

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1009786

Luminaire Tested: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009786
REPORT IS A COMBINATION OF REPORTS P988002 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

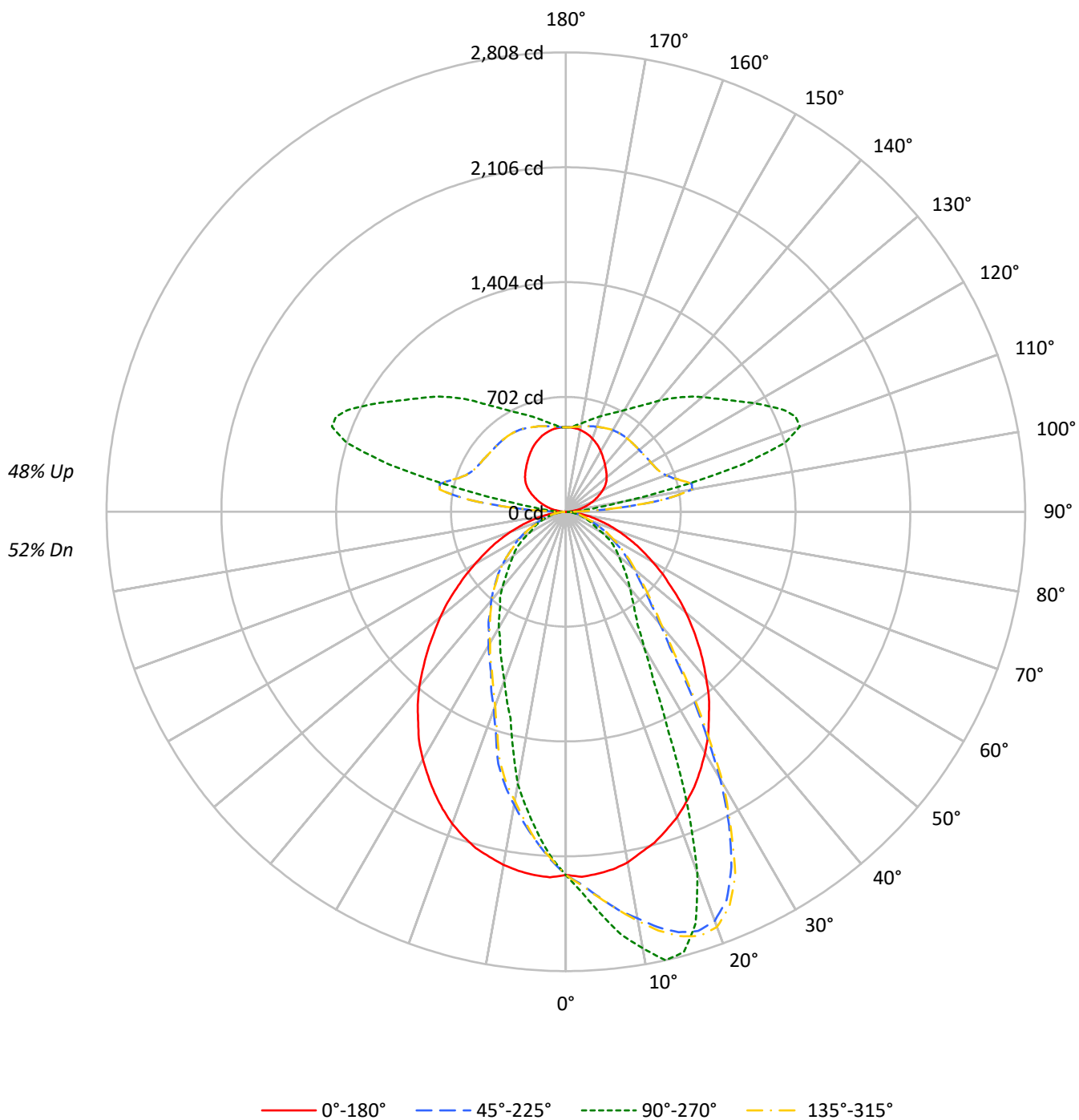
Lumens per Lamp: N/A
Luminaire Lumens: 7433.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 89.8
Input Voltage (V):
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: 24 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	58	58	58
1	99	95	91	88	91	88	85	82	75	73	71	63	62	60	52	51	50	50	50	45
2	91	84	78	73	84	78	73	69	67	63	60	56	54	52	47	45	44	44	44	39
3	83	75	68	62	77	69	63	59	60	55	52	51	47	45	42	40	38	38	38	34
4	77	67	59	53	71	62	56	50	54	49	45	46	42	39	39	36	34	34	34	30
5	71	60	52	46	66	56	49	44	49	43	39	42	38	35	35	32	30	30	30	27
6	66	54	46	41	61	51	44	39	44	39	35	38	34	31	32	29	27	27	27	24
7	61	49	42	36	56	46	39	35	40	35	31	35	31	28	30	27	24	24	24	22
8	57	45	38	32	53	42	36	31	37	32	28	32	28	25	28	25	22	22	22	20
9	53	41	34	29	49	39	32	28	34	29	25	30	26	23	26	23	20	20	20	18
10	50	38	31	27	46	36	30	25	32	27	23	28	24	21	24	21	19	19	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35136	35136	35136	35136
5°	35219	37321	35341	29815
10°	34832	39447	35078	24620
15°	34076	39460	34652	18497
20°	33166	32618	33887	15259
25°	32063	20381	32758	12981
30°	30656	13049	31490	11176
35°	28945	10028	29881	9564
40°	27037	8430	28191	8366
45°	24998	7174	26042	7022
50°	22907	6096	23978	6075
55°	20592	5297	21703	5228
60°	18538	4040	19518	3991
65°	16616	3041	17604	3448
70°	14495	2429	15634	2811
75°	12251	1860	13375	2126
80°	9732	1266	10467	1394
85°	6752	654	7402	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 32142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	2.8
10°-20°	587.7	7.9
20°-30°	756.4	10.2
30°-40°	717.5	9.7
40°-50°	615.0	8.3
50°-60°	468.3	6.3
60°-70°	295.3	4.0
70°-80°	147.3	2.0
80°-90°	41.2	0.6
90°-100°	201.2	2.7
100°-110°	708.4	9.5
110°-120°	744.0	10.0
120°-130°	612.1	8.2
130°-140°	491.7	6.6
140°-150°	371.4	5.0
150°-160°	261.1	3.5
160°-170°	153.7	2.1
170°-180°	50.0	0.7
0°-30°	1554.6	20.9
0°-40°	2272.1	30.6
0°-60°	3355.4	45.1
0°-90°	3839.3	51.7
