

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: P333126-830

Luminaire Tested: **S125DIP-S375D590U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333126-830
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-S375D590U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3449.2 lumens
Efficiency: N/A
Efficacy: 134.7 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

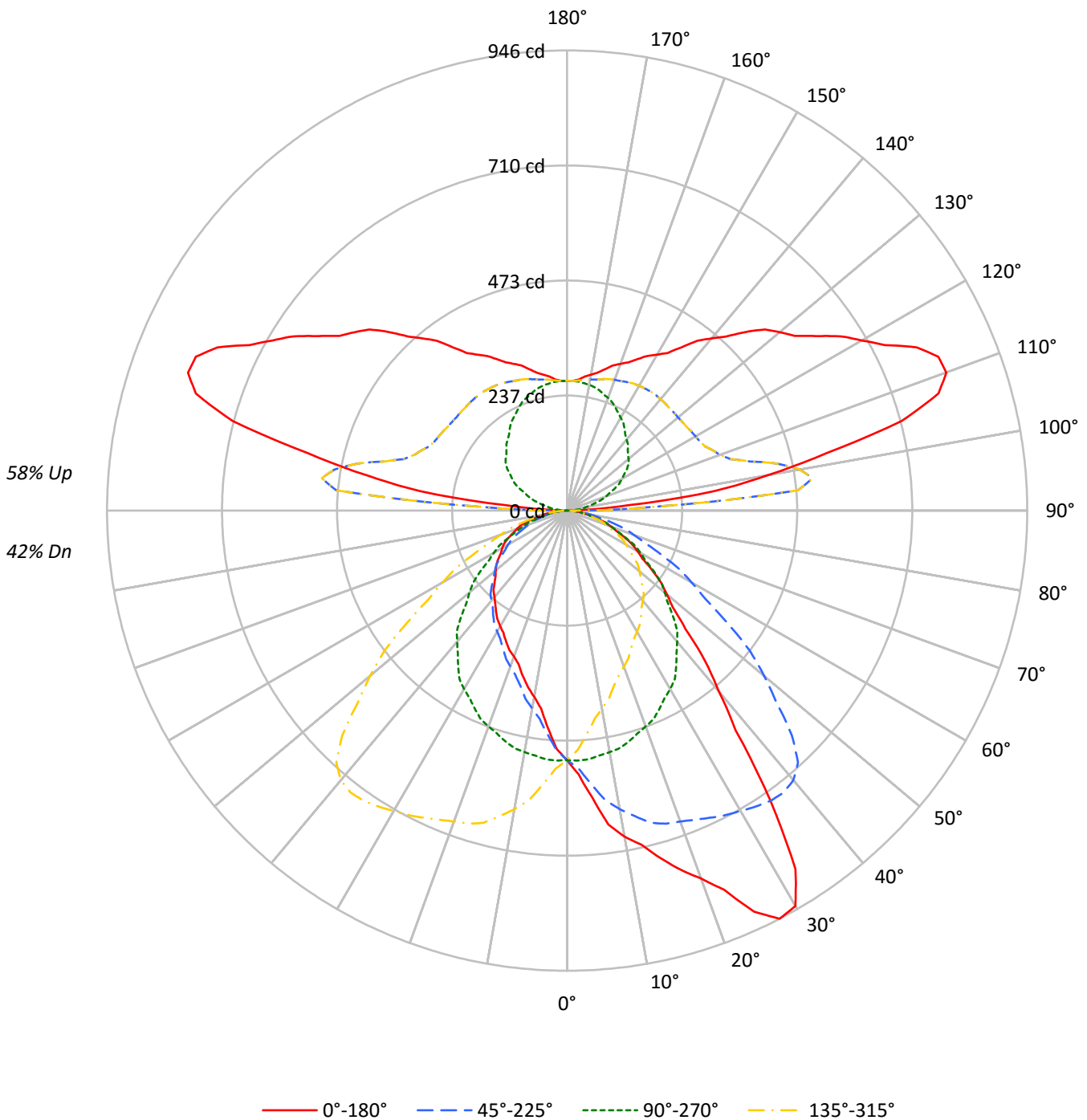
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36
2	88	81	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35	30
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14
9	49	37	30	25	45	35	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.4
10°-20°	147.1	4.3
20°-30°	238.8	6.9
30°-40°	291.3	8.4
40°-50°	265.0	7.7
50°-60°	211.1	6.1
60°-70°	147.0	4.3
70°-80°	78.4	2.3
80°-90°	21.3	0.6
90°-100°	193.3	5.6
100°-110°	415.5	12.0
110°-120°	390.0	11.3
120°-130°	316.0	9.2
130°-140°	253.6	7.4
140°-150°	191.4	5.5
150°-160°	134.7	3.9
160°-170°	79.4	2.3
170°-180°	25.8	0.7
0°-30°	435.3	12.6
0°-40°	726.6	21.1
0°-60°	1202.7	34.9
0°-90°	1449.4	42.0
90°-120°	998.8	29.0
90°-150°	1759.9	51.0
90°-180°	2000.0	58.0
0°-180°	3449.2	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°	12	1	12	1	12	9
95°	126	18	126	18	126	179
105°	712	61	712	61	712	708
115°	794	109	794	109	794	775
125°	625	150	625	150	625	566
135°	519	176	519	176	519	402
145°	410	205	410	205	410	260
155°	344	234	344	234	344	160
165°	301	256	301	256	301	86
175°	270	266	270	266	270	26
180°	267	267	267	267	267	



