	485.2	496.2	507.3	535.4	575.6	627.5	689.9	743.3	755.7	723.5	659.9
42.5°	420.5	429.0	441.4	462.5	496.2	542.1	601.8	671.6	714.4	702.3	648.9
45°	344.1	349.6	359.1	375.9	400.3	436.2	488.9	565.1	631.6	653.6	622.9
47.5°	294.5	294.5	302.0	313.5	331.1	361.7	400.7	460.3	531.3	583.8	581.4
50°	267.0	265.9	271.8	281.8	295.8	316.0	353.3	401.0	469.1	528.6	545.2
52.5°	243.3	243.5	247.0	254.5	266.2	283.4	311.2	354.3	412.5	473.5	504.7
55°	212.2	211.2	215.4	220.4	228.9	240.3	260.2	293.1	340.4	400.5	441.0
57.5°	183.5	186.0	187.6	191.1	198.1	205.8	222.6	246.8	284.3	335.8	378.6
60°	166.8	169.2	170.5	174.0	179.6	186.2	199.3	218.9	250.4	294.9	337.3
62.5°	151.8	153.7	154.2	157.3	161.9	168.2	178.5	195.0	220.0	258.8	300.4
65°	130.3	130.3	131.1	134.4	136.6	142.2	150.1	162.0	182.1	212.4	247.9
67.5°	109.4	110.5	110.3	111.7	113.7	118.1	123.7	133.6	148.5	170.5	199.0
70°	95.9	96.7	96.5	97.6	99.7	102.5	107.2	116.5	127.1	146.1	170.5
72.5°	83.6	84.0	83.4	84.8	86.1	88.6	93.8	98.8	108.7	124.7	144.8
75°	64.0	64.5	64.9	65.8	67.1	68.4	71.0	76.0	82.6	94.5	107.4
77.5°	48.0	47.1	48.3	48.1	48.8	49.9	52.1	54.8	60.1	67.8	77.7
80°	36.2	36.4	36.4	36.6	37.7	38.4	40.2	42.2	46.4	52.0	59.0
82.5°	26.4	27.0	26.6	27.1	27.9	28.4	29.5	31.1	33.5	38.0	43.0
85°	14.4	13.3	13.8	14.1	14.1	14.4	15.3	15.9	17.2	18.9	20.9
87.5°	7.7	8.0	8.0	7.9	8.0	7.9	8.4	8.3	8.6	9.0	9.4
90°	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.4	12.6	11.8	10.7
92.5°	34.8	34.4	34.0	33.7	33.4	32.6	31.6	30.4	29.4	28.3	26.9
95°	63.3	63.1	62.8	62.4	62.1	61.4	60.2	59.0	57.9	56.7	55.1
97.5°	96.1	96.0	95.7	95.5	95.3	94.7	93.6	92.6	91.4	90.4	88.1
100°	120.8	120.6	120.2	119.9	119.6	118.7	117.2	115.7	114.2	112.7	110.7
102.5°	145.6	145.2	144.7	144.3	143.8	142.8	141.2	139.6	138.0	136.4	135.3
105°	182.8	182.3	181.8	181.3	180.8	180.1	179.1	178.1	177.1	176.2	175.1
107.5°	220.8	220.8	220.8	220.9	220.9	220.7	220.2	219.7	219.2	218.8	218.0
110°	249.1	249.3	249.4	249.6	249.8	249.6	249.1	248.6	248.2	247.6	247.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	276.8	277.1	277.4	277.7	278.1	278.1	277.8	277.6	277.4	277.1	276.5
115°	320.7	320.7	320.9	321.1	321.2	321.4	321.6	321.8	321.9	322.1	321.8
117.5°	363.4	364.0	364.7	365.3	366.0	366.3	366.1	366.0	365.8	365.7	365.4
120°	392.9	393.5	394.2	394.8	395.5	395.8	395.8	395.8	395.8	395.8	395.6
122.5°	422.4	422.8	423.4	423.9	424.4	424.7	424.9	425.0	425.1	425.3	424.8
125°	466.6	466.7	466.8	467.0	467.2	467.4	467.8	468.1	468.4	468.7	468.5
127.5°	509.0	509.3	509.6	510.0	510.3	510.6	510.7	510.9	511.0	511.2	511.0
130°	537.2	537.6	537.9	538.3	538.6	538.9	539.0	539.1	539.3	539.5	539.1
132.5°	563.8	564.3	564.8	565.2	565.6	566.0	566.1	566.3	566.5	566.7	566.7
135°	605.1	605.8	606.4	607.1	607.8	608.0	608.0	608.0	608.0	608.0	607.8
137.5°	645.5	646.3	647.1	647.9	648.8	649.0	648.8	648.7	648.5	648.3	647.9
140°	671.5	672.2	673.1	673.9	674.7	675.0	674.6	674.3	674.0	673.6	673.2
142.5°	696.2	697.0	697.9	698.6	699.5	699.7	699.6	699.4	699.2	699.0	698.3
145°	733.3	733.9	734.3	734.8	735.3	735.6	735.6	735.6	735.6	735.6	735.1
147.5°	765.1	766.2	767.2	768.4	769.5	769.9	769.5	769.0	768.6	768.3	767.9
150°	788.6	788.9	789.3	789.6	789.9	790.1	790.1	790.1	790.1	790.1	789.5
152.5°	808.0	808.7	809.3	809.8	810.4	810.5	810.1	809.7	809.4	809.0	808.7
155°	835.8	836.6	837.4	838.2	839.1	839.1	838.5	837.8	837.2	836.5	836.3
157.5°	858.9	860.0	861.1	862.1	863.3	863.5	862.8	862.1	861.5	860.8	860.6
160°	874.9	875.6	876.5	877.3	878.2	878.2	877.5	876.9	876.3	875.6	875.4
162.5°	888.4	889.4	890.3	891.3	892.2	892.3	891.6	890.7	889.9	889.2	889.1
165°	906.5	907.5	908.5	909.5	910.5	910.6	910.0	909.4	908.7	908.0	907.9
167.5°	921.0	922.0	923.0	924.1	925.0	925.1	924.1	923.1	922.1	921.1	921.1
170°	928.7	929.8	930.9	932.1	933.2	933.3	932.4	931.3	930.4	929.3	929.3
172.5°	935.1	936.1	937.2	938.2	939.2	939.2	938.2	937.3	936.2	935.3	935.3
175°	941.2	942.4	943.5	944.6	945.7	945.8	944.9	943.9	942.9	941.9	941.9
177.5°	944.7	945.7	946.6	947.4	948.4	948.5	947.6	946.9	946.1	945.3	945.5
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	527.9	526.7	525.3	522.8	519.9	518.3	515.9	514.3	511.2	508.6	505.8
