

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: P332722-830

Luminaire Tested: **S124DIW-S350D770U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332722-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D770U830-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3997.9 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

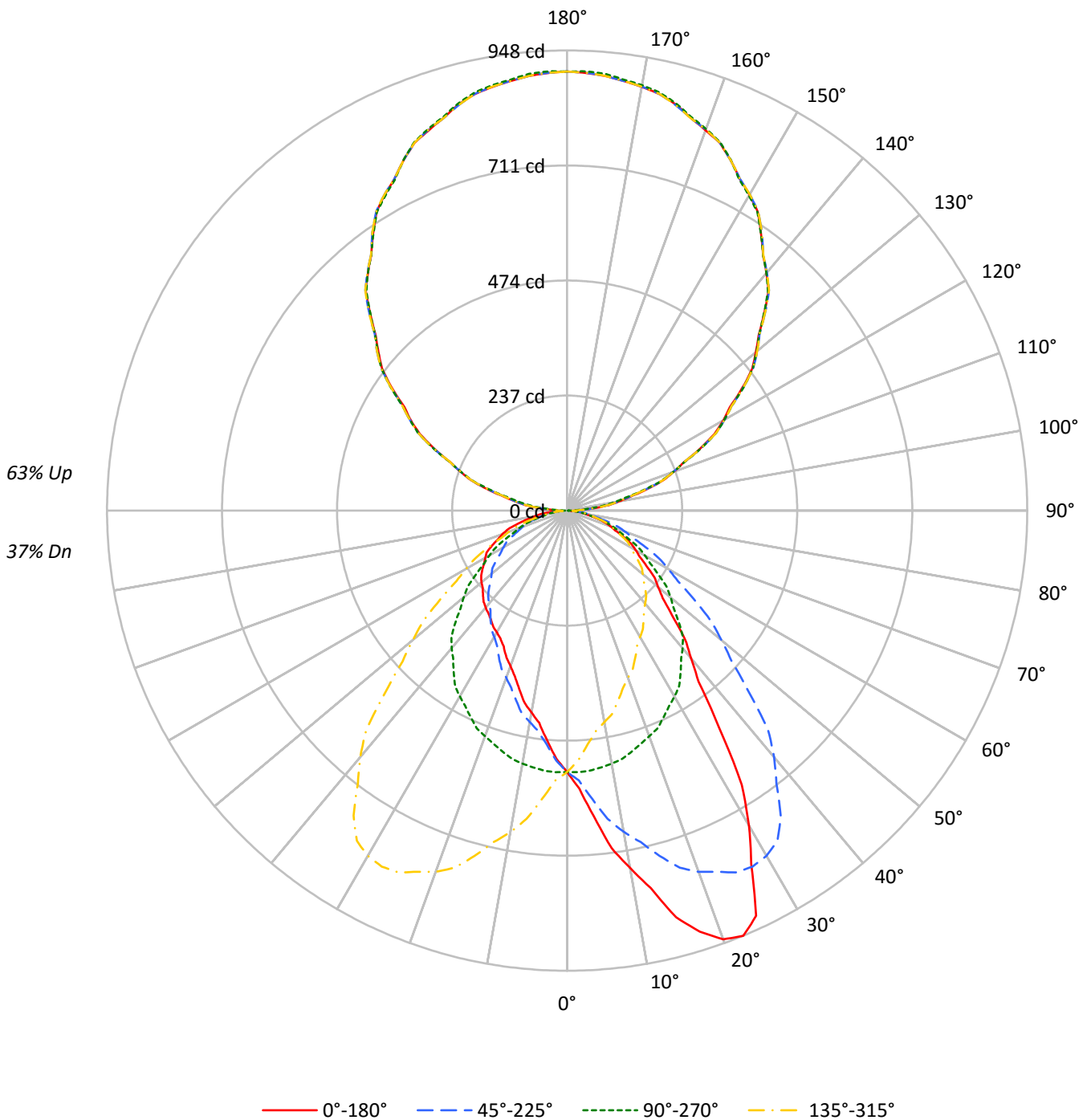
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-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	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	79	77	67	65	63	53	51	50	39	39	38	32
2	87	80	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	27	23
4	72	62	54	49	65	57	50	45	46	41	38	37	33	31	28	26	24	20
5	66	55	47	42	60	50	44	38	41	36	32	33	29	27	25	23	21	17
6	61	49	42	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	57	45	37	32	51	41	34	29	34	29	25	27	23	21	21	18	16	14
8	52	40	33	28	47	37	30	26	31	26	22	25	21	18	19	17	15	12
9	49	37	30	25	44	34	27	23	28	23	20	23	19	16	18	15	13	11
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4347	4347	4347	4347
5°	5119	4358	3847	4358
10°	6129	4339	3463	4339
15°	7252	4296	3181	4296
20°	8076	4250	2928	4250
25°	8206	4185	2754	4185
30°	6982	4121	2699	4121
35°	5368	4018	2699	4018
40°	4185	3898	2751	3898
45°	3489	3716	2797	3716
50°	3071	3493	2891	3493
55°	2814	3227	3008	3227
60°	2635	2989	3147	2989
65°	2455	2722	3265	2722
70°	2242	2460	3338	2460
75°	2006	2165	3300	2165
80°	1678	1776	3194	1776
85°	1241	1288	3057	1288



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.3
10°-20°	161.7	4.0
20°-30°	256.4	6.4
30°-40°	285.4	7.1
40°-50°	259.8	6.5
50°-60°	212.3	5.3
60°-70°	151.5	3.8
70°-80°	83.4	2.1
80°-90°	25.5	0.6
90°-100°	59.7	1.5
100°-110°	176.7	4.4
110°-120°	300.0	7.5
120°-130°	395.5	9.9
130°-140°	444.2	11.1
140°-150°	436.5	10.9
150°-160°	367.1	9.2
160°-170°	244.3	6.1
170°-180°	85.5	2.1
0°-30°	470.6	11.8
0°-40°	755.9	18.9
0°-60°	1227.9	30.7
0°-90°	1488.4	37.2
90°-120°	536.4	13.4
90°-150°	1812.6	45.3
90°-180°	2510.0	62.8
0°-180°	3997.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	538	538	538	538	538	
5°	632	538	475	538	632	64
15°	868	514	381	514	868	245
25°	921	470	309	470	921	406
35°	545	408	274	408	545	346
45°	306	326	245	326	306	241
55°	200	229	214	229	200	181
65°	128	142	171	142	128	127
75°	64	69	106	69	64	68
85°	13	14	33	14	13	17
90°	21	2	21	2	21	11
95°	55	42	55	42	55	58
105°	171	163	171	163	171	180
115°	302	305	302	305	302	299
125°	441	444	441	444	441	393
135°	574	573	574	573	574	443
145°	697	696	697	696	697	436
155°	797	798	797	798	797	367
165°	866	868	866	868	866	244
175°	899	903	899	903	899	85
180°	904	904	904	904	904	



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	573.1	573.0	571.2	570.8	569.6	568.0	567.6	564.7	559.0	556.3	555.6
5°	631.7	636.2	630.4	629.2	628.6	621.2	617.5	613.0	602.8	596.7	592.0
7.5°	701.7	702.2	699.6	697.7	691.9	685.5	675.9	665.6	653.4	640.7	631.1
10°	747.7	749.5	746.6	746.2	734.8	727.6	713.4	701.3	687.5	672.1	658.1
12.5°	796.3	793.8	792.3	782.8	780.6	767.6	751.0	738.7	717.3	699.6	680.9
15°	867.7	862.8	859.7	846.6	840.1	822.0	804.4	790.8	762.9	736.3	716.2
17.5°	909.6	914.5	907.4	901.9	885.2	872.5	854.5	826.0	804.2	771.2	745.8
20°	940.0	940.5	936.4	930.9	917.8	901.6	882.0	850.8	824.7	791.9	757.1
22.5°	948.2	948.3	946.6	941.4	931.4	918.4	898.6	872.5	840.9	805.3	770.4
25°	921.2	920.4	922.4	928.2	924.4	920.4	909.0	889.6	860.2	822.5	784.9
27.5°	821.1	827.4	838.7	852.9	866.7	877.1	880.1	876.1	857.9	826.9	787.6
30°	749.0	756.7	765.2	779.4	807.1	822.9	840.3	853.5	846.1	821.3	784.8
32.5°	669.9	671.8	684.3	700.5	725.9	756.3	783.9	810.7	819.5	806.5	776.0
35°	544.7	547.9	561.5	577.5	608.5	645.8	687.3	724.3	754.9	767.1	751.5
37.5°	444.5	453.5	463.1	480.3	507.7	541.2	584.3	632.3	677.8	708.3	713.5
40°	397.1	402.7	409.5	422.7	445.9	478.9	515.9	570.8	619.3	663.0	677.2
42.5°	359.6	362.9	367.1	379.0	396.6	429.5	463.4	511.6	560.2	612.5	636.4
45°	305.6	309.0	316.1	323.0	336.4	359.1	390.6	430.3	479.2	529.5	573.7
47.5°	266.6	268.7	273.0	280.4	291.8	306.8	332.3	365.5	410.8	459.8	506.8
50°	244.5	246.3	249.6	256.3	265.0	278.4	299.4	330.4	365.8	415.1	461.3
52.5°	227.0	227.7	230.2	234.7	241.7	252.9	270.1	295.8	328.8	372.7	418.7
55°	199.9	200.8	203.0	206.3	212.4	219.5	232.6	251.8	280.6	318.8	358.7
57.5°	177.6	178.2	180.0	181.3	186.3	192.1	202.3	215.9	237.7	270.1	305.8
60°	163.2	162.9	165.0	166.2	169.6	174.5	182.3	195.4	214.3	240.4	273.2
62.5°	149.4	148.7	150.6	152.1	154.0	158.2	164.6	174.8	190.3	213.9	242.2
65°	128.5	127.6	128.8	130.5	132.2	134.5	139.2	148.4	160.6	177.6	199.2
67.5°	107.5	108.5	108.7	109.5	110.6	113.6	116.8	123.3	132.0	145.5	163.8