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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°	6.7	7.0	7.1	7.1	7.3	7.1	7.6	7.5	7.9	8.3	8.9
90°	12.3	12.3	11.8	11.8	11.8	10.7	10.2	9.7	9.1	8.6	7.5
92.5°	34.3	35.2	35.9	37.2	44.1	52.0	69.2	95.3	140.3	173.3	176.2
95°	126.4	135.0	139.2	155.4	193.6	238.7	304.8	386.5	466.2	476.4	388.7
97.5°	305.4	312.3	327.8	358.0	391.2	454.0	518.4	575.7	589.8	508.7	347.1
100°	419.3	428.0	447.9	486.5	523.7	579.6	635.0	661.3	619.9	485.5	309.7
102.5°	546.7	553.2	574.8	602.3	642.0	679.8	706.3	690.1	601.8	444.6	281.3
105°	712.4	718.9	729.6	747.3	764.5	770.4	746.8	673.2	544.1	389.8	253.7
107.5°	800.3	804.6	808.2	808.3	799.6	771.6	710.8	612.5	485.2	352.0	242.1
110°	829.6	829.6	825.9	815.6	791.5	745.7	670.0	567.8	451.7	334.4	238.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	826.1	822.3	812.9	795.4	760.1	706.2	629.5	532.5	426.7	324.1	238.7
115°	793.6	786.6	771.6	745.7	703.8	645.2	571.6	488.1	399.4	312.9	240.3
117.5°	736.5	732.2	717.3	690.6	648.7	594.8	531.4	459.6	383.2	307.5	243.8
120°	699.5	695.2	680.7	654.9	615.1	567.8	508.6	444.1	374.2	304.8	247.3
122.5°	666.8	662.9	648.4	624.7	589.3	545.0	492.3	432.5	366.5	302.7	250.3
125°	625.3	619.9	608.1	586.1	555.9	517.3	470.4	415.6	355.9	300.0	255.4
127.5°	589.8	587.4	576.3	556.8	529.5	493.2	449.6	398.4	346.3	298.7	261.1
130°	570.4	567.2	556.5	538.8	511.8	476.9	435.0	387.7	339.8	297.8	264.6
132.5°	551.1	547.4	537.5	519.8	492.9	459.3	421.2	376.9	334.6	297.8	268.4
135°	519.3	516.1	506.4	488.7	465.1	434.4	400.0	362.9	328.5	297.8	273.6
137.5°	485.5	481.9	473.1	456.9	435.7	409.7	381.1	351.1	323.0	298.5	278.5
140°	461.8	459.1	451.1	437.2	417.3	394.6	369.9	344.6	320.5	299.0	280.7
142.5°	439.9	437.6	430.0	418.2	401.3	381.7	360.4	339.0	318.3	299.4	281.9
145°	409.7	407.6	401.6	392.5	379.6	365.0	348.4	331.8	315.1	299.0	283.3
147.5°	384.1	383.1	379.7	372.4	362.1	351.2	338.4	324.9	311.7	297.6	283.9
150°	369.9	369.4	367.2	360.8	352.7	343.0	332.8	320.9	309.2	296.2	283.9
152.5°	358.7	358.2	356.0	350.9	344.1	336.6	327.3	316.7	306.1	294.5	283.4
155°	343.6	343.0	341.4	337.6	332.2	326.3	318.9	310.2	301.0	291.4	282.3
157.5°	330.0	330.1	328.6	325.5	321.3	316.7	310.9	303.8	296.3	288.1	280.9
160°	320.9	321.5	320.5	317.7	314.0	310.2	304.8	299.4	292.5	286.1	279.6
162.5°	312.8	312.9	312.7	310.5	307.6	304.2	299.7	294.7	289.1	283.4	278.3
165°	301.0	301.0	301.0	300.0	297.8	295.2	291.9	288.1	283.9	279.6	276.4
167.5°	290.3	290.4	290.9	289.9	288.8	286.9	284.5	281.9	278.8	275.8	273.3
170°	283.9	284.5	284.5	283.9	282.8	281.7	280.1	278.5	275.8	273.6	272.0
172.5°	277.9	278.4	279.3	278.3	278.1	277.4	276.3	274.7	272.8	271.1	270.3
175°	270.4	271.0	272.0	271.5	271.5	271.5	270.4	270.4	268.8	268.2	268.2
177.5°	266.6	266.6	268.0	267.5	268.0	268.0	268.0	267.5	267.1	266.6	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