5°	554.7	549.0	543.8	537.1	529.7	524.9	519.2	512.9	506.3	499.6	492.2
7.5°	582.5	572.4	561.6	549.9	538.4	527.8	517.7	507.9	498.7	487.5	478.1
10°	601.1	588.4	575.0	559.1	543.6	530.1	516.4	504.4	492.2	479.2	467.6
12.5°	619.7	602.9	583.8	566.4	547.8	531.5	515.4	500.0	484.7	470.2	456.8
15°	632.9	618.1	600.5	575.6	554.7	532.3	511.0	491.2	472.6	456.5	439.5
17.5°	641.6	622.5	603.5	579.8	552.3	527.3	503.0	480.3	459.5	439.0	422.7
20°	643.1	623.5	603.7	580.4	552.3	523.6	499.4	472.2	449.8	428.6	408.6
22.5°	642.6	620.4	598.8	574.9	547.4	520.9	491.7	464.0	439.6	418.9	397.9
25°	637.7	614.0	586.9	562.8	535.7	507.7	478.1	449.3	424.5	400.8	380.0
27.5°	633.6	602.9	572.2	544.0	517.9	492.2	463.8	434.4	406.9	382.9	363.4
30°	628.6	594.7	560.3	530.9	504.2	479.2	452.3	423.6	394.8	371.4	350.4
32.5°	624.1	584.7	548.4	516.3	488.0	463.6	438.9	411.6	383.3	359.5	338.6
35°	615.3	569.8	528.1	492.0	461.8	436.7	415.9	390.5	364.6	341.5	321.5
37.5°	604.2	550.2	505.5	467.6	434.4	408.0	388.8	369.2	344.3	322.1	304.0
40°	595.4	536.2	488.9	450.2	415.8	388.3	370.4	351.9	331.3	310.6	291.4
42.5°	584.5	523.7	472.2	430.5	396.4	369.7	350.9	335.3	317.0	297.7	279.9
45°	564.3	501.0	445.2	400.3	365.9	339.5	320.2	308.4	294.6	276.4	261.4
47.5°	534.6	473.6	415.9	369.7	334.1	309.7	291.5	280.2	270.6	257.0	243.4
50°	508.3	453.3	394.8	348.9	313.4	288.8	272.0	261.7	253.5	243.1	231.5
52.5°	478.9	427.6	374.1	328.7	293.5	269.3	252.9	243.8	237.0	229.5	218.1
55°	432.1	388.5	338.8	295.8	263.3	239.6	225.2	217.4	211.7	206.0	199.1
57.5°	380.6	346.5	302.6	263.1	233.2	211.6	198.2	190.6	186.2	183.2	179.2
60°	344.3	315.2	277.3	241.3	212.2	192.9	179.9	174.0	170.3	168.0	164.9
62.5°	310.7	286.7	251.7	218.9	193.3	175.2	163.5	157.8	154.3	153.1	150.6
65°	261.2	242.6	213.7	186.4	164.7	149.2	139.4	133.9	131.8	130.4	130.6
67.5°	212.3	201.0	177.8	154.6	137.1	124.2	116.3	112.2	111.0	109.3	109.3
70°	182.5	174.0	154.4	134.1	118.7	108.7	101.7	97.4	96.2	95.4	95.2
72.5°	156.2	148.7	131.8	115.6	101.6	92.8	87.1	84.5	82.7	82.2	82.1
75°	117.3	113.3	99.7	86.9	77.3	71.3	67.3	64.9	63.6	63.3	63.6
77.5°	83.4	79.8	71.3	62.1	56.1	51.5	48.2	47.3	45.9	45.9	45.7
80°	62.7	60.3	54.9	47.7	42.7	38.7	37.0	35.5	35.1	34.4	35.1
82.5°	45.4	42.9	39.2	34.6	30.4	28.2	26.4	25.9	25.6	25.4	25.4
85°	22.4	22.6	20.5	17.0	15.3	13.9	12.8	12.8	12.6	12.4	12.6
87.5°	9.5	9.0	8.1	7.3	6.1	5.4	4.9	4.8	4.6	4.7	5.1
90°	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8	2.1	3.4	4.7
92.5°	25.4	24.0	22.6	21.5	20.5	19.7	18.8	17.8	18.8	19.7	20.5
95°	53.4	51.8	50.2	49.2	48.9	48.5	48.3	47.9	48.3	48.5	48.9
97.5°	85.9	83.6	81.3	80.1	80.0	79.8	79.7	79.6	79.7	79.8	80.0
100°	108.5	106.4	104.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2
102.5°	134.2	133.1	132.1	131.2	130.5	129.9	129.2	128.6	129.2	129.9	130.5
105°	174.2	173.2	172.2	171.4	170.5	169.7	168.9	168.1	168.9	169.7	170.5
107.5°	217.3	216.5	215.7	215.0	214.1	213.3	212.4	211.7	212.4	213.3	214.1
110°	246.7	246.2	245.7	245.1	244.2	243.4	242.6	241.8	242.6	243.4	244.2



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.9	275.2	274.7	274.1	273.7	273.2	272.9	272.4	272.9	273.2	273.7
115°	321.4	321.1	320.7	320.3	319.6	319.0	318.3	317.6	318.3	319.0	319.6
117.5°	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.1	363.4	363.6	363.9
120°	395.5	395.3	395.1	394.6	393.8	393.0	392.2	391.3	392.2	393.0	393.8
122.5°	424.4	424.0	423.6	423.2	422.9	422.6	422.4	422.0	422.4	422.6	422.9
125°	468.4	468.3	468.1	467.5	466.6	465.5	464.6	463.5	464.6	465.5	466.6
127.5°	510.8	510.6	510.4	510.0	509.4	508.9	508.4	507.8	508.4	508.9	509.4
130°	538.9	538.5	538.2	537.6	536.8	536.0	535.2	534.3	535.2	536.0	536.8
132.5°	566.8	566.8	566.8	566.3	564.9	563.5	562.2	560.9	562.2	563.5	564.9
135°	607.8	607.6	607.4	606.8	605.9	604.8	603.9	602.9	603.9	604.8	605.9
137.5°	647.5	647.2	646.9	646.2	645.3	644.3	643.4	642.4	643.4	644.3	645.3
140°	672.7	672.1	671.7	671.0	670.2	669.4	668.5	667.8	668.5	669.4	670.2
142.5°	697.8	697.1	696.5	695.9	695.1	694.5	693.8	693.1	693.8	694.5	695.1
145°	734.5	734.1	733.6	733.0	732.4	731.7	731.0	730.4	731.0	731.7	732.4
147.5°	767.5	767.1	766.7	766.3	766.0	765.6	765.3	764.9	765.3	765.6	766.0
150°	788.8	788.2	787.5	787.2	787.4	787.6	787.7	787.9	787.7	787.6	787.4
