

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: P333640-840

Luminaire Tested: **S125RDIW-S375D470U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333640-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S375D470U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3366.5 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

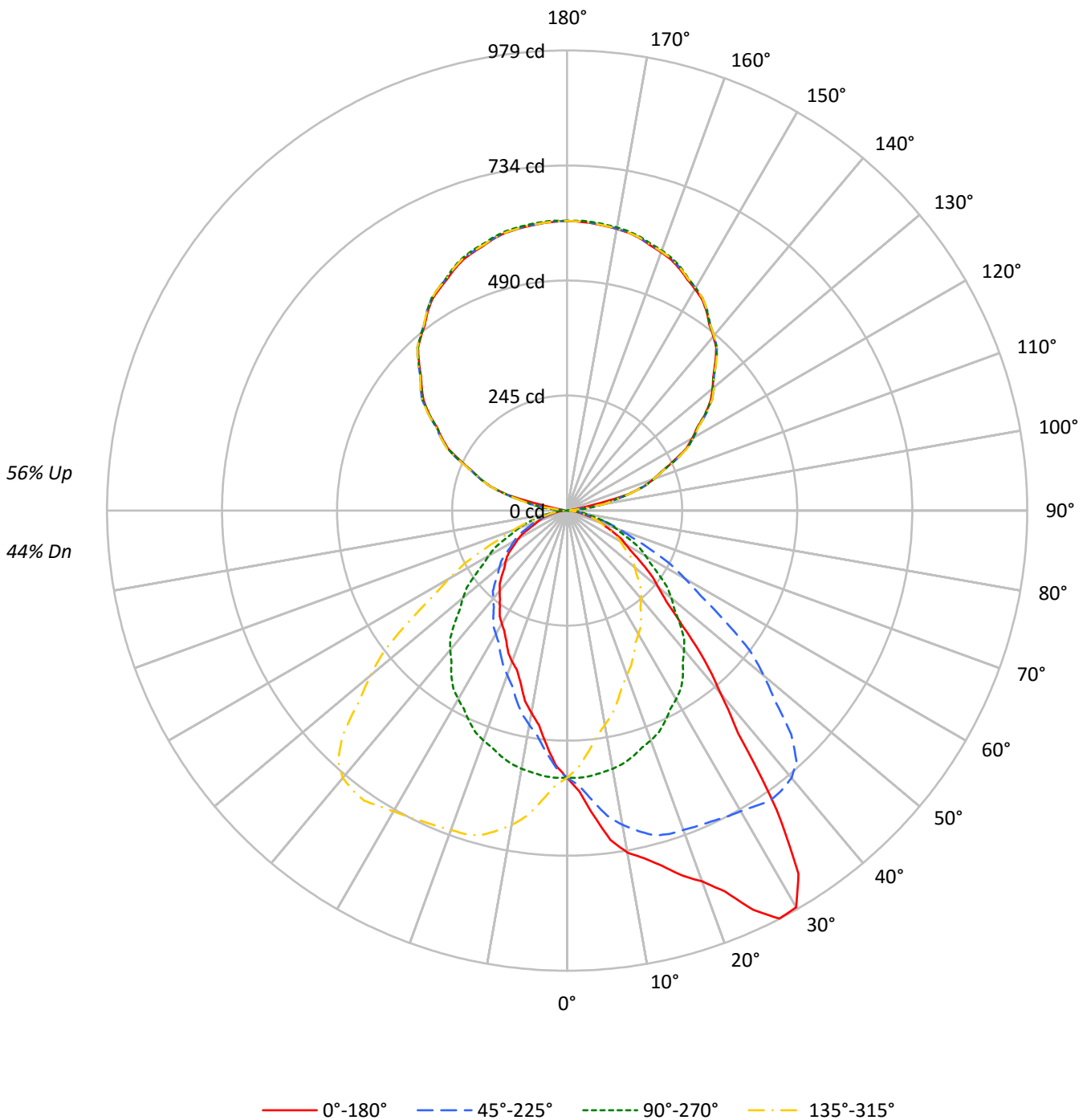
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44				
1	97	93	89	86	88	85	82	79	71	68	66	57	56	54	45	44	43	38				
2	88	81	75	70	81	75	70	65	62	59	55	51	48	46	40	38	37	32				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

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

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	1.6
10°-20°	159.7	4.7
20°-30°	253.3	7.5
30°-40°	305.4	9.1
40°-50°	272.8	8.1
50°-60°	209.2	6.2
60°-70°	135.9	4.0
70°-80°	66.1	2.0
80°-90°	17.1	0.5
90°-100°	22.4	0.7
100°-110°	138.0	4.1
110°-120°	250.3	7.4
120°-130°	321.3	9.5
130°-140°	345.6	10.3
140°-150°	324.4	9.6
150°-160°	262.4	7.8
160°-170°	169.7	5.0
170°-180°	58.5	1.7
0°-30°	467.5	13.9
0°-40°	773.0	23.0
0°-60°	1254.9	37.3
0°-90°	1474.0	43.8
90°-120°	410.7	12.2
90°-150°	1401.9	41.6
90°-180°	1893.0	56.2
0°-180°	3366.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	11	0	11	0	11	5
95°	10	26	10	26	10	8
105°	136	134	136	134	136	123
115°	250	252	250	252	250	248
125°	359	359	359	359	359	319
135°	446	447	446	447	446	344
145°	517	519	517	519	517	323
155°	567	571	567	571	567	261
165°	599	603	599	603	599	169
175°	614	616	614	616	614	58
180°	616	616	616	616	616	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	6.3	6.1	5.8	5.8	5.9	6.2	5.9	5.6	5.5	5.4	5.5
90°	11.0	10.7	10.4	10.1	9.8	9.3	8.8	8.3	7.8	7.3	6.6
92.5°	10.2	10.1	10.0	9.8	9.7	9.3	8.8	8.3	7.8	7.3	6.7
95°	9.6	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2
97.5°	9.6	9.6	9.6	9.6	9.6	11.0	13.9	16.8	19.6	22.5	30.1
100°	9.6	10.0	10.4	10.8	11.2	19.0	34.1	49.3	64.3	79.5	79.1
102.5°	57.5	64.3	71.3	78.2	85.1	90.0	92.8	95.7	98.6	101.4	101.2
105°	135.7	135.8	135.9	136.0	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.1	171.4	171.7	172.0	172.3	172.4	172.4	172.4	172.4	172.3	172.1
110°	195.5	195.4	195.3	195.2	195.1	195.2	195.5	195.8	196.1	196.4	196.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	217.4	217.6	217.7	217.9	218.0	218.3	218.6	219.0	219.4	219.8	219.7
115°	250.3	251.0	251.6	252.2	252.8	253.3	253.7	254.1	254.5	254.9	254.8
117.5°	285.5	285.7	286.0	286.2	286.5	286.9	287.4	287.9	288.5	289.0	288.6