90°-120°	1653.6	22.2
90°-150°	3128.9	42.1
90°-180°	3594.0	48.4
0°-180°	7433.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2220	2220	2220	2220	2220	
5°	2221	2470	2229	1973	2221	211
15°	2093	2787	2129	1307	2093	589
25°	1857	1487	1897	947	1857	853
35°	1524	733	1573	699	1524	954
45°	1145	509	1192	498	1145	883
55°	773	353	814	349	773	696
65°	467	184	495	208	467	464
75°	219	97	239	111	219	237
85°	48	28	52	29	48	54
90°	1	33	1	33	1	5
95°	35	113	35	113	35	36
105°	121	1118	121	1118	121	129
115°	213	1472	213	1472	213	212
125°	298	1194	298	1194	298	265
135°	349	989	349	989	349	270
145°	399	790	399	790	399	250
155°	454	664	454	664	454	209
165°	494	582	494	582	494	139
175°	515	525	515	525	515	49
180°	516	516	516	516	516	

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	190.5	194.5	201.5	213.4	233.2	248.1	263.0	304.7	371.1	478.3	630.2
115°	213.4	218.3	224.3	236.2	256.0	269.4	282.8	325.5	386.0	482.3	615.3
117.5°	237.2	241.1	247.1	258.0	276.9	290.8	304.7	344.4	401.9	488.2	607.3
120°	259.0	263.0	268.9	277.9	297.7	311.6	325.5	364.2	417.8	494.2	600.4
122.5°	279.8	282.8	288.8	298.7	318.6	333.0	347.3	383.1	431.7	501.1	596.4
125°	297.7	300.7	306.6	318.6	338.4	352.3	366.2	401.9	446.6	508.1	591.5
127.5°	312.6	316.6	324.5	337.4	356.3	370.6	385.0	419.8	460.5	515.0	588.5
130°	325.5	329.5	339.4	353.3	373.1	387.0	400.9	435.7	473.4	523.0	586.5
132.5°	337.4	342.4	353.3	368.2	389.0	402.9	416.8	449.5	486.3	530.9	585.5
135°	349.3	353.3	365.2	380.1	402.9	416.8	430.7	462.4	497.2	536.9	584.5
137.5°	360.2	365.2	377.1	393.0	415.8	428.7	441.6	473.4	506.1	542.8	584.5
140°	373.1	377.1	389.0	404.9	426.7	439.6	452.5	482.3	513.1	546.8	583.5
142.5°	386.0	389.0	399.9	415.8	436.6	448.6	460.5	489.2	519.0	549.8	583.5
145°	398.9	402.9	412.8	427.7	447.6	458.5	469.4	496.2	524.0	551.8	581.5
147.5°	412.8	415.8	425.7	439.6	456.5	466.4	476.3	502.1	527.0	552.8	578.6
150°	426.7	429.7	437.6	450.5	465.4	474.4	483.3	506.1	528.9	551.8	575.6
152.5°	440.6	441.6	449.5	460.5	474.4	482.3	490.2	510.1	529.9	549.8	570.6
155°	453.5	454.5	460.5	471.4	482.3	489.8	497.2	514.1	530.9	547.8	564.7
157.5°	464.4	465.4	470.4	480.3	489.2	495.6	502.1	517.0	530.9	543.8	558.7