152.5°	808.4	808.1	807.9	807.7	807.5	807.2	807.0	806.7	807.0	807.2	807.5
155°	836.2	836.0	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8
157.5°	860.5	860.4	860.2	860.3	860.6	861.0	861.4	861.8	861.4	861.0	860.6
160°	875.2	875.1	875.0	875.1	875.6	876.1	876.6	877.0	876.6	876.1	875.6
162.5°	889.1	889.0	889.0	889.2	889.6	889.9	890.2	890.6	890.2	889.9	889.6
165°	907.7	907.5	907.4	907.5	907.8	908.1	908.4	908.8	908.4	908.1	907.8
167.5°	921.1	921.1	921.1	921.4	922.1	922.7	923.4	924.1	923.4	922.7	922.1
170°	929.3	929.3	929.3	929.7	930.4	931.0	931.7	932.4	931.7	931.0	930.4
172.5°	935.3	935.3	935.3	935.6	936.2	936.9	937.5	938.2	937.5	936.9	936.2
175°	941.9	941.9	941.9	942.3	942.9	943.6	944.2	944.9	944.2	943.6	942.9
177.5°	945.6	945.7	945.8	946.1	946.7	947.3	947.7	948.3	947.7	947.3	946.7
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	504.3	502.3	500.8	497.3	495.3	492.8	490.7	492.9	490.5	491.5	489.9
5°	488.5	482.4	478.1	471.7	466.3	461.3	457.6	456.9	455.2	454.3	451.7
7.5°	469.6	461.9	454.5	446.2	439.2	432.2	427.6	423.9	421.4	418.1	415.8
10°	458.5	448.2	439.5	429.5	420.8	413.1	407.1	404.0	401.1	397.0	395.5
12.5°	444.7	434.1	423.5	412.7	404.4	395.9	390.7	386.1	384.1	379.5	379.0
15°	428.2	412.3	401.8	391.0	379.4	372.4	368.1	363.1	360.9	357.6	355.2
17.5°	408.5	394.3	381.3	369.9	360.1	354.2	348.7	345.3	341.6	339.4	335.5
20°	394.2	380.7	367.6	355.6	348.0	341.3	337.0	333.7	329.7	328.7	324.7
22.5°	382.2	367.3	354.8	344.7	336.4	328.8	324.0	321.8	319.1	315.8	315.0
25°	362.6	347.1	336.5	326.5	319.1	312.1	308.9	306.0	303.4	301.0	300.1
27.5°	345.7	331.9	319.2	310.2	303.7	297.4	294.5	291.1	289.2	287.2	284.8
30°	333.8	319.7	308.6	299.9	292.9	287.3	284.2	281.8	280.1	278.3	277.0
32.5°	321.7	308.6	297.8	289.3	282.3	278.1	275.3	273.6	271.7	269.7	268.0
35°	305.6	291.2	280.7	273.3	267.9	264.6	261.6	260.0	257.9	257.9	256.1
37.5°	287.4	274.9	265.7	259.0	254.1	251.2	247.9	246.9	245.4	244.5	243.9
40°	276.6	265.0	256.4	249.6	244.4	242.0	239.3	237.6	236.8	235.6	235.3
42.5°	265.4	254.4	246.1	239.9	235.3	233.3	230.8	229.6	227.8	226.4	226.1
45°	248.5	237.8	230.2	225.2	221.3	218.9	217.4	214.7	213.9	212.2	211.9
47.5°	232.4	222.2	214.7	210.6	207.2	205.2	202.8	200.2	199.2	198.3	198.2
50°	220.4	211.0	204.1	200.2	196.9	194.1	191.6	189.9	189.3	189.3	189.7
52.5°	208.2	200.2	194.4	189.5	186.4	183.4	181.2	180.1	179.2	180.2	181.0
55°	190.4	182.3	178.0	173.3	170.3	166.8	165.7	165.3	164.7	166.4	167.3
57.5°	171.4	165.8	160.7	156.2	153.4	151.4	150.0	149.7	150.9	151.7	154.6
60°	159.4	152.9	148.4	144.9	141.6	140.3	139.8	139.4	140.3	142.6	146.4
62.5°	146.2	140.9	135.9	133.4	130.9	128.8	128.7	128.9	130.6	133.5	137.1
65°	126.8	122.2	118.9	115.8	113.9	112.6	113.0	113.9	115.8	119.6	123.7
67.5°	107.0	103.9	100.9	98.5	96.6	96.6	97.1	98.4	100.7	104.9	108.7
70°	94.3	90.9	88.4	87.4	85.8	84.9	86.2	88.4	90.4	94.3	97.6
72.5°	81.6	78.6	76.7	76.0	75.3	74.6	75.1	77.5	80.1	84.0	87.8
75°	62.7	61.6	60.3	59.5	58.8	59.3	59.7	61.8	64.0	68.1	72.5
77.5°	45.8	44.7	43.8	43.6	43.3	43.5	44.8	46.4	48.4	51.5	54.8
80°	34.6	34.2	33.7	33.6	33.6	33.7	35.5	36.6	38.5	41.4	44.0
82.5°	25.3	25.0	24.9	24.8	25.0	25.1	26.1	27.5	29.1	31.3	33.6
85°	13.3	12.8	13.5	13.8	13.3	13.9	14.4	15.3	15.9	17.0	18.1
87.5°	5.6	6.1	6.2	6.6	6.9	7.4	7.4	8.3	8.8	9.3	9.2
90°	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.4	14.2	15.1	15.7
92.5°	21.5	22.6	24.0	25.4	26.9	28.3	29.4	30.4	31.6	32.6	33.4
95°	49.2	50.2	51.8	53.4	55.1	56.7	57.9	59.0	60.2	61.4	62.1
97.5°	80.1	81.3	83.6	85.9	88.1	90.4	91.4	92.6	93.6	94.7	95.3
100°	103.2	104.2	106.4	108.5	110.7	112.7	114.2	115.7	117.2	118.7	119.6
102.5°	131.2	132.1	133.1	134.2	135.3	136.4	138.0	139.6	141.2	142.8	143.8
105°	171.4	172.2	173.2	174.2	175.1	176.2	177.1	178.1	179.1	180.1	180.8
107.5°	215.0	215.7	216.5	217.3	218.0	218.8	219.2	219.7	220.2	220.7	220.9
110°	245.1	245.7	246.2	246.7	247.1	247.6	248.2	248.6	249.1	249.6	249.8



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	274.1	274.7	275.2	275.9	276.5	277.1	277.4	277.6	277.8	278.1	278.1
115°	320.3	320.7	321.1	321.4	321.8	322.1	321.9	321.8	321.6	321.4	321.2