120°	307.0	307.5	308.0	308.5	309.0	309.4	309.6	309.8	310.0	310.2	309.9
122.5°	327.5	328.1	328.6	329.2	329.8	330.2	330.4	330.6	330.8	331.0	330.9
125°	358.6	358.9	359.2	359.5	359.8	360.2	360.6	361.0	361.4	361.8	361.8
127.5°	384.9	385.6	386.4	387.1	387.9	388.4	388.6	388.8	389.0	389.2	389.3
130°	403.8	404.3	404.9	405.4	405.9	406.3	406.6	406.9	407.2	407.5	407.4
132.5°	421.4	421.9	422.4	422.9	423.4	423.7	423.7	423.8	423.9	423.9	424.1
135°	445.5	446.1	446.7	447.3	447.9	448.3	448.5	448.7	448.9	449.1	449.3
137.5°	469.6	470.1	470.6	471.1	471.7	471.9	471.9	471.8	471.8	471.7	471.9
140°	483.8	484.4	485.0	485.6	486.3	486.5	486.3	486.0	485.8	485.6	485.7
142.5°	497.4	498.0	498.6	499.2	499.8	500.1	500.0	500.0	499.9	499.9	499.8
145°	517.2	517.8	518.4	519.0	519.6	519.9	519.8	519.7	519.6	519.5	519.5
147.5°	533.5	534.2	535.0	535.7	536.4	536.7	536.6	536.5	536.3	536.2	536.1
150°	544.1	544.9	545.7	546.5	547.3	547.6	547.4	547.2	547.0	546.8	546.6
152.5°	554.0	554.7	555.4	556.1	556.9	557.1	556.9	556.7	556.5	556.3	556.1
155°	566.9	567.7	568.6	569.4	570.2	570.5	570.2	569.9	569.6	569.3	569.1
157.5°	577.8	578.7	579.5	580.3	581.1	581.3	581.0	580.7	580.4	580.1	580.0
160°	584.8	585.6	586.4	587.2	588.0	588.2	587.8	587.4	587.0	586.6	586.5
162.5°	591.0	591.9	592.8	593.7	594.6	594.7	594.2	593.6	593.0	592.5	592.4
165°	599.4	600.2	601.0	601.9	602.7	602.8	602.2	601.6	600.9	600.3	600.2
167.5°	605.2	606.1	607.0	607.9	608.9	608.9	608.2	607.5	606.8	606.0	605.9
170°	608.5	609.5	610.4	611.3	612.2	612.3	611.5	610.6	609.8	608.9	608.8
172.5°	610.8	611.7	612.6	613.5	614.4	614.5	613.7	613.0	612.3	611.6	611.4
175°	613.6	614.5	615.4	616.3	617.2	617.2	616.4	615.6	614.8	614.0	613.9
177.5°	615.2	615.8	616.5	617.1	617.8	617.8	617.2	616.7	616.1	615.6	615.5
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	5.5	5.4	5.4	5.3	4.8	5.7	6.1	6.1	5.9	5.7	5.5
90°	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.1	5.5	4.7	4.7	5.4	5.9	6.5	7.1	6.5	5.9	5.4
95°	15.0	18.9	22.7	24.8	25.1	25.4	25.8	26.1	25.8	25.4	25.1
97.5°	37.8	45.3	53.0	56.6	56.0	55.4	54.9	54.3	54.9	55.4	56.0
100°	78.7	78.3	77.9	77.6	77.3	77.0	76.6	76.2	76.6	77.0	77.3
102.5°	100.9	100.7	100.5	100.2	99.8	99.4	99.0	98.6	99.0	99.4	99.8
105°	136.1	136.1	136.1	135.9	135.5	135.1	134.7	134.3	134.7	135.1	135.5
107.5°	171.9	171.7	171.5	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
110°	196.0	195.8	195.6	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5





TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	219.6	219.4	219.3	219.1	218.9	218.6	218.4	218.2	218.4	218.6	218.9
115°	254.7	254.6	254.5	254.2	253.7	253.2	252.7	252.2	252.7	253.2	253.7
117.5°	288.2	287.8	287.5	287.3	287.3	287.3	287.3	287.4	287.3	287.3	287.3
120°	309.6	309.3	309.0	308.9	309.0	309.1	309.2	309.3	309.2	309.1	309.0
122.5°	330.7	330.6	330.4	330.2	329.8	329.4	329.0	328.7	329.0	329.4	329.8
125°	361.8	361.8	361.8	361.4	360.7	360.0	359.3	358.6	359.3	360.0	360.7
127.5°	389.4	389.4	389.5	389.3	388.8	388.3	387.8	387.2	387.8	388.3	388.8
130°	407.3	407.2	407.1	406.8	406.3	405.8	405.3	404.8	405.3	405.8	406.3
132.5°	424.4	424.6	424.9	424.6	424.0	423.5	422.9	422.3	422.9	423.5	424.0
135°	449.5	449.7	449.9	449.7	449.1	448.5	447.9	447.3	447.9	448.5	449.1
137.5°	472.1	472.3	472.5	472.3	471.8	471.2	470.7	470.2	470.7	471.2	471.8
140°	485.8	485.9	486.0	485.9	485.7	485.5	485.3	485.1	485.3	485.5	485.7
142.5°	499.6	499.5	499.3	499.2	499.1	499.0	498.9	498.7	498.9	499.0	499.1
145°	519.5	519.5	519.5	519.4	519.2	519.0	518.8	518.6	518.8	519.0	519.2
147.5°	536.0	535.9	535.7	535.7	535.7	535.8	535.8	535.9	535.8	535.8	535.7
150°	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8	546.6	546.4	546.2
152.5°	555.9	555.7	555.5	555.6	556.1	556.5	557.0	557.4	557.0	556.5	556.1
155°	568.9	568.7	568.5	568.7	569.3	569.9	570.5	571.1	570.5	569.9	569.3
157.5°	580.0	580.0	580.0	580.1	580.5	580.9	581.2	581.6	581.2	580.9	580.5
160°	586.4	586.3	586.2	586.4	587.0	587.6	588.2	588.9	588.2	587.6	587.0
162.5°	592.3	592.2	592.1	592.3	592.9	593.5	594.1	594.7	594.1	593.5	592.9
165°	600.1	600.0	599.9	600.2	600.8	601.4	602.0	602.6	602.0	601.4	600.8
167.5°	605.8	605.7	605.6	605.9	606.5	607.2	607.8	608.4	607.8	607.2	606.5
170°	608.7	608.6	608.5	608.8	609.6	610.3	611.1	611.8	611.1	610.3	609.6
172.5°	611.2	611.0	610.9	611.1	611.8	612.5	613.2	613.9	613.2	612.5	611.8
175°	613.8	613.7	613.6	613.9	614.5	615.1	615.7	616.3	615.7	615.1	614.5
177.5°	615.4	615.3	615.2	615.4	615.9	616.4	616.9	617.4	616.9	616.4	615.9
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	5.5	5.6	5.6	6.1	5.7	6.0	6.1	6.0	6.1	6.2	6.1
90°	3.7	4.4	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3	9.8
92.5°	4.7	4.7	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3	9.7
95°	24.8	22.7	18.9	15.0	11.2	7.3	7.8	8.3	8.8	9.3	9.6
97.5°	56.6	53.0	45.3	37.8	30.1	22.5	19.6	16.8	13.9	11.0	9.6
100°	77.6	77.9	78.3	78.7	79.1	79.5	64.3	49.3	34.1	19.0	11.2