70°	95.0	95.3	96.1	96.1	96.8	99.5	102.2	105.9	114.4	127.0	141.9
72.5°	82.6	83.5	83.1	83.8	84.4	86.1	88.0	91.7	98.9	108.2	120.8
75°	64.3	64.9	64.9	65.1	65.8	66.4	68.1	70.7	75.9	82.8	91.4
77.5°	46.8	46.9	47.2	48.1	48.1	49.1	50.2	52.4	55.0	59.7	65.0
80°	36.1	36.6	36.4	36.9	36.9	37.7	38.2	40.8	41.9	45.1	49.3
82.5°	26.5	27.0	26.9	27.5	27.9	28.1	28.7	29.8	30.9	33.6	35.3
85°	13.4	13.9	13.4	13.9	14.5	14.7	15.4	15.6	16.5	17.2	18.8
87.5°	8.1	8.6	8.6	8.7	9.0	9.0	9.0	8.7	9.1	9.1	9.6
90°	21.0	20.6	20.4	20.1	19.7	19.1	18.2	17.2	16.3	15.4	14.1
92.5°	31.1	30.9	30.7	30.5	30.3	30.0	29.4	28.8	28.3	27.7	26.9
95°	55.2	55.2	55.2	55.2	55.2	55.0	54.6	54.1	53.6	53.2	52.1
97.5°	86.6	86.6	86.6	86.6	86.6	86.3	85.8	85.2	84.6	84.1	82.8
100°	108.4	108.4	108.4	108.4	108.4	108.3	107.9	107.6	107.4	107.1	105.7
102.5°	133.1	132.9	132.8	132.7	132.5	132.2	131.9	131.4	131.0	130.5	129.2
105°	170.7	170.2	169.8	169.3	168.8	168.3	167.9	167.4	166.9	166.5	165.9
107.5°	207.4	207.4	207.5	207.5	207.5	207.3	206.8	206.4	205.9	205.6	205.5
110°	233.7	233.2	232.7	232.2	231.8	231.7	232.1	232.3	232.6	232.9	233.1



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	260.5	260.4	260.3	260.2	260.1	260.1	260.1	260.2	260.3	260.3	260.6
115°	302.2	302.4	302.6	302.7	302.8	302.9	303.1	303.3	303.4	303.6	303.9
117.5°	342.0	342.2	342.5	342.9	343.2	343.6	344.1	344.7	345.2	345.7	345.9
120°	372.1	371.8	371.6	371.3	370.9	371.2	371.9	372.7	373.4	374.3	374.8
122.5°	397.4	397.9	398.4	399.0	399.5	400.1	400.7	401.1	401.7	402.3	402.5
125°	440.7	441.0	441.3	441.7	442.0	442.2	442.6	442.9	443.2	443.5	443.7
127.5°	480.9	481.1	481.4	481.6	481.8	482.1	482.5	482.8	483.1	483.4	483.6
130°	507.2	507.7	508.4	509.1	509.6	510.1	510.4	510.8	511.0	511.3	511.3
132.5°	535.2	535.4	535.6	535.9	536.1	536.4	536.8	537.1	537.3	537.6	537.8
135°	573.6	574.1	574.6	575.0	575.5	575.9	576.2	576.5	576.8	577.1	577.1
137.5°	614.1	614.0	613.9	613.8	613.7	613.9	614.3	614.6	615.0	615.5	615.2
140°	638.7	638.9	638.9	639.1	639.3	639.4	639.6	639.8	639.9	640.1	640.1
142.5°	663.3	663.4	663.4	663.4	663.5	663.5	663.5	663.5	663.5	663.5	663.7
145°	696.7	697.2	697.7	698.1	698.6	698.9	699.1	699.3	699.4	699.6	699.4
147.5°	730.6	730.8	730.9	731.0	731.2	731.3	731.5	731.6	731.7	731.9	732.0
150°	751.3	751.5	751.6	751.8	752.0	752.1	752.1	752.1	752.1	752.1	752.1
152.5°	770.3	770.7	771.2	771.6	771.9	771.9	771.6	771.2	770.8	770.4	770.3
155°	796.8	797.4	798.1	798.6	799.3	799.3	798.6	798.1	797.4	796.8	796.9
157.5°	820.4	821.0	821.5	822.0	822.6	822.6	822.1	821.6	821.1	820.7	820.8
160°	833.9	834.6	835.4	836.2	837.0	837.2	836.7	836.2	835.8	835.3	835.4
162.5°	847.8	848.7	849.4	850.2	850.9	850.9	850.1	849.2	848.4	847.5	847.7
165°	866.0	866.7	867.2	867.9	868.6	868.4	867.4	866.5	865.5	864.6	865.0
167.5°	879.0	880.1	881.0	881.9	882.9	882.9	881.9	881.1	880.1	879.2	879.1
170°	886.4	887.4	888.5	889.6	890.7	890.8	889.9	888.9	888.0	887.0	886.8
172.5°	892.5	893.5	894.7	895.7	896.8	896.8	895.8	894.8	893.7	892.6	892.6
175°	898.9	900.0	901.1	902.2	903.2	903.2	902.2	901.1	900.0	898.9	899.1
177.5°	902.3	903.2	904.3	905.2	906.3	906.3	905.4	904.6	903.7	902.9	902.9
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	555.8	553.3	551.5	550.1	546.2	543.8	542.1	539.6	536.7	533.7	529.9
5°	587.3	579.8	574.2	565.7	557.7	551.0	544.0	537.8	530.3	522.0	515.9
7.5°	620.5	609.2	594.7	582.2	568.1	555.8	544.9	533.7	522.0	510.6	500.2
10°	641.6	627.1	611.0	592.0	574.2	558.4	543.7	529.3	515.5	501.7	489.8
12.5°	664.2	646.1	622.4	600.2	580.2	559.0	541.3	523.8	507.1	492.6	478.8
15°	694.7	668.5	641.1	611.4	585.1	560.3	536.0	514.0	495.2	476.0	462.6
17.5°	713.3	681.0	649.7	618.7	586.8	555.5	529.3	503.9	480.4	461.4	444.5
20°	725.7	693.5	654.5	623.5	585.6	553.5	523.1	494.7	470.2	450.0	432.5
22.5°	736.3	699.3	660.2	619.3	581.6	547.5	514.3	485.9	460.8	439.4	422.7
25°	742.2	699.6	657.1	616.5	573.7	533.4	503.2	469.8	443.0	420.5	402.7
27.5°	742.8	697.2	649.2	604.2	560.0	522.4	484.4	454.4	426.7	402.8	385.7
30°	740.8	693.3	641.8	593.0	548.6	507.7	474.7	442.1	413.8	390.1	372.3
32.5°	734.5	685.1	632.2	580.4	534.4	494.5	460.4	429.4	401.8	378.5	359.8
35°	716.5	667.6	611.2	557.4	510.4	470.0	439.2	407.7	380.1	358.1	340.0
37.5°	688.2	644.1	586.7	531.1	484.8	444.3	413.8	385.4	360.4	338.0	319.5
40°	663.6	624.8	567.2	513.0	463.1	424.5	396.0	369.9	345.1	323.9	306.2
42.5°	635.3	601.4	548.4	491.0	442.7	404.0	376.2	352.7	329.4	309.8	292.2
45°	584.7	562.3	512.4	459.3	409.1	372.5	346.0	325.5	305.9	286.6	271.9
47.5°	526.5	515.4	473.3	422.9	375.3	339.2	316.2	297.3	280.0	263.8	250.8
50°	487.4	482.0	445.7	397.1	351.6	317.6	294.5	278.1	263.4	249.2	236.9