117.5°	364.2	364.6	364.9	365.1	365.4	365.7	365.8	366.0	366.1	366.3	366.0
120°	394.6	395.1	395.3	395.5	395.6	395.8	395.8	395.8	395.8	395.8	395.5
122.5°	423.2	423.6	424.0	424.4	424.8	425.3	425.1	425.0	424.9	424.7	424.4
125°	467.5	468.1	468.3	468.4	468.5	468.7	468.4	468.1	467.8	467.4	467.2
127.5°	510.0	510.4	510.6	510.8	511.0	511.2	511.0	510.9	510.7	510.6	510.3
130°	537.6	538.2	538.5	538.9	539.1	539.5	539.3	539.1	539.0	538.9	538.6
132.5°	566.3	566.8	566.8	566.8	566.7	566.7	566.5	566.3	566.1	566.0	565.6
135°	606.8	607.4	607.6	607.8	607.8	608.0	608.0	608.0	608.0	608.0	607.8
137.5°	646.2	646.9	647.2	647.5	647.9	648.3	648.5	648.7	648.8	649.0	648.8
140°	671.0	671.7	672.1	672.7	673.2	673.6	674.0	674.3	674.6	675.0	674.7
142.5°	695.9	696.5	697.1	697.8	698.3	699.0	699.2	699.4	699.6	699.7	699.5
145°	733.0	733.6	734.1	734.5	735.1	735.6	735.6	735.6	735.6	735.6	735.3
147.5°	766.3	766.7	767.1	767.5	767.9	768.3	768.6	769.0	769.5	769.9	769.5
150°	787.2	787.5	788.2	788.8	789.5	790.1	790.1	790.1	790.1	790.1	789.9
152.5°	807.7	807.9	808.1	808.4	808.7	809.0	809.4	809.7	810.1	810.5	810.4
155°	835.8	835.8	836.0	836.2	836.3	836.5	837.2	837.8	838.5	839.1	839.1
157.5°	860.3	860.2	860.4	860.5	860.6	860.8	861.5	862.1	862.8	863.5	863.3
160°	875.1	875.0	875.1	875.2	875.4	875.6	876.3	876.9	877.5	878.2	878.2
162.5°	889.2	889.0	889.0	889.1	889.1	889.2	889.9	890.7	891.6	892.3	892.2
165°	907.5	907.4	907.5	907.7	907.9	908.0	908.7	909.4	910.0	910.6	910.5
167.5°	921.4	921.1	921.1	921.1	921.1	921.1	922.1	923.1	924.1	925.1	925.0
170°	929.7	929.3	929.3	929.3	929.3	929.3	930.4	931.3	932.4	933.3	933.2
172.5°	935.6	935.3	935.3	935.3	935.3	935.3	936.2	937.3	938.2	939.2	939.2
175°	942.3	941.9	941.9	941.9	941.9	941.9	942.9	943.9	944.9	945.8	945.7
177.5°	946.1	945.8	945.7	945.6	945.5	945.3	946.1	946.9	947.6	948.5	948.4
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	488.9	490.1	489.1	490.5	489.1	490.1	488.9	489.9	491.5	490.5	492.9
5°	450.6	448.7	450.0	449.1	450.0	448.7	450.6	451.7	454.3	455.2	456.9
7.5°	415.3	413.4	411.2	410.2	411.2	413.4	415.3	415.8	418.1	421.4	423.9
10°	393.1	390.7	390.5	389.0	390.5	390.7	393.1	395.5	397.0	401.1	404.0
12.5°	376.9	374.7	372.2	371.6	372.2	374.7	376.9	379.0	379.5	384.1	386.1
15°	353.9	352.1	350.6	351.9	350.6	352.1	353.9	355.2	357.6	360.9	363.1
17.5°	334.8	333.4	333.1	331.5	333.1	333.4	334.8	335.5	339.4	341.6	345.3
20°	322.7	321.7	322.2	319.2	322.2	321.7	322.7	324.7	328.7	329.7	333.7
22.5°	313.2	311.0	310.8	310.2	310.8	311.0	313.2	315.0	315.8	319.1	321.8
25°	298.1	297.1	296.0	297.1	296.0	297.1	298.1	300.1	301.0	303.4	306.0
27.5°	285.0	283.7	283.4	283.6	283.4	283.7	285.0	284.8	287.2	289.2	291.1
30°	277.0	274.8	275.0	274.8	275.0	274.8	277.0	277.0	278.3	280.1	281.8
32.5°	268.3	266.8	266.6	266.2	266.6	266.8	268.3	268.0	269.7	271.7	273.6
35°	255.4	255.4	254.4	254.4	254.4	255.4	255.4	256.1	257.9	257.9	260.0
37.5°	243.4	243.2	242.5	242.6	242.5	243.2	243.4	243.9	244.5	245.4	246.9
40°	234.3	234.1	233.5	232.1	233.5	234.1	234.3	235.3	235.6	236.8	237.6
42.5°	225.6	224.9	224.6	224.1	224.6	224.9	225.6	226.1	226.4	227.8	229.6
45°	211.9	211.9	211.5	211.2	211.5	211.9	211.9	211.9	212.2	213.9	214.7
47.5°	198.6	199.0	199.8	199.6	199.8	199.0	198.6	198.2	198.3	199.2	200.2
50°	190.6	190.8	191.4	191.6	191.4	190.8	190.6	189.7	189.3	189.3	189.9
52.5°	181.7	182.9	183.8	183.6	183.8	182.9	181.7	181.0	180.2	179.2	180.1
55°	169.2	170.8	172.3	172.5	172.3	170.8	169.2	167.3	166.4	164.7	165.3
57.5°	156.9	159.0	160.6	161.2	160.6	159.0	156.9	154.6	151.7	150.9	149.7
60°	148.5	151.4	153.4	154.2	153.4	151.4	148.5	146.4	142.6	140.3	139.4
62.5°	140.5	143.7	145.6	145.8	145.6	143.7	140.5	137.1	133.5	130.6	128.9
65°	127.4	130.6	132.4	133.7	132.4	130.6	127.4	123.7	119.6	115.8	113.9
67.5°	113.3	116.6	118.5	119.5	118.5	116.6	113.3	108.7	104.9	100.7	98.4
70°	103.0	106.3	108.9	109.8	108.9	106.3	103.0	97.6	94.3	90.4	88.4
72.5°	92.9	95.9	97.9	99.0	97.9	95.9	92.9	87.8	84.0	80.1	77.5
75°	75.3	79.3	81.2	82.3	81.2	79.3	75.3	72.5	68.1	64.0	61.8
77.5°	58.1	61.6	62.9	63.4	62.9	61.6	58.1	54.8	51.5	48.4	46.4
80°	46.6	48.8	50.3	50.5	50.3	48.8	46.6	44.0	41.4	38.5	36.6
82.5°	35.8	37.6	38.1	38.6	38.1	37.6	35.8	33.6	31.3	29.1	27.5