102.5°	100.2	100.5	100.7	100.9	101.2	101.4	98.6	95.7	92.8	90.0	85.1
105°	135.9	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.4	171.5	171.7	171.9	172.1	172.3	172.4	172.4	172.4	172.4	172.3
110°	195.5	195.6	195.8	196.0	196.2	196.4	196.1	195.8	195.5	195.2	195.1



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	219.1	219.3	219.4	219.6	219.7	219.8	219.4	219.0	218.6	218.3	218.0
115°	254.2	254.5	254.6	254.7	254.8	254.9	254.5	254.1	253.7	253.3	252.8
117.5°	287.3	287.5	287.8	288.2	288.6	289.0	288.5	287.9	287.4	286.9	286.5
120°	308.9	309.0	309.3	309.6	309.9	310.2	310.0	309.8	309.6	309.4	309.0
122.5°	330.2	330.4	330.6	330.7	330.9	331.0	330.8	330.6	330.4	330.2	329.8
125°	361.4	361.8	361.8	361.8	361.8	361.8	361.4	361.0	360.6	360.2	359.8
127.5°	389.3	389.5	389.4	389.4	389.3	389.2	389.0	388.8	388.6	388.4	387.9
130°	406.8	407.1	407.2	407.3	407.4	407.5	407.2	406.9	406.6	406.3	405.9
132.5°	424.6	424.9	424.6	424.4	424.1	423.9	423.9	423.8	423.7	423.7	423.4
135°	449.7	449.9	449.7	449.5	449.3	449.1	448.9	448.7	448.5	448.3	447.9
137.5°	472.3	472.5	472.3	472.1	471.9	471.7	471.8	471.8	471.9	471.9	471.7
140°	485.9	486.0	485.9	485.8	485.7	485.6	485.8	486.0	486.3	486.5	486.3
142.5°	499.2	499.3	499.5	499.6	499.8	499.9	499.9	500.0	500.0	500.1	499.8
145°	519.4	519.5	519.5	519.5	519.5	519.5	519.6	519.7	519.8	519.9	519.6
147.5°	535.7	535.7	535.9	536.0	536.1	536.2	536.3	536.5	536.6	536.7	536.4
150°	546.0	546.0	546.2	546.4	546.6	546.8	547.0	547.2	547.4	547.6	547.3
152.5°	555.6	555.5	555.7	555.9	556.1	556.3	556.5	556.7	556.9	557.1	556.9
155°	568.7	568.5	568.7	568.9	569.1	569.3	569.6	569.9	570.2	570.5	570.2
157.5°	580.1	580.0	580.0	580.0	580.0	580.1	580.4	580.7	581.0	581.3	581.1
160°	586.4	586.2	586.3	586.4	586.5	586.6	587.0	587.4	587.8	588.2	588.0
162.5°	592.3	592.1	592.2	592.3	592.4	592.5	593.0	593.6	594.2	594.7	594.6
165°	600.2	599.9	600.0	600.1	600.2	600.3	600.9	601.6	602.2	602.8	602.7
167.5°	605.9	605.6	605.7	605.8	605.9	606.0	606.8	607.5	608.2	608.9	608.9
170°	608.8	608.5	608.6	608.7	608.8	608.9	609.8	610.6	611.5	612.3	612.2
172.5°	611.1	610.9	611.0	611.2	611.4	611.6	612.3	613.0	613.7	614.5	614.4
175°	613.9	613.6	613.7	613.8	613.9	614.0	614.8	615.6	616.4	617.2	617.2
177.5°	615.4	615.2	615.3	615.4	615.5	615.6	616.1	616.7	617.2	617.8	617.8
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	6.3	6.2	6.3	6.3	6.3	6.2	6.3	6.1	6.2	6.1	6.0
90°	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.3	8.8	8.3
92.5°	9.8	10.0	10.1	10.2	10.1	10.0	9.8	9.7	9.3	8.8	8.3