52.5°	448.8	448.7	415.8	371.4	329.2	296.6	273.5	258.4	245.6	234.0	223.0
55°	389.9	396.2	370.5	330.8	293.1	263.6	242.9	229.3	220.4	210.8	202.6
57.5°	335.8	346.2	325.0	290.0	258.5	231.5	213.4	203.2	193.7	187.8	181.8
60°	300.5	310.3	293.8	264.4	234.7	211.5	194.3	185.1	176.9	172.9	168.6
62.5°	269.1	277.8	265.6	238.3	212.5	190.2	175.7	166.9	161.4	157.0	154.2
65°	224.2	231.6	221.0	201.2	179.1	161.3	149.5	142.5	137.2	135.4	132.2
67.5°	181.3	187.9	182.3	165.4	147.7	134.1	124.9	118.3	115.1	113.6	111.3
70°	155.7	162.4	156.4	141.7	128.0	116.7	107.9	104.2	100.9	100.2	97.1
72.5°	134.1	138.6	132.6	121.1	109.5	99.9	93.1	89.2	87.5	86.2	84.5
75°	100.6	104.6	100.6	91.7	83.4	76.7	71.0	69.4	67.4	66.7	65.6
77.5°	71.2	74.6	71.6	66.1	59.9	54.7	51.6	49.6	49.1	48.0	48.5
80°	54.4	56.6	53.7	50.0	45.1	41.5	39.3	38.2	36.9	36.4	37.2
82.5°	39.1	40.1	38.5	36.0	32.4	30.1	28.6	27.2	27.0	27.1	27.1
85°	20.3	20.1	19.9	17.6	16.5	15.0	14.0	13.9	13.6	14.0	14.5
87.5°	9.3	9.3	8.9	7.8	7.0	6.1	5.6	5.1	5.6	6.1	6.6
90°	12.9	11.7	10.5	9.0	7.3	5.6	3.8	2.1	3.8	5.6	7.3
92.5°	25.9	25.1	24.2	22.8	20.8	18.9	17.0	15.0	17.0	18.9	20.8
95°	51.0	49.9	48.8	47.6	46.2	44.8	43.4	41.9	43.4	44.8	46.2
97.5°	81.5	80.3	79.0	77.8	76.6	75.6	74.5	73.3	74.5	75.6	76.6
100°	104.2	102.8	101.4	100.4	99.8	99.2	98.6	97.9	98.6	99.2	99.8
102.5°	128.0	126.7	125.5	124.7	124.4	124.1	123.9	123.7	123.9	124.1	124.4
105°	165.2	164.7	164.0	163.6	163.4	163.3	163.2	163.0	163.2	163.3	163.4
107.5°	205.4	205.3	205.2	205.0	204.8	204.6	204.4	204.2	204.4	204.6	204.8
110°	233.3	233.4	233.6	233.5	233.2	232.9	232.5	232.2	232.5	232.9	233.2



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	260.9	261.2	261.5	261.6	261.6	261.5	261.4	261.4	261.4	261.5	261.6
115°	304.3	304.5	304.8	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
117.5°	346.2	346.4	346.6	346.7	346.5	346.4	346.3	346.1	346.3	346.4	346.5
120°	375.2	375.7	376.1	376.1	375.4	374.8	374.2	373.5	374.2	374.8	375.4
122.5°	402.7	402.9	403.1	403.1	402.8	402.6	402.4	402.1	402.4	402.6	402.8
125°	443.8	443.9	444.1	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
127.5°	483.9	484.1	484.4	484.3	483.8	483.3	482.9	482.4	482.9	483.3	483.8
130°	511.3	511.3	511.3	511.1	510.7	510.2	509.7	509.3	509.7	510.2	510.7
132.5°	537.9	538.0	538.2	538.1	537.7	537.3	537.1	536.7	537.1	537.3	537.7
135°	577.1	577.1	577.1	576.6	575.7	574.8	573.8	573.0	573.8	574.8	575.7
137.5°	614.9	614.7	614.4	614.2	613.7	613.2	612.8	612.4	612.8	613.2	613.7
140°	640.1	640.1	640.1	639.9	639.6	639.3	638.9	638.7	638.9	639.3	639.6
142.5°	663.8	663.9	664.1	664.0	663.6	663.4	663.1	662.7	663.1	663.4	663.6
145°	699.3	699.1	698.9	698.5	698.0	697.3	696.6	696.1	696.6	697.3	698.0
147.5°	732.1	732.3	732.4	732.1	731.3	730.6	729.8	729.1	729.8	730.6	731.3
150°	752.1	752.1	752.1	751.7	751.1	750.5	749.8	749.2	749.8	750.5	751.1
152.5°	770.2	770.1	770.0	769.8	769.4	769.0	768.6	768.3	768.6	769.0	769.4
155°	797.1	797.2	797.4	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5
157.5°	820.8	820.8	820.9	821.0	821.2	821.5	821.8	822.1	821.8	821.5	821.2
160°	835.6	835.8	835.8	836.0	836.2	836.3	836.5	836.7	836.5	836.3	836.2
162.5°	847.9	848.0	848.2	848.5	848.9	849.2	849.7	850.1	849.7	849.2	848.9
165°	865.3	865.5	865.9	866.3	866.8	867.2	867.7	868.2	867.7	867.2	866.8
167.5°	879.1	879.1	879.0	879.4	880.1	880.7	881.4	881.9	881.4	880.7	880.1
170°	886.7	886.6	886.4	886.7	887.5	888.3	889.0	889.9	889.0	888.3	887.5
172.5°	892.6	892.5	892.5	892.8	893.4	894.1	894.8	895.4	894.8	894.1	893.4
175°	899.2	899.4	899.6	900.0	900.8	901.5	902.3	903.1	902.3	901.5	900.8
177.5°	902.9	902.9	902.9	903.1	903.8	904.4	905.0	905.6	905.0	904.4	903.8
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	528.1	526.5	524.2	521.0	518.3	515.5	514.7	513.7	515.9	514.1	513.5
5°	510.9	506.1	500.1	493.2	489.2	483.4	482.3	480.0	477.8	477.6	475.3
7.5°	492.5	485.6	477.7	470.7	464.2	457.8	453.6	452.8	449.5	447.5	445.4
10°	480.7	472.2	463.1	456.4	448.8	442.1	437.4	434.8	432.5	430.1	427.8
12.5°	466.8	457.8	450.3	443.0	434.0	429.0	421.2	416.6	416.1	416.1	410.4
15°	450.6	441.7	430.1	419.8	414.9	405.1	400.9	395.5	392.2	388.8	386.2
17.5°	432.1	420.9	411.9	400.1	390.8	383.0	377.4	374.2	369.1	364.4	361.0
20°	420.5	408.7	399.1	386.5	376.4	366.7	362.0	357.6	353.8	349.8	346.0
22.5°	408.7	396.3	384.7	372.5	363.0	352.8	348.3	342.2	338.7	336.4	332.6
25°	390.1	376.7	363.4	351.8	342.0	333.0	327.1	322.3	318.3	316.5	314.1
27.5°	369.9	356.7	343.7	330.5	319.4	312.9	308.1	304.6	302.3	299.9	298.8
30°	357.1	343.3	329.5	317.2	307.0	300.5	296.1	293.6	291.8	290.7	289.5
32.5°	344.1	330.5	315.9	304.7	295.5	289.7	286.3	283.9	283.0	282.7	282.2