85°	19.6	20.5	20.7	20.5	20.7	20.5	19.6	18.1	17.0	15.9	15.3
87.5°	9.7	9.6	9.7	10.2	9.7	9.6	9.7	9.2	9.3	8.8	8.3
90°	16.2	16.7	17.2	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.4
92.5°	33.7	34.0	34.4	34.8	34.4	34.0	33.7	33.4	32.6	31.6	30.4
95°	62.4	62.8	63.1	63.3	63.1	62.8	62.4	62.1	61.4	60.2	59.0
97.5°	95.5	95.7	96.0	96.1	96.0	95.7	95.5	95.3	94.7	93.6	92.6
100°	119.9	120.2	120.6	120.8	120.6	120.2	119.9	119.6	118.7	117.2	115.7
102.5°	144.3	144.7	145.2	145.6	145.2	144.7	144.3	143.8	142.8	141.2	139.6
105°	181.3	181.8	182.3	182.8	182.3	181.8	181.3	180.8	180.1	179.1	178.1
107.5°	220.9	220.8	220.8	220.8	220.8	220.8	220.9	220.9	220.7	220.2	219.7
110°	249.6	249.4	249.3	249.1	249.3	249.4	249.6	249.8	249.6	249.1	248.6



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	277.7	277.4	277.1	276.8	277.1	277.4	277.7	278.1	278.1	277.8	277.6
115°	321.1	320.9	320.7	320.7	320.7	320.9	321.1	321.2	321.4	321.6	321.8
117.5°	365.3	364.7	364.0	363.4	364.0	364.7	365.3	366.0	366.3	366.1	366.0
120°	394.8	394.2	393.5	392.9	393.5	394.2	394.8	395.5	395.8	395.8	395.8
122.5°	423.9	423.4	422.8	422.4	422.8	423.4	423.9	424.4	424.7	424.9	425.0
125°	467.0	466.8	466.7	466.6	466.7	466.8	467.0	467.2	467.4	467.8	468.1
127.5°	510.0	509.6	509.3	509.0	509.3	509.6	510.0	510.3	510.6	510.7	510.9
130°	538.3	537.9	537.6	537.2	537.6	537.9	538.3	538.6	538.9	539.0	539.1
132.5°	565.2	564.8	564.3	563.8	564.3	564.8	565.2	565.6	566.0	566.1	566.3
135°	607.1	606.4	605.8	605.1	605.8	606.4	607.1	607.8	608.0	608.0	608.0
137.5°	647.9	647.1	646.3	645.5	646.3	647.1	647.9	648.8	649.0	648.8	648.7
140°	673.9	673.1	672.2	671.5	672.2	673.1	673.9	674.7	675.0	674.6	674.3
142.5°	698.6	697.9	697.0	696.2	697.0	697.9	698.6	699.5	699.7	699.6	699.4
145°	734.8	734.3	733.9	733.3	733.9	734.3	734.8	735.3	735.6	735.6	735.6
147.5°	768.4	767.2	766.2	765.1	766.2	767.2	768.4	769.5	769.9	769.5	769.0
150°	789.6	789.3	788.9	788.6	788.9	789.3	789.6	789.9	790.1	790.1	790.1
152.5°	809.8	809.3	808.7	808.0	808.7	809.3	809.8	810.4	810.5	810.1	809.7
155°	838.2	837.4	836.6	835.8	836.6	837.4	838.2	839.1	839.1	838.5	837.8
157.5°	862.1	861.1	860.0	858.9	860.0	861.1	862.1	863.3	863.5	862.8	862.1
160°	877.3	876.5	875.6	874.9	875.6	876.5	877.3	878.2	878.2	877.5	876.9
162.5°	891.3	890.3	889.4	888.4	889.4	890.3	891.3	892.2	892.3	891.6	890.7
165°	909.5	908.5	907.5	906.5	907.5	908.5	909.5	910.5	910.6	910.0	909.4
167.5°	924.1	923.0	922.0	921.0	922.0	923.0	924.1	925.0	925.1	924.1	923.1
170°	932.1	930.9	929.8	928.7	929.8	930.9	932.1	933.2	933.3	932.4	931.3
172.5°	938.2	937.2	936.1	935.1	936.1	937.2	938.2	939.2	939.2	938.2	937.3
175°	944.6	943.5	942.4	941.2	942.4	943.5	944.6	945.7	945.8	944.9	943.9
177.5°	947.4	946.6	945.7	944.7	945.7	946.6	947.4	948.4	948.5	947.6	946.9
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	490.7	492.8	495.3	497.3	500.8	502.3	504.3	505.8	508.6	511.2	514.3
5°	457.6	461.3	466.3	471.7	478.1	482.4	488.5	492.2	499.6	506.3	512.9
7.5°	427.6	432.2	439.2	446.2	454.5	461.9	469.6	478.1	487.5	498.7	507.9
10°	407.1	413.1	420.8	429.5	439.5	448.2	458.5	467.6	479.2	492.2	504.4
12.5°	390.7	395.9	404.4	412.7	423.5	434.1	444.7	456.8	470.2	484.7	500.0
15°	368.1	372.4	379.4	391.0	401.8	412.3	428.2	439.5	456.5	472.6	491.2
17.5°	348.7	354.2	360.1	369.9	381.3	394.3	408.5	422.7	439.0	459.5	480.3
20°	337.0	341.3	348.0	355.6	367.6	380.7	394.2	408.6	428.6	449.8	472.2
22.5°	324.0	328.8	336.4	344.7	354.8	367.3	382.2	397.9	418.9	439.6	464.0
25°	308.9	312.1	319.1	326.5	336.5	347.1	362.6	380.0	400.8	424.5	449.3
27.5°	294.5	297.4	303.7	310.2	319.2	331.9	345.7	363.4	382.9	406.9	434.4
30°	284.2	287.3	292.9	299.9	308.6	319.7	333.8	350.4	371.4	394.8	423.6
32.5°	275.3	278.1	282.3	289.3	297.8	308.6	321.7	338.6	359.5	383.3	411.6
35°	261.6	264.6	267.9	273.3	280.7	291.2	305.6	321.5	341.5	364.6	390.5
37.5°	247.9	251.2	254.1	259.0	265.7	274.9	287.4	304.0	322.1	344.3	369.2
40°	239.3	242.0	244.4	249.6	256.4	265.0	276.6	291.4	310.6	331.3	351.9
42.5°	230.8	233.3	235.3	239.9	246.1	254.4	265.4	279.9	297.7	317.0	335.3
45°	217.4	218.9	221.3	225.2	230.2	237.8	248.5	261.4	276.4	294.6	308.4