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.3	8.8	8.3
97.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	11.0	13.9	16.8
100°	10.8	10.4	10.0	9.6	10.0	10.4	10.8	11.2	19.0	34.1	49.3
102.5°	78.2	71.3	64.3	57.5	64.3	71.3	78.2	85.1	90.0	92.8	95.7
105°	136.0	135.9	135.8	135.7	135.8	135.9	136.0	136.1	136.1	136.1	136.1
107.5°	172.0	171.7	171.4	171.1	171.4	171.7	172.0	172.3	172.4	172.4	172.4
110°	195.2	195.3	195.4	195.5	195.4	195.3	195.2	195.1	195.2	195.5	195.8



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	217.9	217.7	217.6	217.4	217.6	217.7	217.9	218.0	218.3	218.6	219.0
115°	252.2	251.6	251.0	250.3	251.0	251.6	252.2	252.8	253.3	253.7	254.1
117.5°	286.2	286.0	285.7	285.5	285.7	286.0	286.2	286.5	286.9	287.4	287.9
120°	308.5	308.0	307.5	307.0	307.5	308.0	308.5	309.0	309.4	309.6	309.8
122.5°	329.2	328.6	328.1	327.5	328.1	328.6	329.2	329.8	330.2	330.4	330.6
125°	359.5	359.2	358.9	358.6	358.9	359.2	359.5	359.8	360.2	360.6	361.0
127.5°	387.1	386.4	385.6	384.9	385.6	386.4	387.1	387.9	388.4	388.6	388.8
130°	405.4	404.9	404.3	403.8	404.3	404.9	405.4	405.9	406.3	406.6	406.9
132.5°	422.9	422.4	421.9	421.4	421.9	422.4	422.9	423.4	423.7	423.7	423.8
135°	447.3	446.7	446.1	445.5	446.1	446.7	447.3	447.9	448.3	448.5	448.7
137.5°	471.1	470.6	470.1	469.6	470.1	470.6	471.1	471.7	471.9	471.9	471.8
140°	485.6	485.0	484.4	483.8	484.4	485.0	485.6	486.3	486.5	486.3	486.0
142.5°	499.2	498.6	498.0	497.4	498.0	498.6	499.2	499.8	500.1	500.0	500.0
145°	519.0	518.4	517.8	517.2	517.8	518.4	519.0	519.6	519.9	519.8	519.7
147.5°	535.7	535.0	534.2	533.5	534.2	535.0	535.7	536.4	536.7	536.6	536.5
150°	546.5	545.7	544.9	544.1	544.9	545.7	546.5	547.3	547.6	547.4	547.2
152.5°	556.1	555.4	554.7	554.0	554.7	555.4	556.1	556.9	557.1	556.9	556.7
155°	569.4	568.6	567.7	566.9	567.7	568.6	569.4	570.2	570.5	570.2	569.9
157.5°	580.3	579.5	578.7	577.8	578.7	579.5	580.3	581.1	581.3	581.0	580.7
160°	587.2	586.4	585.6	584.8	585.6	586.4	587.2	588.0	588.2	587.8	587.4
162.5°	593.7	592.8	591.9	591.0	591.9	592.8	593.7	594.6	594.7	594.2	593.6
165°	601.9	601.0	600.2	599.4	600.2	601.0	601.9	602.7	602.8	602.2	601.6
167.5°	607.9	607.0	606.1	605.2	606.1	607.0	607.9	608.9	608.9	608.2	607.5
170°	611.3	610.4	609.5	608.5	609.5	610.4	611.3	612.2	612.3	611.5	610.6
172.5°	613.5	612.6	611.7	610.8	611.7	612.6	613.5	614.4	614.5	613.7	613.0
175°	616.3	615.4	614.5	613.6	614.5	615.4	616.3	617.2	617.2	616.4	615.6