35°	323.2	309.4	296.1	286.0	277.3	275.0	272.1	270.8	270.3	271.9	272.6
37.5°	303.0	290.2	277.9	268.2	262.4	259.2	258.2	258.3	259.9	261.2	262.8
40°	290.0	277.5	265.9	257.4	252.0	250.1	249.6	250.7	252.5	254.1	255.9
42.5°	277.3	265.0	254.5	246.6	242.8	240.9	241.2	242.3	244.9	246.8	249.4
45°	257.7	247.4	237.1	230.6	227.5	228.0	228.0	230.0	232.4	235.4	238.3
47.5°	239.1	228.8	220.4	214.9	213.3	212.9	214.1	216.8	220.3	223.9	227.9
50°	226.7	216.8	209.4	204.5	202.7	203.4	205.2	207.6	211.9	216.4	220.6
52.5°	214.0	205.0	198.2	193.7	192.4	193.6	195.4	199.3	203.0	207.8	212.9
55°	194.3	186.7	181.3	178.0	177.6	178.2	180.2	184.5	189.8	195.9	200.8
57.5°	174.7	168.3	163.4	161.2	161.4	162.0	165.3	170.3	176.1	182.5	188.8
60°	161.5	155.7	151.7	149.9	150.1	151.5	155.5	160.1	167.3	173.5	180.2
62.5°	149.0	143.9	140.1	138.5	138.2	141.1	145.0	149.8	156.9	163.9	171.2
65°	128.9	124.9	121.8	120.9	121.6	123.9	128.8	135.2	141.2	148.5	156.2
67.5°	109.3	106.0	103.9	104.2	105.1	108.4	112.4	118.0	124.9	132.5	140.0
70°	96.8	93.7	91.9	92.1	93.5	97.5	101.0	106.6	114.0	121.8	128.0
72.5°	84.0	81.9	80.3	81.2	82.6	85.3	89.8	95.4	101.9	109.1	115.7
75°	64.5	64.5	63.6	64.3	66.3	68.9	72.3	78.0	84.5	90.4	95.7
77.5°	47.8	47.3	47.9	48.7	49.9	53.1	56.9	61.1	65.9	71.7	76.2
80°	36.6	36.9	37.9	39.3	39.7	42.1	46.2	50.0	53.7	58.6	62.9
82.5°	27.5	27.7	28.3	30.0	30.4	33.1	35.6	39.4	42.9	46.2	49.7
85°	15.0	15.0	16.0	16.8	17.8	19.6	21.2	23.5	26.6	28.7	32.1
87.5°	7.5	7.8	8.8	9.3	10.2	11.3	11.9	13.9	14.9	15.9	17.7
90°	9.0	10.5	11.7	12.9	14.1	15.4	16.3	17.2	18.2	19.1	19.7
92.5°	22.8	24.2	25.1	25.9	26.9	27.7	28.3	28.8	29.4	30.0	30.3
95°	47.6	48.8	49.9	51.0	52.1	53.2	53.6	54.1	54.6	55.0	55.2
97.5°	77.8	79.0	80.3	81.5	82.8	84.1	84.6	85.2	85.8	86.3	86.6
100°	100.4	101.4	102.8	104.2	105.7	107.1	107.4	107.6	107.9	108.3	108.4
102.5°	124.7	125.5	126.7	128.0	129.2	130.5	131.0	131.4	131.9	132.2	132.5
105°	163.6	164.0	164.7	165.2	165.9	166.5	166.9	167.4	167.9	168.3	168.8
107.5°	205.0	205.2	205.3	205.4	205.5	205.6	205.9	206.4	206.8	207.3	207.5
110°	233.5	233.6	233.4	233.3	233.1	232.9	232.6	232.3	232.1	231.7	231.8



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	261.6	261.5	261.2	260.9	260.6	260.3	260.3	260.2	260.1	260.1	260.1
115°	305.0	304.8	304.5	304.3	303.9	303.6	303.4	303.3	303.1	302.9	302.8
117.5°	346.7	346.6	346.4	346.2	345.9	345.7	345.2	344.7	344.1	343.6	343.2
120°	376.1	376.1	375.7	375.2	374.8	374.3	373.4	372.7	371.9	371.2	370.9
122.5°	403.1	403.1	402.9	402.7	402.5	402.3	401.7	401.1	400.7	400.1	399.5
125°	444.2	444.1	443.9	443.8	443.7	443.5	443.2	442.9	442.6	442.2	442.0
127.5°	484.3	484.4	484.1	483.9	483.6	483.4	483.1	482.8	482.5	482.1	481.8
130°	511.1	511.3	511.3	511.3	511.3	511.3	511.0	510.8	510.4	510.1	509.6
132.5°	538.1	538.2	538.0	537.9	537.8	537.6	537.3	537.1	536.8	536.4	536.1
135°	576.6	577.1	577.1	577.1	577.1	577.1	576.8	576.5	576.2	575.9	575.5
137.5°	614.2	614.4	614.7	614.9	615.2	615.5	615.0	614.6	614.3	613.9	613.7
140°	639.9	640.1	640.1	640.1	640.1	640.1	639.9	639.8	639.6	639.4	639.3
142.5°	664.0	664.1	663.9	663.8	663.7	663.5	663.5	663.5	663.5	663.5	663.5
145°	698.5	698.9	699.1	699.3	699.4	699.6	699.4	699.3	699.1	698.9	698.6
147.5°	732.1	732.4	732.3	732.1	732.0	731.9	731.7	731.6	731.5	731.3	731.2
150°	751.7	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.0
152.5°	769.8	770.0	770.1	770.2	770.3	770.4	770.8	771.2	771.6	771.9	771.9
155°	797.5	797.4	797.2	797.1	796.9	796.8	797.4	798.1	798.6	799.3	799.3
157.5°	821.0	820.9	820.8	820.8	820.8	820.7	821.1	821.6	822.1	822.6	822.6
160°	836.0	835.8	835.8	835.6	835.4	835.3	835.8	836.2	836.7	837.2	837.0
162.5°	848.5	848.2	848.0	847.9	847.7	847.5	848.4	849.2	850.1	850.9	850.9
165°	866.3	865.9	865.5	865.3	865.0	864.6	865.5	866.5	867.4	868.4	868.6
167.5°	879.4	879.0	879.1	879.1	879.1	879.2	880.1	881.1	881.9	882.9	882.9
170°	886.7	886.4	886.6	886.7	886.8	887.0	888.0	888.9	889.9	890.8	890.7
172.5°	892.8	892.5	892.5	892.6	892.6	892.6	893.7	894.8	895.8	896.8	896.8
175°	900.0	899.6	899.4	899.2	899.1	898.9	900.0	901.1	902.2	903.2	903.2
177.5°	903.1	902.9	902.9	902.9	902.9	902.9	903.7	904.6	905.4	906.3	906.3
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	513.1	512.8	511.5	511.3	511.5	512.8	513.1	513.5	514.1	515.9	513.7
5°	474.0	472.9	472.2	474.7	472.2	472.9	474.0	475.3	477.6	477.8	480.0
7.5°	444.5	443.7	441.7	441.0	441.7	443.7	444.5	445.4	447.5	449.5	452.8
10°	425.7	424.7	422.9	422.4	422.9	424.7	425.7	427.8	430.1	432.5	434.8
12.5°	407.4	405.7	405.3	405.8	405.3	405.7	407.4	410.4	416.1	416.1	416.6
15°	383.2	382.3	379.8	380.6	379.8	382.3	383.2	386.2	388.8	392.2	395.5