160°	475.3	476.3	480.3	488.2	496.2	501.6	507.1	519.0	530.9	540.8	552.8
162.5°	486.3	485.3	489.2	495.2	502.1	506.1	510.1	520.0	529.9	537.9	547.8
165°	494.2	493.2	495.2	501.1	506.1	509.1	512.1	521.0	527.9	533.9	540.8
167.5°	501.1	500.2	502.1	506.1	510.1	512.1	514.1	521.0	527.0	529.9	534.9
170°	508.1	506.1	507.1	510.1	512.1	513.6	515.0	520.0	525.0	527.0	529.9
172.5°	512.1	511.1	510.1	513.1	514.1	515.0	516.0	519.0	522.0	523.0	524.0
175°	515.0	514.1	513.1	515.0	515.0	515.5	516.0	518.0	520.0	519.0	520.0
177.5°	517.0	515.0	514.1	516.0	516.0	516.0	516.0	517.0	519.0	517.0	516.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	809.8	993.4	1162.1	1300.0	1348.2	1396.3	1459.8	1494.5	1513.4	1520.3	1513.4
115°	772.1	935.8	1088.6	1218.6	1269.8	1320.9	1391.3	1437.0	1462.8	1471.7	1462.8
117.5°	746.3	888.2	1025.1	1146.2	1194.8	1243.4	1315.9	1364.5	1391.3	1398.3	1391.3
120°	726.4	854.4	977.5	1082.7	1127.8	1173.0	1242.5	1289.1	1317.9	1327.8	1317.9
122.5°	709.5	827.6	937.8	1036.0	1075.7	1115.4	1176.0	1221.6	1246.4	1254.4	1246.4
125°	693.7	801.8	904.1	991.4	1028.6	1065.8	1123.4	1161.1	1185.9	1193.8	1185.9
127.5°	678.8	776.0	870.3	953.7	988.4	1023.1	1073.8	1109.5	1131.3	1137.3	1131.3
130°	663.9	751.2	836.6	915.0	947.8	980.5	1029.1	1062.8	1082.7	1090.6	1082.7
132.5°	652.0	727.4	804.8	875.3	905.6	935.8	983.4	1017.2	1035.0	1042.0	1035.0
135°	641.1	705.6	771.1	836.6	864.4	892.1	934.8	967.6	985.4	989.4	985.4
137.5°	633.1	687.7	744.3	797.9	822.7	847.5	888.2	917.0	932.8	938.8	932.8
140°	626.2	670.8	718.5	764.1	786.0	807.8	839.5	865.4	880.2	886.2	880.2
142.5°	619.2	657.0	695.7	733.4	750.8	768.1	797.9	820.7	833.6	833.6	833.6
145°	613.3	644.1	676.8	707.6	722.0	736.3	760.2	777.0	787.0	789.9	787.0
147.5°	607.3	634.1	660.9	685.7	696.7	707.6	728.4	742.3	749.2	751.2	749.2
150°	599.4	623.2	645.0	665.9	674.8	683.7	698.6	710.5	716.5	717.5	716.5
152.5°	592.4	612.3	632.1	649.0	656.4	663.9	674.8	684.7	688.7	688.7	688.7
155°	583.5	602.4	618.2	633.1	638.6	644.1	655.0	661.9	665.9	663.9	665.9
157.5°	575.6	590.5	604.4	617.3	621.8	626.2	634.1	640.1	642.1	642.1	642.1
160°	566.6	579.5	590.5	601.4	604.8	608.3	615.3	620.2	621.2	621.2	621.2
162.5°	558.7	568.6	577.6	586.5	589.0	591.5	598.4	601.4	602.4	601.4	602.4