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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°	9.0	8.5	7.7	7.0	5.8	5.1	4.7	4.8	4.4	4.4	4.8
90°	7.0	5.9	5.4	4.3	3.2	2.2	1.0	0.6	1.0	2.2	3.2
92.5°	122.7	73.4	44.1	28.4	19.1	12.4	7.9	6.6	7.9	12.4	19.1
95°	240.3	122.1	64.6	40.3	28.5	22.6	18.3	17.7	18.3	22.6	28.5
97.5°	191.8	105.2	67.1	49.7	39.0	33.1	30.1	29.5	30.1	33.1	39.0
100°	174.2	104.3	73.1	57.0	46.8	40.9	38.7	37.6	38.7	40.9	46.8
102.5°	166.9	108.2	80.4	64.8	55.4	49.0	47.3	46.7	47.3	49.0	55.4
105°	164.0	116.1	92.5	77.4	68.8	63.4	60.8	60.8	60.8	63.4	68.8
107.5°	168.9	128.0	105.1	91.5	82.6	78.1	75.6	74.6	75.6	78.1	82.6
110°	173.6	136.6	114.5	100.6	92.5	87.7	85.5	84.5	85.5	87.7	92.5



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	179.6	144.8	123.6	110.0	102.0	97.1	95.4	94.3	95.4	97.1	102.0
115°	188.7	157.5	137.6	124.2	116.1	111.3	109.7	108.6	109.7	111.3	116.1
117.5°	199.1	170.7	151.8	138.8	129.7	124.9	123.1	121.5	123.1	124.9	129.7
120°	205.9	180.1	161.3	147.9	138.7	133.8	131.8	130.1	131.8	133.8	138.7
122.5°	213.7	189.2	170.3	156.9	146.8	142.0	140.3	139.1	140.3	142.0	146.8
125°	224.2	201.0	183.3	169.4	159.1	154.3	151.7	150.5	151.7	154.3	159.1
127.5°	233.8	212.5	195.5	181.5	170.7	164.6	161.1	159.5	161.1	164.6	170.7
130°	240.3	219.9	203.2	189.3	178.0	171.0	166.6	165.0	166.6	171.0	178.0
132.5°	245.9	226.8	210.1	196.1	184.5	176.5	171.4	169.4	171.4	176.5	184.5
135°	253.7	236.0	219.3	204.8	193.6	184.9	178.5	176.3	178.5	184.9	193.6
137.5°	259.6	242.6	227.4	212.4	201.4	192.8	186.8	185.2	186.8	192.8	201.4
140°	263.4	247.3	231.8	217.3	207.0	198.4	191.9	190.3	191.9	198.4	207.0
142.5°	265.6	250.3	235.6	222.0	212.2	203.6	197.6	196.3	197.6	203.6	212.2
145°	268.8	255.4	241.4	229.0	219.3	211.8	206.4	205.4	206.4	211.8	219.3
147.5°	270.8	258.6	246.4	235.4	227.1	220.1	215.5	214.8	215.5	220.1	227.1
150°	272.0	260.8	248.9	239.8	232.2	225.3	221.5	220.5	221.5	225.3	232.2
152.5°	272.9	262.9	251.9	243.6	236.6	230.5	227.1	226.5	227.1	230.5	236.6
155°	273.6	265.0	255.9	248.4	243.0	237.6	234.4	234.4	234.4	237.6	243.0
157.5°	274.2	266.9	259.0	253.4	248.6	244.0	241.4	241.5	241.4	244.0	248.6
160°	274.2	267.8	260.8	255.9	251.7	247.9	245.7	246.3	245.7	247.9	251.7
162.5°	273.8	268.6	262.5	258.5	255.1	251.8	249.6	250.2	249.6	251.8	255.1
165°	273.1	268.8	264.6	261.3	259.1	256.5	254.9	255.9	254.9	256.5	259.1
167.5°	271.8	268.8	265.2	263.3	261.7	260.2	259.3	259.8	259.3	260.2	261.7
170°	271.0	268.8	266.2	264.6	263.4	262.4	261.8	262.4	261.8	262.4	263.4
172.5°	270.1	268.4	266.2	265.4	264.8	263.6	263.2	264.1	263.2	263.6	264.8
175°	268.8	267.8	266.2	266.2	266.2	265.6	265.0	266.2	265.0	265.6	266.2
177.5°	267.5	267.1	266.3	266.3	266.6	266.3	266.3	267.1	266.3	266.3	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