177.5°	617.1	616.5	615.8	615.2	615.8	616.5	617.1	617.8	617.8	617.2	616.7
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	6.1	6.0	5.7	6.1	5.6	5.6	5.5	5.5	5.7	5.9	6.1
90°	7.8	7.3	6.6	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	7.8	7.3	6.7	6.1	5.5	4.7	4.7	5.4	5.9	6.5	7.1
95°	7.8	7.3	11.2	15.0	18.9	22.7	24.8	25.1	25.4	25.8	26.1
97.5°	19.6	22.5	30.1	37.8	45.3	53.0	56.6	56.0	55.4	54.9	54.3
100°	64.3	79.5	79.1	78.7	78.3	77.9	77.6	77.3	77.0	76.6	76.2
102.5°	98.6	101.4	101.2	100.9	100.7	100.5	100.2	99.8	99.4	99.0	98.6
105°	136.1	136.1	136.1	136.1	136.1	136.1	135.9	135.5	135.1	134.7	134.3
107.5°	172.4	172.3	172.1	171.9	171.7	171.5	171.4	171.4	171.4	171.4	171.4
110°	196.1	196.4	196.2	196.0	195.8	195.6	195.5	195.5	195.5	195.5	195.5



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	219.4	219.8	219.7	219.6	219.4	219.3	219.1	218.9	218.6	218.4	218.2
115°	254.5	254.9	254.8	254.7	254.6	254.5	254.2	253.7	253.2	252.7	252.2
117.5°	288.5	289.0	288.6	288.2	287.8	287.5	287.3	287.3	287.3	287.3	287.4
120°	310.0	310.2	309.9	309.6	309.3	309.0	308.9	309.0	309.1	309.2	309.3
122.5°	330.8	331.0	330.9	330.7	330.6	330.4	330.2	329.8	329.4	329.0	328.7
125°	361.4	361.8	361.8	361.8	361.8	361.8	361.4	360.7	360.0	359.3	358.6
127.5°	389.0	389.2	389.3	389.4	389.4	389.5	389.3	388.8	388.3	387.8	387.2
130°	407.2	407.5	407.4	407.3	407.2	407.1	406.8	406.3	405.8	405.3	404.8
132.5°	423.9	423.9	424.1	424.4	424.6	424.9	424.6	424.0	423.5	422.9	422.3
135°	448.9	449.1	449.3	449.5	449.7	449.9	449.7	449.1	448.5	447.9	447.3
137.5°	471.8	471.7	471.9	472.1	472.3	472.5	472.3	471.8	471.2	470.7	470.2
140°	485.8	485.6	485.7	485.8	485.9	486.0	485.9	485.7	485.5	485.3	485.1
142.5°	499.9	499.9	499.8	499.6	499.5	499.3	499.2	499.1	499.0	498.9	498.7
145°	519.6	519.5	519.5	519.5	519.5	519.5	519.4	519.2	519.0	518.8	518.6
147.5°	536.3	536.2	536.1	536.0	535.9	535.7	535.7	535.7	535.8	535.8	535.9
150°	547.0	546.8	546.6	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8
152.5°	556.5	556.3	556.1	555.9	555.7	555.5	555.6	556.1	556.5	557.0	557.4
155°	569.6	569.3	569.1	568.9	568.7	568.5	568.7	569.3	569.9	570.5	571.1
157.5°	580.4	580.1	580.0	580.0	580.0	580.0	580.1	580.5	580.9	581.2	581.6
160°	587.0	586.6	586.5	586.4	586.3	586.2	586.4	587.0	587.6	588.2	588.9
162.5°	593.0	592.5	592.4	592.3	592.2	592.1	592.3	592.9	593.5	594.1	594.7
165°	600.9	600.3	600.2	600.1	600.0	599.9	600.2	600.8	601.4	602.0	602.6
167.5°	606.8	606.0	605.9	605.8	605.7	605.6	605.9	606.5	607.2	607.8	608.4