165°	549.8	557.7	564.7	571.6	573.6	575.6	579.5	583.5	583.5	582.5	583.5
167.5°	540.8	546.8	552.8	557.7	559.7	561.7	563.7	565.7	565.7	564.7	565.7
170°	533.9	538.9	541.8	545.8	546.8	547.8	548.8	551.8	550.8	548.8	550.8
172.5°	527.0	529.9	531.9	534.9	535.4	535.9	536.9	537.9	536.9	535.9	536.9
175°	521.0	524.0	525.0	526.0	526.5	527.0	527.0	527.9	527.0	525.0	527.0
177.5°	517.0	519.0	519.0	520.0	520.0	520.0	520.0	520.0	519.0	517.0	519.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1494.5	1459.8	1396.3	1348.2	1300.0	1162.1	993.4	809.8	630.2	478.3	371.1
115°	1437.0	1391.3	1320.9	1269.8	1218.6	1088.6	935.8	772.1	615.3	482.3	386.0
117.5°	1364.5	1315.9	1243.4	1194.8	1146.2	1025.1	888.2	746.3	607.3	488.2	401.9
120°	1289.1	1242.5	1173.0	1127.8	1082.7	977.5	854.4	726.4	600.4	494.2	417.8
122.5°	1221.6	1176.0	1115.4	1075.7	1036.0	937.8	827.6	709.5	596.4	501.1	431.7
125°	1161.1	1123.4	1065.8	1028.6	991.4	904.1	801.8	693.7	591.5	508.1	446.6
127.5°	1109.5	1073.8	1023.1	988.4	953.7	870.3	776.0	678.8	588.5	515.0	460.5
130°	1062.8	1029.1	980.5	947.8	915.0	836.6	751.2	663.9	586.5	523.0	473.4
132.5°	1017.2	983.4	935.8	905.6	875.3	804.8	727.4	652.0	585.5	530.9	486.3
135°	967.6	934.8	892.1	864.4	836.6	771.1	705.6	641.1	584.5	536.9	497.2
137.5°	917.0	888.2	847.5	822.7	797.9	744.3	687.7	633.1	584.5	542.8	506.1
140°	865.4	839.5	807.8	786.0	764.1	718.5	670.8	626.2	583.5	546.8	513.1
142.5°	820.7	797.9	768.1	750.8	733.4	695.7	657.0	619.2	583.5	549.8	519.0
145°	777.0	760.2	736.3	722.0	707.6	676.8	644.1	613.3	581.5	551.8	524.0
147.5°	742.3	728.4	707.6	696.7	685.7	660.9	634.1	607.3	578.6	552.8	527.0
150°	710.5	698.6	683.7	674.8	665.9	645.0	623.2	599.4	575.6	551.8	528.9
152.5°	684.7	674.8	663.9	656.4	649.0	632.1	612.3	592.4	570.6	549.8	529.9
155°	661.9	655.0	644.1	638.6	633.1	618.2	602.4	583.5	564.7	547.8	530.9
157.5°	640.1	634.1	626.2	621.8	617.3	604.4	590.5	575.6	558.7	543.8	530.9
160°	620.2	615.3	608.3	604.8	601.4	590.5	579.5	566.6	552.8	540.8	530.9
162.5°	601.4	598.4	591.5	589.0	586.5	577.6	568.6	558.7	547.8	537.9	529.9
165°	583.5	579.5	575.6	573.6	571.6	564.7	557.7	549.8	540.8	533.9	527.9
167.5°	565.7	563.7	561.7	559.7	557.7	552.8	546.8	540.8	534.9	529.9	527.0