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°	5.2	5.7	5.7	6.1	6.2	6.8	6.7	7.5	8.0	8.4	8.5
90°	4.3	5.4	5.9	7.0	7.5	8.6	9.1	9.7	10.2	10.7	11.8
92.5°	28.4	44.1	73.4	122.7	176.2	173.3	140.3	95.3	69.2	52.0	44.1
95°	40.3	64.6	122.1	240.3	388.7	476.4	466.2	386.5	304.8	238.7	193.6
97.5°	49.7	67.1	105.2	191.8	347.1	508.7	589.8	575.7	518.4	454.0	391.2
100°	57.0	73.1	104.3	174.2	309.7	485.5	619.9	661.3	635.0	579.6	523.7
102.5°	64.8	80.4	108.2	166.9	281.3	444.6	601.8	690.1	706.3	679.8	642.0
105°	77.4	92.5	116.1	164.0	253.7	389.8	544.1	673.2	746.8	770.4	764.5
107.5°	91.5	105.1	128.0	168.9	242.1	352.0	485.2	612.5	710.8	771.6	799.6
110°	100.6	114.5	136.6	173.6	238.7	334.4	451.7	567.8	670.0	745.7	791.5



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	110.0	123.6	144.8	179.6	238.7	324.1	426.7	532.5	629.5	706.2	760.1
115°	124.2	137.6	157.5	188.7	240.3	312.9	399.4	488.1	571.6	645.2	703.8
117.5°	138.8	151.8	170.7	199.1	243.8	307.5	383.2	459.6	531.4	594.8	648.7
120°	147.9	161.3	180.1	205.9	247.3	304.8	374.2	444.1	508.6	567.8	615.1
122.5°	156.9	170.3	189.2	213.7	250.3	302.7	366.5	432.5	492.3	545.0	589.3
125°	169.4	183.3	201.0	224.2	255.4	300.0	355.9	415.6	470.4	517.3	555.9
127.5°	181.5	195.5	212.5	233.8	261.1	298.7	346.3	398.4	449.6	493.2	529.5
130°	189.3	203.2	219.9	240.3	264.6	297.8	339.8	387.7	435.0	476.9	511.8
132.5°	196.1	210.1	226.8	245.9	268.4	297.8	334.6	376.9	421.2	459.3	492.9
135°	204.8	219.3	236.0	253.7	273.6	297.8	328.5	362.9	400.0	434.4	465.1
137.5°	212.4	227.4	242.6	259.6	278.5	298.5	323.0	351.1	381.1	409.7	435.7
140°	217.3	231.8	247.3	263.4	280.7	299.0	320.5	344.6	369.9	394.6	417.3
142.5°	222.0	235.6	250.3	265.6	281.9	299.4	318.3	339.0	360.4	381.7	401.3
145°	229.0	241.4	255.4	268.8	283.3	299.0	315.1	331.8	348.4	365.0	379.6
147.5°	235.4	246.4	258.6	270.8	283.9	297.6	311.7	324.9	338.4	351.2	362.1
150°	239.8	248.9	260.8	272.0	283.9	296.2	309.2	320.9	332.8	343.0	352.7
152.5°	243.6	251.9	262.9	272.9	283.4	294.5	306.1	316.7	327.3	336.6	344.1
155°	248.4	255.9	265.0	273.6	282.3	291.4	301.0	310.2	318.9	326.3	332.2
157.5°	253.4	259.0	266.9	274.2	280.9	288.1	296.3	303.8	310.9	316.7	321.3
160°	255.9	260.8	267.8	274.2	279.6	286.1	292.5	299.4	304.8	310.2	314.0
162.5°	258.5	262.5	268.6	273.8	278.3	283.4	289.1	294.7	299.7	304.2	307.6
165°	261.3	264.6	268.8	273.1	276.4	279.6	283.9	288.1	291.9	295.2	297.8
167.5°	263.3	265.2	268.8	271.8	273.3	275.8	278.8	281.9	284.5	286.9	288.8
170°	264.6	266.2	268.8	271.0	272.0	273.6	275.8	278.5	280.1	281.7	282.8
172.5°	265.4	266.2	268.4	270.1	270.3	271.1	272.8	274.7	276.3	277.4	278.1
175°	266.2	266.2	267.8	268.8	268.2	268.2	268.8	270.4	270.4	271.5	271.5
177.5°	266.3	266.3	267.1	267.5	266.6	266.6	267.1	267.5	268.0	268.0	268.0
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