17.5°	359.4	358.4	355.3	358.0	355.3	358.4	359.4	361.0	364.4	369.1	374.2
20°	344.4	342.6	341.1	340.8	341.1	342.6	344.4	346.0	349.8	353.8	357.6
22.5°	330.2	328.6	328.4	327.0	328.4	328.6	330.2	332.6	336.4	338.7	342.2
25°	312.3	310.8	310.3	309.2	310.3	310.8	312.3	314.1	316.5	318.3	322.3
27.5°	298.6	297.8	297.0	297.4	297.0	297.8	298.6	298.8	299.9	302.3	304.6
30°	290.2	290.0	289.5	289.5	289.5	290.0	290.2	289.5	290.7	291.8	293.6
32.5°	283.2	283.2	283.5	283.5	283.5	283.2	283.2	282.2	282.7	283.0	283.9
35°	273.5	274.2	274.6	273.9	274.6	274.2	273.5	272.6	271.9	270.3	270.8
37.5°	264.7	265.3	266.0	266.7	266.0	265.3	264.7	262.8	261.2	259.9	258.3
40°	257.9	259.4	259.9	261.0	259.9	259.4	257.9	255.9	254.1	252.5	250.7
42.5°	251.5	253.2	254.3	254.6	254.3	253.2	251.5	249.4	246.8	244.9	242.3
45°	241.6	243.4	245.0	245.0	245.0	243.4	241.6	238.3	235.4	232.4	230.0
47.5°	231.4	233.9	235.5	235.9	235.5	233.9	231.4	227.9	223.9	220.3	216.8
50°	224.4	227.5	229.1	230.2	229.1	227.5	224.4	220.6	216.4	211.9	207.6
52.5°	217.6	220.7	222.8	223.4	222.8	220.7	217.6	212.9	207.8	203.0	199.3
55°	205.9	210.4	212.8	213.7	212.8	210.4	205.9	200.8	195.9	189.8	184.5
57.5°	194.8	199.0	201.8	202.5	201.8	199.0	194.8	188.8	182.5	176.1	170.3
60°	186.2	190.8	194.3	194.9	194.3	190.8	186.2	180.2	173.5	167.3	160.1
62.5°	177.5	182.2	185.4	187.1	185.4	182.2	177.5	171.2	163.9	156.9	149.8
65°	162.4	167.1	170.2	170.9	170.2	167.1	162.4	156.2	148.5	141.2	135.2
67.5°	145.9	150.6	152.6	153.9	152.6	150.6	145.9	140.0	132.5	124.9	118.0
70°	134.3	138.1	140.3	141.4	140.3	138.1	134.3	128.0	121.8	114.0	106.6
72.5°	121.1	125.1	127.6	127.9	127.6	125.1	121.1	115.7	109.1	101.9	95.4
75°	100.9	104.4	105.8	105.8	105.8	104.4	100.9	95.7	90.4	84.5	78.0
77.5°	79.8	81.6	83.3	83.7	83.3	81.6	79.8	76.2	71.7	65.9	61.1
80°	66.3	67.4	68.7	68.7	68.7	67.4	66.3	62.9	58.6	53.7	50.0
82.5°	52.3	53.3	54.6	54.4	54.6	53.3	52.3	49.7	46.2	42.9	39.4
85°	31.7	33.6	33.5	33.0	33.5	33.6	31.7	32.1	28.7	26.6	23.5
87.5°	18.3	18.6	19.1	19.5	19.1	18.6	18.3	17.7	15.9	14.9	13.9
90°	20.1	20.4	20.6	21.0	20.6	20.4	20.1	19.7	19.1	18.2	17.2
92.5°	30.5	30.7	30.9	31.1	30.9	30.7	30.5	30.3	30.0	29.4	28.8
95°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.0	54.6	54.1
97.5°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.3	85.8	85.2
100°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.3	107.9	107.6
102.5°	132.7	132.8	132.9	133.1	132.9	132.8	132.7	132.5	132.2	131.9	131.4
105°	169.3	169.8	170.2	170.7	170.2	169.8	169.3	168.8	168.3	167.9	167.4
107.5°	207.5	207.5	207.4	207.4	207.4	207.5	207.5	207.5	207.3	206.8	206.4
110°	232.2	232.7	233.2	233.7	233.2	232.7	232.2	231.8	231.7	232.1	232.3



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	260.2	260.3	260.4	260.5	260.4	260.3	260.2	260.1	260.1	260.1	260.2
115°	302.7	302.6	302.4	302.2	302.4	302.6	302.7	302.8	302.9	303.1	303.3
117.5°	342.9	342.5	342.2	342.0	342.2	342.5	342.9	343.2	343.6	344.1	344.7
120°	371.3	371.6	371.8	372.1	371.8	371.6	371.3	370.9	371.2	371.9	372.7
122.5°	399.0	398.4	397.9	397.4	397.9	398.4	399.0	399.5	400.1	400.7	401.1
125°	441.7	441.3	441.0	440.7	441.0	441.3	441.7	442.0	442.2	442.6	442.9
127.5°	481.6	481.4	481.1	480.9	481.1	481.4	481.6	481.8	482.1	482.5	482.8
130°	509.1	508.4	507.7	507.2	507.7	508.4	509.1	509.6	510.1	510.4	510.8
132.5°	535.9	535.6	535.4	535.2	535.4	535.6	535.9	536.1	536.4	536.8	537.1
135°	575.0	574.6	574.1	573.6	574.1	574.6	575.0	575.5	575.9	576.2	576.5
137.5°	613.8	613.9	614.0	614.1	614.0	613.9	613.8	613.7	613.9	614.3	614.6
140°	639.1	638.9	638.9	638.7	638.9	638.9	639.1	639.3	639.4	639.6	639.8
142.5°	663.4	663.4	663.4	663.3	663.4	663.4	663.4	663.5	663.5	663.5	663.5
145°	698.1	697.7	697.2	696.7	697.2	697.7	698.1	698.6	698.9	699.1	699.3
147.5°	731.0	730.9	730.8	730.6	730.8	730.9	731.0	731.2	731.3	731.5	731.6
150°	751.8	751.6	751.5	751.3	751.5	751.6	751.8	752.0	752.1	752.1	752.1
152.5°	771.6	771.2	770.7	770.3	770.7	771.2	771.6	771.9	771.9	771.6	771.2
155°	798.6	798.1	797.4	796.8	797.4	798.1	798.6	799.3	799.3	798.6	798.1
157.5°	822.0	821.5	821.0	820.4	821.0	821.5	822.0	822.6	822.6	822.1	821.6
160°	836.2	835.4	834.6	833.9	834.6	835.4	836.2	837.0	837.2	836.7	836.2
162.5°	850.2	849.4	848.7	847.8	848.7	849.4	850.2	850.9	850.9	850.1	849.2
165°	867.9	867.2	866.7	866.0	866.7	867.2	867.9	868.6	868.4	867.4	866.5
167.5°	881.9	881.0	880.1	879.0	880.1	881.0	881.9	882.9	882.9	881.9	881.1
170°	889.6	888.5	887.4	886.4	887.4	888.5	889.6	890.7	890.8	889.9	888.9
172.5°	895.7	894.7	893.5	892.5	893.5	894.7	895.7	896.8	896.8	895.8	894.8
175°	902.2	901.1	900.0	898.9	900.0	901.1	902.2	903.2	903.2	902.2	901.1