170°	551.8	548.8	547.8	546.8	545.8	541.8	538.9	533.9	529.9	527.0	525.0
172.5°	537.9	536.9	535.9	535.4	534.9	531.9	529.9	527.0	524.0	523.0	522.0
175°	527.9	527.0	527.0	526.5	526.0	525.0	524.0	521.0	520.0	519.0	520.0
177.5°	520.0	520.0	520.0	520.0	520.0	519.0	519.0	517.0	516.0	517.0	519.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	304.7	263.0	248.1	233.2	213.4	201.5	194.5	190.5	194.5	201.5	213.4
115°	325.5	282.8	269.4	256.0	236.2	224.3	218.3	213.4	218.3	224.3	236.2
117.5°	344.4	304.7	290.8	276.9	258.0	247.1	241.1	237.2	241.1	247.1	258.0
120°	364.2	325.5	311.6	297.7	277.9	268.9	263.0	259.0	263.0	268.9	277.9
122.5°	383.1	347.3	333.0	318.6	298.7	288.8	282.8	279.8	282.8	288.8	298.7
125°	401.9	366.2	352.3	338.4	318.6	306.6	300.7	297.7	300.7	306.6	318.6
127.5°	419.8	385.0	370.6	356.3	337.4	324.5	316.6	312.6	316.6	324.5	337.4
130°	435.7	400.9	387.0	373.1	353.3	339.4	329.5	325.5	329.5	339.4	353.3
132.5°	449.5	416.8	402.9	389.0	368.2	353.3	342.4	337.4	342.4	353.3	368.2
135°	462.4	430.7	416.8	402.9	380.1	365.2	353.3	349.3	353.3	365.2	380.1
137.5°	473.4	441.6	428.7	415.8	393.0	377.1	365.2	360.2	365.2	377.1	393.0
140°	482.3	452.5	439.6	426.7	404.9	389.0	377.1	373.1	377.1	389.0	404.9
142.5°	489.2	460.5	448.6	436.6	415.8	399.9	389.0	386.0	389.0	399.9	415.8
145°	496.2	469.4	458.5	447.6	427.7	412.8	402.9	398.9	402.9	412.8	427.7
147.5°	502.1	476.3	466.4	456.5	439.6	425.7	415.8	412.8	415.8	425.7	439.6
150°	506.1	483.3	474.4	465.4	450.5	437.6	429.7	426.7	429.7	437.6	450.5
152.5°	510.1	490.2	482.3	474.4	460.5	449.5	441.6	440.6	441.6	449.5	460.5
155°	514.1	497.2	489.8	482.3	471.4	460.5	454.5	453.5	454.5	460.5	471.4
157.5°	517.0	502.1	495.6	489.2	480.3	470.4	465.4	464.4	465.4	470.4	480.3
160°	519.0	507.1	501.6	496.2	488.2	480.3	476.3	475.3	476.3	480.3	488.2
162.5°	520.0	510.1	506.1	502.1	495.2	489.2	485.3	486.3	485.3	489.2	495.2
165°	521.0	512.1	509.1	506.1	501.1	495.2	493.2	494.2	493.2	495.2	501.1
167.5°	521.0	514.1	512.1	510.1	506.1	502.1	500.2	501.1	500.2	502.1	506.1
170°	520.0	515.0	513.6	512.1	510.1	507.1	506.1	508.1	506.1	507.1	510.1
172.5°	519.0	516.0	515.0	514.1	513.1	510.1	511.1	512.1	511.1	510.1	513.1