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°	8.8	8.7	8.8	9.0	8.8	8.7	8.8	8.5	8.4	8.0	7.5
90°	11.8	11.8	12.3	12.3	12.3	11.8	11.8	11.8	10.7	10.2	9.7
92.5°	37.2	35.9	35.2	34.3	35.2	35.9	37.2	44.1	52.0	69.2	95.3
95°	155.4	139.2	135.0	126.4	135.0	139.2	155.4	193.6	238.7	304.8	386.5
97.5°	358.0	327.8	312.3	305.4	312.3	327.8	358.0	391.2	454.0	518.4	575.7
100°	486.5	447.9	428.0	419.3	428.0	447.9	486.5	523.7	579.6	635.0	661.3
102.5°	602.3	574.8	553.2	546.7	553.2	574.8	602.3	642.0	679.8	706.3	690.1
105°	747.3	729.6	718.9	712.4	718.9	729.6	747.3	764.5	770.4	746.8	673.2
107.5°	808.3	808.2	804.6	800.3	804.6	808.2	808.3	799.6	771.6	710.8	612.5
110°	815.6	825.9	829.6	829.6	829.6	825.9	815.6	791.5	745.7	670.0	567.8



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	795.4	812.9	822.3	826.1	822.3	812.9	795.4	760.1	706.2	629.5	532.5
115°	745.7	771.6	786.6	793.6	786.6	771.6	745.7	703.8	645.2	571.6	488.1
117.5°	690.6	717.3	732.2	736.5	732.2	717.3	690.6	648.7	594.8	531.4	459.6
120°	654.9	680.7	695.2	699.5	695.2	680.7	654.9	615.1	567.8	508.6	444.1
122.5°	624.7	648.4	662.9	666.8	662.9	648.4	624.7	589.3	545.0	492.3	432.5
125°	586.1	608.1	619.9	625.3	619.9	608.1	586.1	555.9	517.3	470.4	415.6
127.5°	556.8	576.3	587.4	589.8	587.4	576.3	556.8	529.5	493.2	449.6	398.4
130°	538.8	556.5	567.2	570.4	567.2	556.5	538.8	511.8	476.9	435.0	387.7
132.5°	519.8	537.5	547.4	551.1	547.4	537.5	519.8	492.9	459.3	421.2	376.9
135°	488.7	506.4	516.1	519.3	516.1	506.4	488.7	465.1	434.4	400.0	362.9
137.5°	456.9	473.1	481.9	485.5	481.9	473.1	456.9	435.7	409.7	381.1	351.1
140°	437.2	451.1	459.1	461.8	459.1	451.1	437.2	417.3	394.6	369.9	344.6
142.5°	418.2	430.0	437.6	439.9	437.6	430.0	418.2	401.3	381.7	360.4	339.0
145°	392.5	401.6	407.6	409.7	407.6	401.6	392.5	379.6	365.0	348.4	331.8
147.5°	372.4	379.7	383.1	384.1	383.1	379.7	372.4	362.1	351.2	338.4	324.9
150°	360.8	367.2	369.4	369.9	369.4	367.2	360.8	352.7	343.0	332.8	320.9
152.5°	350.9	356.0	358.2	358.7	358.2	356.0	350.9	344.1	336.6	327.3	316.7
155°	337.6	341.4	343.0	343.6	343.0	341.4	337.6	332.2	326.3	318.9	310.2
157.5°	325.5	328.6	330.1	330.0	330.1	328.6	325.5	321.3	316.7	310.9	303.8
160°	317.7	320.5	321.5	320.9	321.5	320.5	317.7	314.0	310.2	304.8	299.4
162.5°	310.5	312.7	312.9	312.8	312.9	312.7	310.5	307.6	304.2	299.7	294.7
165°	300.0	301.0	301.0	301.0	301.0	301.0	300.0	297.8	295.2	291.9	288.1
167.5°	289.9	290.9	290.4	290.3	290.4	290.9	289.9	288.8	286.9	284.5	281.9
170°	283.9	284.5	284.5	283.9	284.5	284.5	283.9	282.8	281.7	280.1	278.5
172.5°	278.3	279.3	278.4	277.9	278.4	279.3	278.3	278.1	277.4	276.3	274.7
175°	271.5	272.0	271.0	270.4	271.0	272.0	271.5	271.5	271.5	270.4	270.4
177.5°	267.5	268.0	266.6	266.6	266.6	268.0	267.5	268.0	268.0	268.0	267.5
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