177.5°	905.2	904.3	903.2	902.3	903.2	904.3	905.2	906.3	906.3	905.4	904.6
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	514.7	515.5	518.3	521.0	524.2	526.5	528.1	529.9	533.7	536.7	539.6
5°	482.3	483.4	489.2	493.2	500.1	506.1	510.9	515.9	522.0	530.3	537.8
7.5°	453.6	457.8	464.2	470.7	477.7	485.6	492.5	500.2	510.6	522.0	533.7
10°	437.4	442.1	448.8	456.4	463.1	472.2	480.7	489.8	501.7	515.5	529.3
12.5°	421.2	429.0	434.0	443.0	450.3	457.8	466.8	478.8	492.6	507.1	523.8
15°	400.9	405.1	414.9	419.8	430.1	441.7	450.6	462.6	476.0	495.2	514.0
17.5°	377.4	383.0	390.8	400.1	411.9	420.9	432.1	444.5	461.4	480.4	503.9
20°	362.0	366.7	376.4	386.5	399.1	408.7	420.5	432.5	450.0	470.2	494.7
22.5°	348.3	352.8	363.0	372.5	384.7	396.3	408.7	422.7	439.4	460.8	485.9
25°	327.1	333.0	342.0	351.8	363.4	376.7	390.1	402.7	420.5	443.0	469.8
27.5°	308.1	312.9	319.4	330.5	343.7	356.7	369.9	385.7	402.8	426.7	454.4
30°	296.1	300.5	307.0	317.2	329.5	343.3	357.1	372.3	390.1	413.8	442.1
32.5°	286.3	289.7	295.5	304.7	315.9	330.5	344.1	359.8	378.5	401.8	429.4
35°	272.1	275.0	277.3	286.0	296.1	309.4	323.2	340.0	358.1	380.1	407.7
37.5°	258.2	259.2	262.4	268.2	277.9	290.2	303.0	319.5	338.0	360.4	385.4
40°	249.6	250.1	252.0	257.4	265.9	277.5	290.0	306.2	323.9	345.1	369.9
42.5°	241.2	240.9	242.8	246.6	254.5	265.0	277.3	292.2	309.8	329.4	352.7
45°	228.0	228.0	227.5	230.6	237.1	247.4	257.7	271.9	286.6	305.9	325.5
47.5°	214.1	212.9	213.3	214.9	220.4	228.8	239.1	250.8	263.8	280.0	297.3
50°	205.2	203.4	202.7	204.5	209.4	216.8	226.7	236.9	249.2	263.4	278.1
52.5°	195.4	193.6	192.4	193.7	198.2	205.0	214.0	223.0	234.0	245.6	258.4
55°	180.2	178.2	177.6	178.0	181.3	186.7	194.3	202.6	210.8	220.4	229.3
57.5°	165.3	162.0	161.4	161.2	163.4	168.3	174.7	181.8	187.8	193.7	203.2
60°	155.5	151.5	150.1	149.9	151.7	155.7	161.5	168.6	172.9	176.9	185.1
62.5°	145.0	141.1	138.2	138.5	140.1	143.9	149.0	154.2	157.0	161.4	166.9
65°	128.8	123.9	121.6	120.9	121.8	124.9	128.9	132.2	135.4	137.2	142.5
67.5°	112.4	108.4	105.1	104.2	103.9	106.0	109.3	111.3	113.6	115.1	118.3
70°	101.0	97.5	93.5	92.1	91.9	93.7	96.8	97.1	100.2	100.9	104.2
72.5°	89.8	85.3	82.6	81.2	80.3	81.9	84.0	84.5	86.2	87.5	89.2
75°	72.3	68.9	66.3	64.3	63.6	64.5	64.5	65.6	66.7	67.4	69.4
77.5°	56.9	53.1	49.9	48.7	47.9	47.3	47.8	48.5	48.0	49.1	49.6
80°	46.2	42.1	39.7	39.3	37.9	36.9	36.6	37.2	36.4	36.9	38.2
82.5°	35.6	33.1	30.4	30.0	28.3	27.7	27.5	27.1	27.1	27.0	27.2
85°	21.2	19.6	17.8	16.8	16.0	15.0	15.0	14.5	14.0	13.6	13.9
87.5°	11.9	11.3	10.2	9.3	8.8	7.8	7.5	6.6	6.1	5.6	5.1
90°	16.3	15.4	14.1	12.9	11.7	10.5	9.0	7.3	5.6	3.8	2.1
92.5°	28.3	27.7	26.9	25.9	25.1	24.2	22.8	20.8	18.9	17.0	15.0
95°	53.6	53.2	52.1	51.0	49.9	48.8	47.6	46.2	44.8	43.4	41.9
97.5°	84.6	84.1	82.8	81.5	80.3	79.0	77.8	76.6	75.6	74.5	73.3
100°	107.4	107.1	105.7	104.2	102.8	101.4	100.4	99.8	99.2	98.6	97.9
102.5°	131.0	130.5	129.2	128.0	126.7	125.5	124.7	124.4	124.1	123.9	123.7
105°	166.9	166.5	165.9	165.2	164.7	164.0	163.6	163.4	163.3	163.2	163.0
107.5°	205.9	205.6	205.5	205.4	205.3	205.2	205.0	204.8	204.6	204.4	204.2
110°	232.6	232.9	233.1	233.3	233.4	233.6	233.5	233.2	232.9	232.5	232.2



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.3	260.3	260.6	260.9	261.2	261.5	261.6	261.6	261.5	261.4	261.4
115°	303.4	303.6	303.9	304.3	304.5	304.8	305.0	305.0	305.0	305.0	305.0
117.5°	345.2	345.7	345.9	346.2	346.4	346.6	346.7	346.5	346.4	346.3	346.1
120°	373.4	374.3	374.8	375.2	375.7	376.1	376.1	375.4	374.8	374.2	373.5
122.5°	401.7	402.3	402.5	402.7	402.9	403.1	403.1	402.8	402.6	402.4	402.1
125°	443.2	443.5	443.7	443.8	443.9	444.1	444.2	444.2	444.2	444.2	444.2
127.5°	483.1	483.4	483.6	483.9	484.1	484.4	484.3	483.8	483.3	482.9	482.4
130°	511.0	511.3	511.3	511.3	511.3	511.3	511.1	510.7	510.2	509.7	509.3
132.5°	537.3	537.6	537.8	537.9	538.0	538.2	538.1	537.7	537.3	537.1	536.7
135°	576.8	577.1	577.1	577.1	577.1	577.1	576.6	575.7	574.8	573.8	573.0
137.5°	615.0	615.5	615.2	614.9	614.7	614.4	614.2	613.7	613.2	612.8	612.4
140°	639.9	640.1	640.1	640.1	640.1	640.1	639.9	639.6	639.3	638.9	638.7
142.5°	663.5	663.5	663.7	663.8	663.9	664.1	664.0	663.6	663.4	663.1	662.7
145°	699.4	699.6	699.4	699.3	699.1	698.9	698.5	698.0	697.3	696.6	696.1
147.5°	731.7	731.9	732.0	732.1	732.3	732.4	732.1	731.3	730.6	729.8	729.1
150°	752.1	752.1	752.1	752.1	752.1	752.1	751.7	751.1	750.5	749.8	749.2
152.5°	770.8	770.4	770.3	770.2	770.1	770.0	769.8	769.4	769.0	768.6	768.3
155°	797.4	796.8	796.9	797.1	797.2	797.4	797.5	797.5	797.5	797.5	797.5
157.5°	821.1	820.7	820.8	820.8	820.8	820.9	821.0	821.2	821.5	821.8	822.1