175°	518.0	516.0	515.5	515.0	515.0	513.1	514.1	515.0	514.1	513.1	515.0
177.5°	517.0	516.0	516.0	516.0	516.0	514.1	515.0	517.0	515.0	514.1	516.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

TEST NUMBER: P1009786

CATALOG NUMBER: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2195.1	2196.6	2201.2	2187.4	2165.8	2156.5	2128.7	2124.1	2119.5	2119.5	2124.1
5°	2145.7	2139.5	2141.1	2114.9	2084.0	2065.5	2026.9	2033.1	2013.0	2000.7	2003.8
7.5°	2091.7	2074.7	2073.2	2039.3	2000.7	1966.8	1926.7	1917.4	1898.9	1877.3	1868.0
10°	2023.8	2011.5	1988.4	1949.8	1900.4	1872.7	1818.7	1786.3	1781.7	1749.3	1736.9
12.5°	1954.4	1932.8	1909.7	1855.7	1800.2	1755.4	1715.3	1679.9	1655.2	1627.4	1608.9
15°	1874.2	1848.0	1821.8	1764.7	1699.9	1655.2	1595.0	1542.6	1470.1	1413.0	1380.6
17.5°	1786.3	1757.0	1721.5	1658.3	1595.0	1533.3	1422.2	1360.5	1309.6	1275.7	1255.6
20°	1695.3	1662.9	1627.4	1564.2	1454.6	1346.7	1285.0	1237.1	1206.3	1172.3	1147.7
22.5°	1599.6	1565.7	1527.1	1428.4	1312.7	1237.1	1189.3	1144.6	1099.8	1081.3	1069.0
25°	1510.2	1479.3	1430.0	1295.8	1204.7	1135.3	1081.3	1052.0	1028.9	1004.2	981.1
27.5°	1417.6	1360.5	1291.1	1178.5	1121.4	1050.5	1011.9	990.3	950.2	933.3	922.5
30°	1306.6	1243.3	1177.0	1096.8	1030.4	981.1	945.6	910.1	887.0	870.0	851.5
32.5°	1193.9	1133.8	1092.1	1008.8	959.5	908.6	874.6	853.0	819.1	808.3	800.6
35°	1096.8	1045.9	1008.8	941.0	894.7	848.4	823.7	791.3	769.7	749.7	737.3
37.5°	1001.1	973.4	934.8	877.7	828.4	791.3	757.4	746.6	717.3	706.5	694.2
40°	934.8	893.1	860.8	811.4	769.7	729.6	708.0	683.4	663.3	646.3	641.7
42.5°	854.6	823.7	805.2	751.2	708.0	684.9	658.7	630.9	615.5	601.6	584.6
45°	794.4	766.7	740.4	697.2	658.7	629.4	606.2	587.7	561.5	555.3	529.1
47.5°	731.2	703.4	683.4	640.2	604.7	576.9	560.0	535.3	513.7	499.8	487.4
50°	667.9	644.8	626.3	589.3	558.4	529.1	506.0	481.3	472.0	448.9	441.2
52.5°	607.8	592.3	572.3	536.8	506.0	481.3	456.6	436.5	422.7	410.3	401.1
55°	556.9	532.2	522.9	484.4	458.1	431.9	410.3	398.0	381.0	373.3	365.6
57.5°	499.8	485.9	470.5	441.2	411.9	387.2	371.8	353.2	344.0	334.7	328.6
60°	450.4	430.4	418.0	393.4	367.1	344.0	330.1	316.2	303.9	296.2	283.8
62.5°	393.4	377.9	370.2	344.0	322.4	300.8	288.5	274.6	265.3	251.4	236.0