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°	6.7	6.8	6.2	6.1	5.7	5.7	5.2	4.8	4.4	4.4	4.8
90°	9.1	8.6	7.5	7.0	5.9	5.4	4.3	3.2	2.2	1.0	0.6
92.5°	140.3	173.3	176.2	122.7	73.4	44.1	28.4	19.1	12.4	7.9	6.6
95°	466.2	476.4	388.7	240.3	122.1	64.6	40.3	28.5	22.6	18.3	17.7
97.5°	589.8	508.7	347.1	191.8	105.2	67.1	49.7	39.0	33.1	30.1	29.5
100°	619.9	485.5	309.7	174.2	104.3	73.1	57.0	46.8	40.9	38.7	37.6
102.5°	601.8	444.6	281.3	166.9	108.2	80.4	64.8	55.4	49.0	47.3	46.7
105°	544.1	389.8	253.7	164.0	116.1	92.5	77.4	68.8	63.4	60.8	60.8
107.5°	485.2	352.0	242.1	168.9	128.0	105.1	91.5	82.6	78.1	75.6	74.6
110°	451.7	334.4	238.7	173.6	136.6	114.5	100.6	92.5	87.7	85.5	84.5



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	426.7	324.1	238.7	179.6	144.8	123.6	110.0	102.0	97.1	95.4	94.3
115°	399.4	312.9	240.3	188.7	157.5	137.6	124.2	116.1	111.3	109.7	108.6
117.5°	383.2	307.5	243.8	199.1	170.7	151.8	138.8	129.7	124.9	123.1	121.5
120°	374.2	304.8	247.3	205.9	180.1	161.3	147.9	138.7	133.8	131.8	130.1
122.5°	366.5	302.7	250.3	213.7	189.2	170.3	156.9	146.8	142.0	140.3	139.1
125°	355.9	300.0	255.4	224.2	201.0	183.3	169.4	159.1	154.3	151.7	150.5
127.5°	346.3	298.7	261.1	233.8	212.5	195.5	181.5	170.7	164.6	161.1	159.5
130°	339.8	297.8	264.6	240.3	219.9	203.2	189.3	178.0	171.0	166.6	165.0
132.5°	334.6	297.8	268.4	245.9	226.8	210.1	196.1	184.5	176.5	171.4	169.4
135°	328.5	297.8	273.6	253.7	236.0	219.3	204.8	193.6	184.9	178.5	176.3
137.5°	323.0	298.5	278.5	259.6	242.6	227.4	212.4	201.4	192.8	186.8	185.2
140°	320.5	299.0	280.7	263.4	247.3	231.8	217.3	207.0	198.4	191.9	190.3
142.5°	318.3	299.4	281.9	265.6	250.3	235.6	222.0	212.2	203.6	197.6	196.3
145°	315.1	299.0	283.3	268.8	255.4	241.4	229.0	219.3	211.8	206.4	205.4
147.5°	311.7	297.6	283.9	270.8	258.6	246.4	235.4	227.1	220.1	215.5	214.8
150°	309.2	296.2	283.9	272.0	260.8	248.9	239.8	232.2	225.3	221.5	220.5
152.5°	306.1	294.5	283.4	272.9	262.9	251.9	243.6	236.6	230.5	227.1	226.5
155°	301.0	291.4	282.3	273.6	265.0	255.9	248.4	243.0	237.6	234.4	234.4
157.5°	296.3	288.1	280.9	274.2	266.9	259.0	253.4	248.6	244.0	241.4	241.5
160°	292.5	286.1	279.6	274.2	267.8	260.8	255.9	251.7	247.9	245.7	246.3
162.5°	289.1	283.4	278.3	273.8	268.6	262.5	258.5	255.1	251.8	249.6	250.2
165°	283.9	279.6	276.4	273.1	268.8	264.6	261.3	259.1	256.5	254.9	255.9
167.5°	278.8	275.8	273.3	271.8	268.8	265.2	263.3	261.7	260.2	259.3	259.8
170°	275.8	273.6	272.0	271.0	268.8	266.2	264.6	263.4	262.4	261.8	262.4
172.5°	272.8	271.1	270.3	270.1	268.4	266.2	265.4	264.8	263.6	263.2	264.1
175°	268.8	268.2	268.2	268.8	267.8	266.2	266.2	266.2	265.6	265.0	266.2
177.5°	267.1	266.6	266.6	267.5	267.1	266.3	266.3	266.6	266.3	266.3	267.1
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