170°	609.8	608.9	608.8	608.7	608.6	608.5	608.8	609.6	610.3	611.1	611.8
172.5°	612.3	611.6	611.4	611.2	611.0	610.9	611.1	611.8	612.5	613.2	613.9
175°	614.8	614.0	613.9	613.8	613.7	613.6	613.9	614.5	615.1	615.7	616.3
177.5°	616.1	615.6	615.5	615.4	615.3	615.2	615.4	615.9	616.4	616.9	617.4
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.1	5.7	4.8	5.3	5.4	5.4	5.5	5.5	5.4	5.5	5.6
90°	1.3	2.1	2.9	3.7	4.4	5.2	5.9	6.6	7.3	7.8	8.3
92.5°	6.5	5.9	5.4	4.7	4.7	5.5	6.1	6.7	7.3	7.8	8.3
95°	25.8	25.4	25.1	24.8	22.7	18.9	15.0	11.2	7.3	7.8	8.3
97.5°	54.9	55.4	56.0	56.6	53.0	45.3	37.8	30.1	22.5	19.6	16.8
100°	76.6	77.0	77.3	77.6	77.9	78.3	78.7	79.1	79.5	64.3	49.3
102.5°	99.0	99.4	99.8	100.2	100.5	100.7	100.9	101.2	101.4	98.6	95.7
105°	134.7	135.1	135.5	135.9	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.4	171.4	171.4	171.4	171.5	171.7	171.9	172.1	172.3	172.4	172.4
110°	195.5	195.5	195.5	195.5	195.6	195.8	196.0	196.2	196.4	196.1	195.8





TEST NUMBER: P333640-840

CATALOG NUMBER: S125RDIW-S375D470U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	218.4	218.6	218.9	219.1	219.3	219.4	219.6	219.7	219.8	219.4	219.0
115°	252.7	253.2	253.7	254.2	254.5	254.6	254.7	254.8	254.9	254.5	254.1
117.5°	287.3	287.3	287.3	287.3	287.5	287.8	288.2	288.6	289.0	288.5	287.9
120°	309.2	309.1	309.0	308.9	309.0	309.3	309.6	309.9	310.2	310.0	309.8
122.5°	329.0	329.4	329.8	330.2	330.4	330.6	330.7	330.9	331.0	330.8	330.6
125°	359.3	360.0	360.7	361.4	361.8	361.8	361.8	361.8	361.8	361.4	361.0
127.5°	387.8	388.3	388.8	389.3	389.5	389.4	389.4	389.3	389.2	389.0	388.8
130°	405.3	405.8	406.3	406.8	407.1	407.2	407.3	407.4	407.5	407.2	406.9
132.5°	422.9	423.5	424.0	424.6	424.9	424.6	424.4	424.1	423.9	423.9	423.8
135°	447.9	448.5	449.1	449.7	449.9	449.7	449.5	449.3	449.1	448.9	448.7
137.5°	470.7	471.2	471.8	472.3	472.5	472.3	472.1	471.9	471.7	471.8	471.8
140°	485.3	485.5	485.7	485.9	486.0	485.9	485.8	485.7	485.6	485.8	486.0
142.5°	498.9	499.0	499.1	499.2	499.3	499.5	499.6	499.8	499.9	499.9	500.0
145°	518.8	519.0	519.2	519.4	519.5	519.5	519.5	519.5	519.5	519.6	519.7
147.5°	535.8	535.8	535.7	535.7	535.7	535.9	536.0	536.1	536.2	536.3	536.5
150°	546.6	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8	547.0	547.2
152.5°	557.0	556.5	556.1	555.6	555.5	555.7	555.9	556.1	556.3	556.5	556.7
155°	570.5	569.9	569.3	568.7	568.5	568.7	568.9	569.1	569.3	569.6	569.9
157.5°	581.2	580.9	580.5	580.1	580.0	580.0	580.0	580.0	580.1	580.4	580.7