47.5°	202.8	205.2	207.2	210.6	214.7	222.2	232.4	243.4	257.0	270.6	280.2
50°	191.6	194.1	196.9	200.2	204.1	211.0	220.4	231.5	243.1	253.5	261.7
52.5°	181.2	183.4	186.4	189.5	194.4	200.2	208.2	218.1	229.5	237.0	243.8
55°	165.7	166.8	170.3	173.3	178.0	182.3	190.4	199.1	206.0	211.7	217.4
57.5°	150.0	151.4	153.4	156.2	160.7	165.8	171.4	179.2	183.2	186.2	190.6
60°	139.8	140.3	141.6	144.9	148.4	152.9	159.4	164.9	168.0	170.3	174.0
62.5°	128.7	128.8	130.9	133.4	135.9	140.9	146.2	150.6	153.1	154.3	157.8
65°	113.0	112.6	113.9	115.8	118.9	122.2	126.8	130.6	130.4	131.8	133.9
67.5°	97.1	96.6	96.6	98.5	100.9	103.9	107.0	109.3	109.3	111.0	112.2
70°	86.2	84.9	85.8	87.4	88.4	90.9	94.3	95.2	95.4	96.2	97.4
72.5°	75.1	74.6	75.3	76.0	76.7	78.6	81.6	82.1	82.2	82.7	84.5
75°	59.7	59.3	58.8	59.5	60.3	61.6	62.7	63.6	63.3	63.6	64.9
77.5°	44.8	43.5	43.3	43.6	43.8	44.7	45.8	45.7	45.9	45.9	47.3
80°	35.5	33.7	33.6	33.6	33.7	34.2	34.6	35.1	34.4	35.1	35.5
82.5°	26.1	25.1	25.0	24.8	24.9	25.0	25.3	25.4	25.4	25.6	25.9
85°	14.4	13.9	13.3	13.8	13.5	12.8	13.3	12.6	12.4	12.6	12.8
87.5°	7.4	7.4	6.9	6.6	6.2	6.1	5.6	5.1	4.7	4.6	4.8
90°	12.6	11.8	10.7	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8
92.5°	29.4	28.3	26.9	25.4	24.0	22.6	21.5	20.5	19.7	18.8	17.8
95°	57.9	56.7	55.1	53.4	51.8	50.2	49.2	48.9	48.5	48.3	47.9
97.5°	91.4	90.4	88.1	85.9	83.6	81.3	80.1	80.0	79.8	79.7	79.6
100°	114.2	112.7	110.7	108.5	106.4	104.2	103.2	103.2	103.2	103.2	103.2
102.5°	138.0	136.4	135.3	134.2	133.1	132.1	131.2	130.5	129.9	129.2	128.6
105°	177.1	176.2	175.1	174.2	173.2	172.2	171.4	170.5	169.7	168.9	168.1
107.5°	219.2	218.8	218.0	217.3	216.5	215.7	215.0	214.1	213.3	212.4	211.7
110°	248.2	247.6	247.1	246.7	246.2	245.7	245.1	244.2	243.4	242.6	241.8



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	277.4	277.1	276.5	275.9	275.2	274.7	274.1	273.7	273.2	272.9	272.4
115°	321.9	322.1	321.8	321.4	321.1	320.7	320.3	319.6	319.0	318.3	317.6
117.5°	365.8	365.7	365.4	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.1
120°	395.8	395.8	395.6	395.5	395.3	395.1	394.6	393.8	393.0	392.2	391.3
122.5°	425.1	425.3	424.8	424.4	424.0	423.6	423.2	422.9	422.6	422.4	422.0
125°	468.4	468.7	468.5	468.4	468.3	468.1	467.5	466.6	465.5	464.6	463.5
127.5°	511.0	511.2	511.0	510.8	510.6	510.4	510.0	509.4	508.9	508.4	507.8
130°	539.3	539.5	539.1	538.9	538.5	538.2	537.6	536.8	536.0	535.2	534.3
132.5°	566.5	566.7	566.7	566.8	566.8	566.8	566.3	564.9	563.5	562.2	560.9
135°	608.0	608.0	607.8	607.8	607.6	607.4	606.8	605.9	604.8	603.9	602.9
137.5°	648.5	648.3	647.9	647.5	647.2	646.9	646.2	645.3	644.3	643.4	642.4
140°	674.0	673.6	673.2	672.7	672.1	671.7	671.0	670.2	669.4	668.5	667.8
142.5°	699.2	699.0	698.3	697.8	697.1	696.5	695.9	695.1	694.5	693.8	693.1
145°	735.6	735.6	735.1	734.5	734.1	733.6	733.0	732.4	731.7	731.0	730.4
147.5°	768.6	768.3	767.9	767.5	767.1	766.7	766.3	766.0	765.6	765.3	764.9
150°	790.1	790.1	789.5	788.8	788.2	787.5	787.2	787.4	787.6	787.7	787.9
152.5°	809.4	809.0	808.7	808.4	808.1	807.9	807.7	807.5	807.2	807.0	806.7
155°	837.2	836.5	836.3	836.2	836.0	835.8	835.8	835.8	835.8	835.8	835.8
157.5°	861.5	860.8	860.6	860.5	860.4	860.2	860.3	860.6	861.0	861.4	861.8
160°	876.3	875.6	875.4	875.2	875.1	875.0	875.1	875.6	876.1	876.6	877.0
162.5°	889.9	889.2	889.1	889.1	889.0	889.0	889.2	889.6	889.9	890.2	890.6
165°	908.7	908.0	907.9	907.7	907.5	907.4	907.5	907.8	908.1	908.4	908.8
167.5°	922.1	921.1	921.1	921.1	921.1	921.1	921.4	922.1	922.7	923.4	924.1
170°	930.4	929.3	929.3	929.3	929.3	929.3	929.7	930.4	931.0	931.7	932.4
172.5°	936.2	935.3	935.3	935.3	935.3	935.3	935.6	936.2	936.9	937.5	938.2
175°	942.9	941.9	941.9	941.9	941.9	941.9	942.3	942.9	943.6	944.2	944.9
177.5°	946.1	945.3	945.5	945.6	945.7	945.8	946.1	946.7	947.3	947.7	948.3
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	515.9	518.3	519.9	522.8	525.3	526.7	527.9	529.0	530.2	531.2	534.2
5°	519.2	524.9	529.7	537.1	543.8	549.0	554.7	559.7	563.8	569.8	574.3
7.5°	517.7	527.8	538.4	549.9	561.6	572.4	582.5	591.8	600.3	610.6	619.6
10°	516.4	530.1	543.6	559.1	575.0	588.4	601.1	614.0	623.3	636.4	647.5
12.5°	515.4	531.5	547.8	566.4	583.8	602.9	619.7	629.1	643.4	653.8	667.0