65°	344.0	331.7	322.4	300.8	280.7	260.7	248.4	231.4	219.0	211.3	209.8
67.5°	300.8	291.5	277.7	257.6	237.6	222.1	208.2	194.4	192.8	189.7	189.7
70°	253.0	243.7	236.0	214.4	197.4	180.5	177.4	172.8	168.1	166.6	163.5
72.5°	211.3	203.6	194.4	175.9	158.9	154.3	151.2	148.1	143.5	141.9	140.4
75°	171.2	160.4	154.3	137.3	132.7	129.6	126.5	121.9	118.8	117.2	114.1
77.5°	131.1	120.3	120.3	111.1	108.0	103.4	100.3	97.2	95.6	92.6	92.6
80°	92.6	92.6	89.5	84.8	80.2	78.7	74.0	72.5	71.0	72.5	69.4
82.5°	67.9	61.7	61.7	58.6	55.5	54.0	50.9	50.9	49.4	49.4	49.4
85°	38.6	38.6	37.0	33.9	32.4	32.4	30.9	30.9	29.3	29.3	27.8
87.5°	15.4	13.9	15.4	13.9	13.9	12.3	12.3	12.3	10.8	12.3	10.8
90°	11.9	13.4	14.9	19.8	26.8	32.7	33.7	32.7	31.8	29.8	31.8
92.5°	41.7	47.2	52.6	79.4	117.1	150.8	152.8	128.0	100.2	85.3	74.4
95°	73.4	85.4	97.3	142.9	229.2	344.4	389.0	340.4	260.0	199.5	157.8
97.5°	99.2	112.6	126.0	184.6	304.7	490.2	634.1	639.1	531.9	424.7	324.5
100°	124.0	137.9	151.8	204.4	325.5	539.9	784.0	926.9	906.0	783.0	647.0
102.5°	146.9	160.8	174.7	222.3	326.5	521.0	788.9	1034.1	1151.2	1147.2	1056.9
105°	168.7	182.6	196.5	243.1	331.5	495.2	735.4	999.3	1205.7	1317.9	1330.8
107.5°	190.5	204.4	218.3	264.0	342.4	481.3	685.7	925.9	1147.2	1313.9	1411.2
110°	212.4	226.8	241.1	284.8	356.3	477.3	652.0	857.4	1066.8	1244.4	1371.5

TEST NUMBER: P1009786

CATALOG NUMBER: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	233.2	248.1	263.0	304.7	371.1	478.3	630.2	809.8	993.4	1162.1	1300.0
115°	256.0	269.4	282.8	325.5	386.0	482.3	615.3	772.1	935.8	1088.6	1218.6
117.5°	276.9	290.8	304.7	344.4	401.9	488.2	607.3	746.3	888.2	1025.1	1146.2
120°	297.7	311.6	325.5	364.2	417.8	494.2	600.4	726.4	854.4	977.5	1082.7
122.5°	318.6	333.0	347.3	383.1	431.7	501.1	596.4	709.5	827.6	937.8	1036.0
125°	338.4	352.3	366.2	401.9	446.6	508.1	591.5	693.7	801.8	904.1	991.4
127.5°	356.3	370.6	385.0	419.8	460.5	515.0	588.5	678.8	776.0	870.3	953.7
130°	373.1	387.0	400.9	435.7	473.4	523.0	586.5	663.9	751.2	836.6	915.0
132.5°	389.0	402.9	416.8	449.5	486.3	530.9	585.5	652.0	727.4	804.8	875.3
135°	402.9	416.8	430.7	462.4	497.2	536.9	584.5	641.1	705.6	771.1	836.6
137.5°	415.8	428.7	441.6	473.4	506.1	542.8	584.5	633.1	687.7	744.3	797.9