160°	835.8	835.3	835.4	835.6	835.8	835.8	836.0	836.2	836.3	836.5	836.7
162.5°	848.4	847.5	847.7	847.9	848.0	848.2	848.5	848.9	849.2	849.7	850.1
165°	865.5	864.6	865.0	865.3	865.5	865.9	866.3	866.8	867.2	867.7	868.2
167.5°	880.1	879.2	879.1	879.1	879.1	879.0	879.4	880.1	880.7	881.4	881.9
170°	888.0	887.0	886.8	886.7	886.6	886.4	886.7	887.5	888.3	889.0	889.9
172.5°	893.7	892.6	892.6	892.6	892.5	892.5	892.8	893.4	894.1	894.8	895.4
175°	900.0	898.9	899.1	899.2	899.4	899.6	900.0	900.8	901.5	902.3	903.1
177.5°	903.7	902.9	902.9	902.9	902.9	902.9	903.1	903.8	904.4	905.0	905.6
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	542.1	543.8	546.2	550.1	551.5	553.3	555.8	555.6	556.3	559.0	564.7
5°	544.0	551.0	557.7	565.7	574.2	579.8	587.3	592.0	596.7	602.8	613.0
7.5°	544.9	555.8	568.1	582.2	594.7	609.2	620.5	631.1	640.7	653.4	665.6
10°	543.7	558.4	574.2	592.0	611.0	627.1	641.6	658.1	672.1	687.5	701.3
12.5°	541.3	559.0	580.2	600.2	622.4	646.1	664.2	680.9	699.6	717.3	738.7
15°	536.0	560.3	585.1	611.4	641.1	668.5	694.7	716.2	736.3	762.9	790.8
17.5°	529.3	555.5	586.8	618.7	649.7	681.0	713.3	745.8	771.2	804.2	826.0
20°	523.1	553.5	585.6	623.5	654.5	693.5	725.7	757.1	791.9	824.7	850.8
22.5°	514.3	547.5	581.6	619.3	660.2	699.3	736.3	770.4	805.3	840.9	872.5
25°	503.2	533.4	573.7	616.5	657.1	699.6	742.2	784.9	822.5	860.2	889.6
27.5°	484.4	522.4	560.0	604.2	649.2	697.2	742.8	787.6	826.9	857.9	876.1
30°	474.7	507.7	548.6	593.0	641.8	693.3	740.8	784.8	821.3	846.1	853.5
32.5°	460.4	494.5	534.4	580.4	632.2	685.1	734.5	776.0	806.5	819.5	810.7
35°	439.2	470.0	510.4	557.4	611.2	667.6	716.5	751.5	767.1	754.9	724.3
37.5°	413.8	444.3	484.8	531.1	586.7	644.1	688.2	713.5	708.3	677.8	632.3
40°	396.0	424.5	463.1	513.0	567.2	624.8	663.6	677.2	663.0	619.3	570.8
42.5°	376.2	404.0	442.7	491.0	548.4	601.4	635.3	636.4	612.5	560.2	511.6
45°	346.0	372.5	409.1	459.3	512.4	562.3	584.7	573.7	529.5	479.2	430.3
47.5°	316.2	339.2	375.3	422.9	473.3	515.4	526.5	506.8	459.8	410.8	365.5
50°	294.5	317.6	351.6	397.1	445.7	482.0	487.4	461.3	415.1	365.8	330.4
52.5°	273.5	296.6	329.2	371.4	415.8	448.7	448.8	418.7	372.7	328.8	295.8
55°	242.9	263.6	293.1	330.8	370.5	396.2	389.9	358.7	318.8	280.6	251.8
57.5°	213.4	231.5	258.5	290.0	325.0	346.2	335.8	305.8	270.1	237.7	215.9
60°	194.3	211.5	234.7	264.4	293.8	310.3	300.5	273.2	240.4	214.3	195.4
62.5°	175.7	190.2	212.5	238.3	265.6	277.8	269.1	242.2	213.9	190.3	174.8
65°	149.5	161.3	179.1	201.2	221.0	231.6	224.2	199.2	177.6	160.6	148.4
67.5°	124.9	134.1	147.7	165.4	182.3	187.9	181.3	163.8	145.5	132.0	123.3
70°	107.9	116.7	128.0	141.7	156.4	162.4	155.7	141.9	127.0	114.4	105.9
72.5°	93.1	99.9	109.5	121.1	132.6	138.6	134.1	120.8	108.2	98.9	91.7
75°	71.0	76.7	83.4	91.7	100.6	104.6	100.6	91.4	82.8	75.9	70.7
77.5°	51.6	54.7	59.9	66.1	71.6	74.6	71.2	65.0	59.7	55.0	52.4
80°	39.3	41.5	45.1	50.0	53.7	56.6	54.4	49.3	45.1	41.9	40.8
82.5°	28.6	30.1	32.4	36.0	38.5	40.1	39.1	35.3	33.6	30.9	29.8
85°	14.0	15.0	16.5	17.6	19.9	20.1	20.3	18.8	17.2	16.5	15.6
87.5°	5.6	6.1	7.0	7.8	8.9	9.3	9.3	9.6	9.1	9.1	8.7
90°	3.8	5.6	7.3	9.0	10.5	11.7	12.9	14.1	15.4	16.3	17.2
92.5°	17.0	18.9	20.8	22.8	24.2	25.1	25.9	26.9	27.7	28.3	28.8
95°	43.4	44.8	46.2	47.6	48.8	49.9	51.0	52.1	53.2	53.6	54.1
97.5°	74.5	75.6	76.6	77.8	79.0	80.3	81.5	82.8	84.1	84.6	85.2
100°	98.6	99.2	99.8	100.4	101.4	102.8	104.2	105.7	107.1	107.4	107.6
102.5°	123.9	124.1	124.4	124.7	125.5	126.7	128.0	129.2	130.5	131.0	131.4
105°	163.2	163.3	163.4	163.6	164.0	164.7	165.2	165.9	166.5	166.9	167.4
107.5°	204.4	204.6	204.8	205.0	205.2	205.3	205.4	205.5	205.6	205.9	206.4
110°	232.5	232.9	233.2	233.5	233.6	233.4	233.3	233.1	232.9	232.6	232.3



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	261.4	261.5	261.6	261.6	261.5	261.2	260.9	260.6	260.3	260.3	260.2
115°	305.0	305.0	305.0	305.0	304.8	304.5	304.3	303.9	303.6	303.4	303.3
117.5°	346.3	346.4	346.5	346.7	346.6	346.4	346.2	345.9	345.7	345.2	344.7
120°	374.2	374.8	375.4	376.1	376.1	375.7	375.2	374.8	374.3	373.4	372.7
122.5°	402.4	402.6	402.8	403.1	403.1	402.9	402.7	402.5	402.3	401.7	401.1
125°	444.2	444.2	444.2	444.2	444.1	443.9	443.8	443.7	443.5	443.2	442.9
127.5°	482.9	483.3	483.8	484.3	484.4	484.1	483.9	483.6	483.4	483.1	482.8
130°	509.7	510.2	510.7	511.1	511.3	511.3	511.3	511.3	511.3	511.0	510.8
132.5°	537.1	537.3	537.7	538.1	538.2	538.0	537.9	537.8	537.6	537.3	537.1
135°	573.8	574.8	575.7	576.6	577.1	577.1	577.1	577.1	577.1	576.8	576.5
137.5°	612.8	613.2	613.7	614.2	614.4	614.7	614.9	615.2	615.5	615.0	614.6
140°	638.9	639.3	639.6	639.9	640.1	640.1	640.1	640.1	640.1	639.9	639.8