15°	511.0	532.3	554.7	575.6	600.5	618.1	632.9	651.2	664.5	677.8	692.1
17.5°	503.0	527.3	552.3	579.8	603.5	622.5	641.6	659.2	675.0	692.9	710.8
20°	499.4	523.6	552.3	580.4	603.7	623.5	643.1	662.5	680.0	702.9	723.5
22.5°	491.7	520.9	547.4	574.9	598.8	620.4	642.6	664.6	687.8	713.6	739.5
25°	478.1	507.7	535.7	562.8	586.9	614.0	637.7	667.1	696.7	730.9	763.2
27.5°	463.8	492.2	517.9	544.0	572.2	602.9	633.6	666.9	705.8	748.9	794.4
30°	452.3	479.2	504.2	530.9	560.3	594.7	628.6	668.2	713.0	761.6	815.7
32.5°	438.9	463.6	488.0	516.3	548.4	584.7	624.1	667.5	721.4	776.6	832.2
35°	415.9	436.7	461.8	492.0	528.1	569.8	615.3	666.7	728.5	791.9	838.7
37.5°	388.8	408.0	434.4	467.6	505.5	550.2	604.2	665.2	730.8	781.4	796.4
40°	370.4	388.3	415.8	450.2	488.9	536.2	595.4	659.9	723.5	755.7	743.3
42.5°	350.9	369.7	396.4	430.5	472.2	523.7	584.5	648.9	702.3	714.4	671.6
45°	320.2	339.5	365.9	400.3	445.2	501.0	564.3	622.9	653.6	631.6	565.1
47.5°	291.5	309.7	334.1	369.7	415.9	473.6	534.6	581.4	583.8	531.3	460.3
50°	272.0	288.8	313.4	348.9	394.8	453.3	508.3	545.2	528.6	469.1	401.0
52.5°	252.9	269.3	293.5	328.7	374.1	427.6	478.9	504.7	473.5	412.5	354.3
55°	225.2	239.6	263.3	295.8	338.8	388.5	432.1	441.0	400.5	340.4	293.1
57.5°	198.2	211.6	233.2	263.1	302.6	346.5	380.6	378.6	335.8	284.3	246.8
60°	179.9	192.9	212.2	241.3	277.3	315.2	344.3	337.3	294.9	250.4	218.9
62.5°	163.5	175.2	193.3	218.9	251.7	286.7	310.7	300.4	258.8	220.0	195.0
65°	139.4	149.2	164.7	186.4	213.7	242.6	261.2	247.9	212.4	182.1	162.0
67.5°	116.3	124.2	137.1	154.6	177.8	201.0	212.3	199.0	170.5	148.5	133.6
70°	101.7	108.7	118.7	134.1	154.4	174.0	182.5	170.5	146.1	127.1	116.5
72.5°	87.1	92.8	101.6	115.6	131.8	148.7	156.2	144.8	124.7	108.7	98.8
75°	67.3	71.3	77.3	86.9	99.7	113.3	117.3	107.4	94.5	82.6	76.0
77.5°	48.2	51.5	56.1	62.1	71.3	79.8	83.4	77.7	67.8	60.1	54.8
80°	37.0	38.7	42.7	47.7	54.9	60.3	62.7	59.0	52.0	46.4	42.2
82.5°	26.4	28.2	30.4	34.6	39.2	42.9	45.4	43.0	38.0	33.5	31.1
85°	12.8	13.9	15.3	17.0	20.5	22.6	22.4	20.9	18.9	17.2	15.9
87.5°	4.9	5.4	6.1	7.3	8.1	9.0	9.5	9.4	9.0	8.6	8.3
90°	2.1	3.4	4.7	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.4
92.5°	18.8	19.7	20.5	21.5	22.6	24.0	25.4	26.9	28.3	29.4	30.4
95°	48.3	48.5	48.9	49.2	50.2	51.8	53.4	55.1	56.7	57.9	59.0
97.5°	79.7	79.8	80.0	80.1	81.3	83.6	85.9	88.1	90.4	91.4	92.6
100°	103.2	103.2	103.2	103.2	104.2	106.4	108.5	110.7	112.7	114.2	115.7
102.5°	129.2	129.9	130.5	131.2	132.1	133.1	134.2	135.3	136.4	138.0	139.6
105°	168.9	169.7	170.5	171.4	172.2	173.2	174.2	175.1	176.2	177.1	178.1
107.5°	212.4	213.3	214.1	215.0	215.7	216.5	217.3	218.0	218.8	219.2	219.7
110°	242.6	243.4	244.2	245.1	245.7	246.2	246.7	247.1	247.6	248.2	248.6



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.9	273.2	273.7	274.1	274.7	275.2	275.9	276.5	277.1	277.4	277.6
115°	318.3	319.0	319.6	320.3	320.7	321.1	321.4	321.8	322.1	321.9	321.8
117.5°	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.4	365.7	365.8	366.0
120°	392.2	393.0	393.8	394.6	395.1	395.3	395.5	395.6	395.8	395.8	395.8
122.5°	422.4	422.6	422.9	423.2	423.6	424.0	424.4	424.8	425.3	425.1	425.0
125°	464.6	465.5	466.6	467.5	468.1	468.3	468.4	468.5	468.7	468.4	468.1
127.5°	508.4	508.9	509.4	510.0	510.4	510.6	510.8	511.0	511.2	511.0	510.9
130°	535.2	536.0	536.8	537.6	538.2	538.5	538.9	539.1	539.5	539.3	539.1
132.5°	562.2	563.5	564.9	566.3	566.8	566.8	566.8	566.7	566.7	566.5	566.3
135°	603.9	604.8	605.9	606.8	607.4	607.6	607.8	607.8	608.0	608.0	608.0
137.5°	643.4	644.3	645.3	646.2	646.9	647.2	647.5	647.9	648.3	648.5	648.7
140°	668.5	669.4	670.2	671.0	671.7	672.1	672.7	673.2	673.6	674.0	674.3
142.5°	693.8	694.5	695.1	695.9	696.5	697.1	697.8	698.3	699.0	699.2	699.4
145°	731.0	731.7	732.4	733.0	733.6	734.1	734.5	735.1	735.6	735.6	735.6
147.5°	765.3	765.6	766.0	766.3	766.7	767.1	767.5	767.9	768.3	768.6	769.0
150°	787.7	787.6	787.4	787.2	787.5	788.2	788.8	789.5	790.1	790.1	790.1
152.5°	807.0	807.2	807.5	807.7	807.9	808.1	808.4	808.7	809.0	809.4	809.7
155°	835.8	835.8	835.8	835.8	835.8	836.0	836.2	836.3	836.5	837.2	837.8
157.5°	861.4	861.0	860.6	860.3	860.2	860.4	860.5	860.6	860.8	861.5	862.1