160°	588.2	587.6	587.0	586.4	586.2	586.3	586.4	586.5	586.6	587.0	587.4
162.5°	594.1	593.5	592.9	592.3	592.1	592.2	592.3	592.4	592.5	593.0	593.6
165°	602.0	601.4	600.8	600.2	599.9	600.0	600.1	600.2	600.3	600.9	601.6
167.5°	607.8	607.2	606.5	605.9	605.6	605.7	605.8	605.9	606.0	606.8	607.5
170°	611.1	610.3	609.6	608.8	608.5	608.6	608.7	608.8	608.9	609.8	610.6
172.5°	613.2	612.5	611.8	611.1	610.9	611.0	611.2	611.4	611.6	612.3	613.0
175°	615.7	615.1	614.5	613.9	613.6	613.7	613.8	613.9	614.0	614.8	615.6
177.5°	616.9	616.4	615.9	615.4	615.2	615.3	615.4	615.5	615.6	616.1	616.7
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	5.9	6.2	5.9	5.8	5.8	6.1	6.3
90°	8.8	9.3	9.8	10.1	10.4	10.7	11.0
92.5°	8.8	9.3	9.7	9.8	10.0	10.1	10.2
95°	8.8	9.3	9.6	9.6	9.6	9.6	9.6
97.5°	13.9	11.0	9.6	9.6	9.6	9.6	9.6
100°	34.1	19.0	11.2	10.8	10.4	10.0	9.6
102.5°	92.8	90.0	85.1	78.2	71.3	64.3	57.5
105°	136.1	136.1	136.1	136.0	135.9	135.8	135.7
107.5°	172.4	172.4	172.3	172.0	171.7	171.4	171.1
110°	195.5	195.2	195.1	195.2	195.3	195.4	195.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	218.6	218.3	218.0	217.9	217.7	217.6	217.4
115°	253.7	253.3	252.8	252.2	251.6	251.0	250.3
117.5°	287.4	286.9	286.5	286.2	286.0	285.7	285.5
120°	309.6	309.4	309.0	308.5	308.0	307.5	307.0
122.5°	330.4	330.2	329.8	329.2	328.6	328.1	327.5
125°	360.6	360.2	359.8	359.5	359.2	358.9	358.6
127.5°	388.6	388.4	387.9	387.1	386.4	385.6	384.9
130°	406.6	406.3	405.9	405.4	404.9	404.3	403.8
132.5°	423.7	423.7	423.4	422.9	422.4	421.9	421.4
135°	448.5	448.3	447.9	447.3	446.7	446.1	445.5
137.5°	471.9	471.9	471.7	471.1	470.6	470.1	469.6
140°	486.3	486.5	486.3	485.6	485.0	484.4	483.8
142.5°	500.0	500.1	499.8	499.2	498.6	498.0	497.4
145°	519.8	519.9	519.6	519.0	518.4	517.8	517.2
147.5°	536.6	536.7	536.4	535.7	535.0	534.2	533.5
150°	547.4	547.6	547.3	546.5	545.7	544.9	544.1
152.5°	556.9	557.1	556.9	556.1	555.4	554.7	554.0
155°	570.2	570.5	570.2	569.4	568.6	567.7	566.9
157.5°	581.0	581.3	581.1	580.3	579.5	578.7	577.8
160°	587.8	588.2	588.0	587.2	586.4	585.6	584.8
162.5°	594.2	594.7	594.6	593.7	592.8	591.9	591.0
165°	602.2	602.8	602.7	601.9	601.0	600.2	599.4
167.5°	608.2	608.9	608.9	607.9	607.0	606.1	605.2
170°	611.5	612.3	612.2	611.3	610.4	609.5	608.5
172.5°	613.7	614.5	614.4	613.5	612.6	611.7	610.8
175°	616.4	617.2	617.2	616.3	615.4	614.5	613.6
177.5°	617.2	617.8	617.8	617.1	616.5	615.8	615.2
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3

(END OF REPORT)