142.5°	663.1	663.4	663.6	664.0	664.1	663.9	663.8	663.7	663.5	663.5	663.5
145°	696.6	697.3	698.0	698.5	698.9	699.1	699.3	699.4	699.6	699.4	699.3
147.5°	729.8	730.6	731.3	732.1	732.4	732.3	732.1	732.0	731.9	731.7	731.6
150°	749.8	750.5	751.1	751.7	752.1	752.1	752.1	752.1	752.1	752.1	752.1
152.5°	768.6	769.0	769.4	769.8	770.0	770.1	770.2	770.3	770.4	770.8	771.2
155°	797.5	797.5	797.5	797.5	797.4	797.2	797.1	796.9	796.8	797.4	798.1
157.5°	821.8	821.5	821.2	821.0	820.9	820.8	820.8	820.8	820.7	821.1	821.6
160°	836.5	836.3	836.2	836.0	835.8	835.8	835.6	835.4	835.3	835.8	836.2
162.5°	849.7	849.2	848.9	848.5	848.2	848.0	847.9	847.7	847.5	848.4	849.2
165°	867.7	867.2	866.8	866.3	865.9	865.5	865.3	865.0	864.6	865.5	866.5
167.5°	881.4	880.7	880.1	879.4	879.0	879.1	879.1	879.1	879.2	880.1	881.1
170°	889.0	888.3	887.5	886.7	886.4	886.6	886.7	886.8	887.0	888.0	888.9
172.5°	894.8	894.1	893.4	892.8	892.5	892.5	892.6	892.6	892.6	893.7	894.8
175°	902.3	901.5	900.8	900.0	899.6	899.4	899.2	899.1	898.9	900.0	901.1
177.5°	905.0	904.4	903.8	903.1	902.9	902.9	902.9	902.9	902.9	903.7	904.6
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	567.6	568.0	569.6	570.8	571.2	573.0	573.1
5°	617.5	621.2	628.6	629.2	630.4	636.2	631.7
7.5°	675.9	685.5	691.9	697.7	699.6	702.2	701.7
10°	713.4	727.6	734.8	746.2	746.6	749.5	747.7
12.5°	751.0	767.6	780.6	782.8	792.3	793.8	796.3
15°	804.4	822.0	840.1	846.6	859.7	862.8	867.7
17.5°	854.5	872.5	885.2	901.9	907.4	914.5	909.6
20°	882.0	901.6	917.8	930.9	936.4	940.5	940.0
22.5°	898.6	918.4	931.4	941.4	946.6	948.3	948.2
25°	909.0	920.4	924.4	928.2	922.4	920.4	921.2
27.5°	880.1	877.1	866.7	852.9	838.7	827.4	821.1
30°	840.3	822.9	807.1	779.4	765.2	756.7	749.0
32.5°	783.9	756.3	725.9	700.5	684.3	671.8	669.9
35°	687.3	645.8	608.5	577.5	561.5	547.9	544.7
37.5°	584.3	541.2	507.7	480.3	463.1	453.5	444.5
40°	515.9	478.9	445.9	422.7	409.5	402.7	397.1
42.5°	463.4	429.5	396.6	379.0	367.1	362.9	359.6
45°	390.6	359.1	336.4	323.0	316.1	309.0	305.6
47.5°	332.3	306.8	291.8	280.4	273.0	268.7	266.6
50°	299.4	278.4	265.0	256.3	249.6	246.3	244.5
52.5°	270.1	252.9	241.7	234.7	230.2	227.7	227.0
55°	232.6	219.5	212.4	206.3	203.0	200.8	199.9
57.5°	202.3	192.1	186.3	181.3	180.0	178.2	177.6
60°	182.3	174.5	169.6	166.2	165.0	162.9	163.2
62.5°	164.6	158.2	154.0	152.1	150.6	148.7	149.4
65°	139.2	134.5	132.2	130.5	128.8	127.6	128.5
67.5°	116.8	113.6	110.6	109.5	108.7	108.5	107.5
70°	102.2	99.5	96.8	96.1	96.1	95.3	95.0
72.5°	88.0	86.1	84.4	83.8	83.1	83.5	82.6
75°	68.1	66.4	65.8	65.1	64.9	64.9	64.3
77.5°	50.2	49.1	48.1	48.1	47.2	46.9	46.8
80°	38.2	37.7	36.9	36.9	36.4	36.6	36.1
82.5°	28.7	28.1	27.9	27.5	26.9	27.0	26.5
85°	15.4	14.7	14.5	13.9	13.4	13.9	13.4
87.5°	9.0	9.0	9.0	8.7	8.6	8.6	8.1
90°	18.2	19.1	19.7	20.1	20.4	20.6	21.0
92.5°	29.4	30.0	30.3	30.5	30.7	30.9	31.1
95°	54.6	55.0	55.2	55.2	55.2	55.2	55.2
97.5°	85.8	86.3	86.6	86.6	86.6	86.6	86.6
100°	107.9	108.3	108.4	108.4	108.4	108.4	108.4
102.5°	131.9	132.2	132.5	132.7	132.8	132.9	133.1
105°	167.9	168.3	168.8	169.3	169.8	170.2	170.7
107.5°	206.8	207.3	207.5	207.5	207.5	207.4	207.4
110°	232.1	231.7	231.8	232.2	232.7	233.2	233.7



TEST NUMBER: P332722-830

CATALOG NUMBER: S124DIW-S350D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	260.1	260.1	260.1	260.2	260.3	260.4	260.5
115°	303.1	302.9	302.8	302.7	302.6	302.4	302.2
117.5°	344.1	343.6	343.2	342.9	342.5	342.2	342.0
120°	371.9	371.2	370.9	371.3	371.6	371.8	372.1
122.5°	400.7	400.1	399.5	399.0	398.4	397.9	397.4
125°	442.6	442.2	442.0	441.7	441.3	441.0	440.7
127.5°	482.5	482.1	481.8	481.6	481.4	481.1	480.9
130°	510.4	510.1	509.6	509.1	508.4	507.7	507.2
132.5°	536.8	536.4	536.1	535.9	535.6	535.4	535.2
135°	576.2	575.9	575.5	575.0	574.6	574.1	573.6
137.5°	614.3	613.9	613.7	613.8	613.9	614.0	614.1
140°	639.6	639.4	639.3	639.1	638.9	638.9	638.7
142.5°	663.5	663.5	663.5	663.4	663.4	663.4	663.3
145°	699.1	698.9	698.6	698.1	697.7	697.2	696.7
147.5°	731.5	731.3	731.2	731.0	730.9	730.8	730.6
150°	752.1	752.1	752.0	751.8	751.6	751.5	751.3
152.5°	771.6	771.9	771.9	771.6	771.2	770.7	770.3
155°	798.6	799.3	799.3	798.6	798.1	797.4	796.8
157.5°	822.1	822.6	822.6	822.0	821.5	821.0	820.4
160°	836.7	837.2	837.0	836.2	835.4	834.6	833.9
162.5°	850.1	850.9	850.9	850.2	849.4	848.7	847.8
165°	867.4	868.4	868.6	867.9	867.2	866.7	866.0
167.5°	881.9	882.9	882.9	881.9	881.0	880.1	879.0
170°	889.9	890.8	890.7	889.6	888.5	887.4	886.4
172.5°	895.8	896.8	896.8	895.7	894.7	893.5	892.5
175°	902.2	903.2	903.2	902.2	901.1	900.0	898.9
177.5°	905.4	906.3	906.3	905.2	904.3	903.2	902.3
180°	904.5	904.5	904.5	904.5	904.5	904.5	904.5

(END OF REPORT)