160°	876.6	876.1	875.6	875.1	875.0	875.1	875.2	875.4	875.6	876.3	876.9
162.5°	890.2	889.9	889.6	889.2	889.0	889.0	889.1	889.1	889.2	889.9	890.7
165°	908.4	908.1	907.8	907.5	907.4	907.5	907.7	907.9	908.0	908.7	909.4
167.5°	923.4	922.7	922.1	921.4	921.1	921.1	921.1	921.1	921.1	922.1	923.1
170°	931.7	931.0	930.4	929.7	929.3	929.3	929.3	929.3	929.3	930.4	931.3
172.5°	937.5	936.9	936.2	935.6	935.3	935.3	935.3	935.3	935.3	936.2	937.3
175°	944.2	943.6	942.9	942.3	941.9	941.9	941.9	941.9	941.9	942.9	943.9
177.5°	947.7	947.3	946.7	946.1	945.8	945.7	945.6	945.5	945.3	946.1	946.9
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	536.7	538.0	541.0	540.0	541.3	542.1	542.7
5°	579.9	586.9	590.0	589.6	594.2	593.0	591.9
7.5°	629.0	636.2	640.4	645.5	648.4	648.7	651.2
10°	656.7	666.2	670.1	675.6	679.1	681.1	680.8
12.5°	677.9	685.4	694.2	696.8	701.5	704.1	703.1
15°	703.5	715.5	724.6	729.2	735.1	736.8	739.1
17.5°	726.3	742.3	753.0	767.2	772.6	775.9	773.9
20°	743.6	764.7	775.3	792.3	801.7	806.7	804.9
22.5°	763.9	786.8	806.5	821.2	835.5	842.3	843.7
25°	798.9	830.2	859.2	878.5	896.2	900.3	909.5
27.5°	837.9	874.9	905.9	926.2	938.5	943.1	946.0
30°	862.4	899.3	922.6	935.7	939.5	939.1	938.7
32.5°	874.5	897.5	902.0	898.3	889.4	881.7	873.8
35°	857.4	840.3	814.5	781.5	757.1	732.4	730.0
37.5°	771.2	716.1	673.4	625.6	598.0	581.0	569.2
40°	689.9	627.5	575.6	535.4	507.3	496.2	485.2
42.5°	601.8	542.1	496.2	462.5	441.4	429.0	420.5
45°	488.9	436.2	400.3	375.9	359.1	349.6	344.1
47.5°	400.7	361.7	331.1	313.5	302.0	294.5	294.5
50°	353.3	316.0	295.8	281.8	271.8	265.9	267.0
52.5°	311.2	283.4	266.2	254.5	247.0	243.5	243.3
55°	260.2	240.3	228.9	220.4	215.4	211.2	212.2
57.5°	222.6	205.8	198.1	191.1	187.6	186.0	183.5
60°	199.3	186.2	179.6	174.0	170.5	169.2	166.8
62.5°	178.5	168.2	161.9	157.3	154.2	153.7	151.8
65°	150.1	142.2	136.6	134.4	131.1	130.3	130.3
67.5°	123.7	118.1	113.7	111.7	110.3	110.5	109.4
70°	107.2	102.5	99.7	97.6	96.5	96.7	95.9
72.5°	93.8	88.6	86.1	84.8	83.4	84.0	83.6
75°	71.0	68.4	67.1	65.8	64.9	64.5	64.0
77.5°	52.1	49.9	48.8	48.1	48.3	47.1	48.0
80°	40.2	38.4	37.7	36.6	36.4	36.4	36.2
82.5°	29.5	28.4	27.9	27.1	26.6	27.0	26.4
85°	15.3	14.4	14.1	14.1	13.8	13.3	14.4
87.5°	8.4	7.9	8.0	7.9	8.0	8.0	7.7
90°	14.2	15.1	15.7	16.2	16.7	17.2	17.7
92.5°	31.6	32.6	33.4	33.7	34.0	34.4	34.8
95°	60.2	61.4	62.1	62.4	62.8	63.1	63.3
97.5°	93.6	94.7	95.3	95.5	95.7	96.0	96.1
100°	117.2	118.7	119.6	119.9	120.2	120.6	120.8
102.5°	141.2	142.8	143.8	144.3	144.7	145.2	145.6
105°	179.1	180.1	180.8	181.3	181.8	182.3	182.8
107.5°	220.2	220.7	220.9	220.9	220.8	220.8	220.8
110°	249.1	249.6	249.8	249.6	249.4	249.3	249.1



TEST NUMBER: P333134-830

CATALOG NUMBER: S125DIP-S375D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	277.8	278.1	278.1	277.7	277.4	277.1	276.8
115°	321.6	321.4	321.2	321.1	320.9	320.7	320.7
117.5°	366.1	366.3	366.0	365.3	364.7	364.0	363.4
120°	395.8	395.8	395.5	394.8	394.2	393.5	392.9
122.5°	424.9	424.7	424.4	423.9	423.4	422.8	422.4
125°	467.8	467.4	467.2	467.0	466.8	466.7	466.6
127.5°	510.7	510.6	510.3	510.0	509.6	509.3	509.0
130°	539.0	538.9	538.6	538.3	537.9	537.6	537.2
132.5°	566.1	566.0	565.6	565.2	564.8	564.3	563.8
135°	608.0	608.0	607.8	607.1	606.4	605.8	605.1
137.5°	648.8	649.0	648.8	647.9	647.1	646.3	645.5
140°	674.6	675.0	674.7	673.9	673.1	672.2	671.5
142.5°	699.6	699.7	699.5	698.6	697.9	697.0	696.2
145°	735.6	735.6	735.3	734.8	734.3	733.9	733.3
147.5°	769.5	769.9	769.5	768.4	767.2	766.2	765.1
150°	790.1	790.1	789.9	789.6	789.3	788.9	788.6
152.5°	810.1	810.5	810.4	809.8	809.3	808.7	808.0
155°	838.5	839.1	839.1	838.2	837.4	836.6	835.8
157.5°	862.8	863.5	863.3	862.1	861.1	860.0	858.9
160°	877.5	878.2	878.2	877.3	876.5	875.6	874.9
162.5°	891.6	892.3	892.2	891.3	890.3	889.4	888.4
165°	910.0	910.6	910.5	909.5	908.5	907.5	906.5
167.5°	924.1	925.1	925.0	924.1	923.0	922.0	921.0
170°	932.4	933.3	933.2	932.1	930.9	929.8	928.7
172.5°	938.2	939.2	939.2	938.2	937.2	936.1	935.1
175°	944.9	945.8	945.7	944.6	943.5	942.4	941.2
177.5°	947.6	948.5	948.4	947.4	946.6	945.7	944.7
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1

(END OF REPORT)