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°	4.7	5.1	5.8	7.0	7.7	8.5	9.0	8.9	8.3	7.9	7.5
90°	1.0	2.2	3.2	4.3	5.4	5.9	7.0	7.5	8.6	9.1	9.7
92.5°	7.9	12.4	19.1	28.4	44.1	73.4	122.7	176.2	173.3	140.3	95.3
95°	18.3	22.6	28.5	40.3	64.6	122.1	240.3	388.7	476.4	466.2	386.5
97.5°	30.1	33.1	39.0	49.7	67.1	105.2	191.8	347.1	508.7	589.8	575.7
100°	38.7	40.9	46.8	57.0	73.1	104.3	174.2	309.7	485.5	619.9	661.3
102.5°	47.3	49.0	55.4	64.8	80.4	108.2	166.9	281.3	444.6	601.8	690.1
105°	60.8	63.4	68.8	77.4	92.5	116.1	164.0	253.7	389.8	544.1	673.2
107.5°	75.6	78.1	82.6	91.5	105.1	128.0	168.9	242.1	352.0	485.2	612.5
110°	85.5	87.7	92.5	100.6	114.5	136.6	173.6	238.7	334.4	451.7	567.8



TEST NUMBER: P333126-830

CATALOG NUMBER: S125DIP-S375D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	95.4	97.1	102.0	110.0	123.6	144.8	179.6	238.7	324.1	426.7	532.5
115°	109.7	111.3	116.1	124.2	137.6	157.5	188.7	240.3	312.9	399.4	488.1
117.5°	123.1	124.9	129.7	138.8	151.8	170.7	199.1	243.8	307.5	383.2	459.6
120°	131.8	133.8	138.7	147.9	161.3	180.1	205.9	247.3	304.8	374.2	444.1
122.5°	140.3	142.0	146.8	156.9	170.3	189.2	213.7	250.3	302.7	366.5	432.5
125°	151.7	154.3	159.1	169.4	183.3	201.0	224.2	255.4	300.0	355.9	415.6
127.5°	161.1	164.6	170.7	181.5	195.5	212.5	233.8	261.1	298.7	346.3	398.4
130°	166.6	171.0	178.0	189.3	203.2	219.9	240.3	264.6	297.8	339.8	387.7
132.5°	171.4	176.5	184.5	196.1	210.1	226.8	245.9	268.4	297.8	334.6	376.9
135°	178.5	184.9	193.6	204.8	219.3	236.0	253.7	273.6	297.8	328.5	362.9
137.5°	186.8	192.8	201.4	212.4	227.4	242.6	259.6	278.5	298.5	323.0	351.1
140°	191.9	198.4	207.0	217.3	231.8	247.3	263.4	280.7	299.0	320.5	344.6
142.5°	197.6	203.6	212.2	222.0	235.6	250.3	265.6	281.9	299.4	318.3	339.0
145°	206.4	211.8	219.3	229.0	241.4	255.4	268.8	283.3	299.0	315.1	331.8
147.5°	215.5	220.1	227.1	235.4	246.4	258.6	270.8	283.9	297.6	311.7	324.9
150°	221.5	225.3	232.2	239.8	248.9	260.8	272.0	283.9	296.2	309.2	320.9
152.5°	227.1	230.5	236.6	243.6	251.9	262.9	272.9	283.4	294.5	306.1	316.7
155°	234.4	237.6	243.0	248.4	255.9	265.0	273.6	282.3	291.4	301.0	310.2
157.5°	241.4	244.0	248.6	253.4	259.0	266.9	274.2	280.9	288.1	296.3	303.8
160°	245.7	247.9	251.7	255.9	260.8	267.8	274.2	279.6	286.1	292.5	299.4
162.5°	249.6	251.8	255.1	258.5	262.5	268.6	273.8	278.3	283.4	289.1	294.7
165°	254.9	256.5	259.1	261.3	264.6	268.8	273.1	276.4	279.6	283.9	288.1
167.5°	259.3	260.2	261.7	263.3	265.2	268.8	271.8	273.3	275.8	278.8	281.9
170°	261.8	262.4	263.4	264.6	266.2	268.8	271.0	272.0	273.6	275.8	278.5
172.5°	263.2	263.6	264.8	265.4	266.2	268.4	270.1	270.3	271.1	272.8	274.7
175°	265.0	265.6	266.2	266.2	266.2	267.8	268.8	268.2	268.2	268.8	270.4
177.5°	266.3	266.3	266.6	266.3	266.3	267.1	267.5	266.6	266.6	267.1	267.5
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



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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°	7.6	7.1	7.3	7.1	7.1	7.0	6.7
90°	10.2	10.7	11.8	11.8	11.8	12.3	12.3
92.5°	69.2	52.0	44.1	37.2	35.9	35.2	34.3
95°	304.8	238.7	193.6	155.4	139.2	135.0	126.4
97.5°	518.4	454.0	391.2	358.0	327.8	312.3	305.4
100°	635.0	579.6	523.7	486.5	447.9	428.0	419.3
102.5°	706.3	679.8	642.0	602.3	574.8	553.2	546.7
105°	746.8	770.4	764.5	747.3	729.6	718.9	712.4
107.5°	710.8	771.6	799.6	808.3	808.2	804.6	800.3
110°	670.0	745.7	791.5	815.6	825.9	829.6	829.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	629.5	706.2	760.1	795.4	812.9	822.3	826.1
115°	571.6	645.2	703.8	745.7	771.6	786.6	793.6
117.5°	531.4	594.8	648.7	690.6	717.3	732.2	736.5
120°	508.6	567.8	615.1	654.9	680.7	695.2	699.5
122.5°	492.3	545.0	589.3	624.7	648.4	662.9	666.8
125°	470.4	517.3	555.9	586.1	608.1	619.9	625.3
127.5°	449.6	493.2	529.5	556.8	576.3	587.4	589.8
130°	435.0	476.9	511.8	538.8	556.5	567.2	570.4
132.5°	421.2	459.3	492.9	519.8	537.5	547.4	551.1
135°	400.0	434.4	465.1	488.7	506.4	516.1	519.3
137.5°	381.1	409.7	435.7	456.9	473.1	481.9	485.5
140°	369.9	394.6	417.3	437.2	451.1	459.1	461.8
142.5°	360.4	381.7	401.3	418.2	430.0	437.6	439.9
145°	348.4	365.0	379.6	392.5	401.6	407.6	409.7
147.5°	338.4	351.2	362.1	372.4	379.7	383.1	384.1
150°	332.8	343.0	352.7	360.8	367.2	369.4	369.9
152.5°	327.3	336.6	344.1	350.9	356.0	358.2	358.7
155°	318.9	326.3	332.2	337.6	341.4	343.0	343.6
157.5°	310.9	316.7	321.3	325.5	328.6	330.1	330.0
160°	304.8	310.2	314.0	317.7	320.5	321.5	320.9
162.5°	299.7	304.2	307.6	310.5	312.7	312.9	312.8
165°	291.9	295.2	297.8	300.0	301.0	301.0	301.0
167.5°	284.5	286.9	288.8	289.9	290.9	290.4	290.3
170°	280.1	281.7	282.8	283.9	284.5	284.5	283.9
172.5°	276.3	277.4	278.1	278.3	279.3	278.4	277.9
175°	270.4	271.5	271.5	271.5	272.0	271.0	270.4
177.5°	268.0	268.0	268.0	267.5	268.0	266.6	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6

(END OF REPORT)