140°	426.7	439.6	452.5	482.3	513.1	546.8	583.5	626.2	670.8	718.5	764.1
142.5°	436.6	448.6	460.5	489.2	519.0	549.8	583.5	619.2	657.0	695.7	733.4
145°	447.6	458.5	469.4	496.2	524.0	551.8	581.5	613.3	644.1	676.8	707.6
147.5°	456.5	466.4	476.3	502.1	527.0	552.8	578.6	607.3	634.1	660.9	685.7
150°	465.4	474.4	483.3	506.1	528.9	551.8	575.6	599.4	623.2	645.0	665.9
152.5°	474.4	482.3	490.2	510.1	529.9	549.8	570.6	592.4	612.3	632.1	649.0
155°	482.3	489.8	497.2	514.1	530.9	547.8	564.7	583.5	602.4	618.2	633.1
157.5°	489.2	495.6	502.1	517.0	530.9	543.8	558.7	575.6	590.5	604.4	617.3
160°	496.2	501.6	507.1	519.0	530.9	540.8	552.8	566.6	579.5	590.5	601.4
162.5°	502.1	506.1	510.1	520.0	529.9	537.9	547.8	558.7	568.6	577.6	586.5
165°	506.1	509.1	512.1	521.0	527.9	533.9	540.8	549.8	557.7	564.7	571.6
167.5°	510.1	512.1	514.1	521.0	527.0	529.9	534.9	540.8	546.8	552.8	557.7
170°	512.1	513.6	515.0	520.0	525.0	527.0	529.9	533.9	538.9	541.8	545.8
172.5°	514.1	515.0	516.0	519.0	522.0	523.0	524.0	527.0	529.9	531.9	534.9
175°	515.0	515.5	516.0	518.0	520.0	519.0	520.0	521.0	524.0	525.0	526.0
177.5°	516.0	516.0	516.0	517.0	519.0	517.0	516.0	517.0	519.0	519.0	520.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

TEST NUMBER: P1009786

CATALOG NUMBER: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1348.2	1396.3	1459.8	1494.5	1513.4	1520.3	1513.4	1494.5	1459.8	1396.3	1348.2
115°	1269.8	1320.9	1391.3	1437.0	1462.8	1471.7	1462.8	1437.0	1391.3	1320.9	1269.8
117.5°	1194.8	1243.4	1315.9	1364.5	1391.3	1398.3	1391.3	1364.5	1315.9	1243.4	1194.8
120°	1127.8	1173.0	1242.5	1289.1	1317.9	1327.8	1317.9	1289.1	1242.5	1173.0	1127.8
122.5°	1075.7	1115.4	1176.0	1221.6	1246.4	1254.4	1246.4	1221.6	1176.0	1115.4	1075.7
125°	1028.6	1065.8	1123.4	1161.1	1185.9	1193.8	1185.9	1161.1	1123.4	1065.8	1028.6
127.5°	988.4	1023.1	1073.8	1109.5	1131.3	1137.3	1131.3	1109.5	1073.8	1023.1	988.4
130°	947.8	980.5	1029.1	1062.8	1082.7	1090.6	1082.7	1062.8	1029.1	980.5	947.8
132.5°	905.6	935.8	983.4	1017.2	1035.0	1042.0	1035.0	1017.2	983.4	935.8	905.6
135°	864.4	892.1	934.8	967.6	985.4	989.4	985.4	967.6	934.8	892.1	864.4
137.5°	822.7	847.5	888.2	917.0	932.8	938.8	932.8	917.0	888.2	847.5	822.7
140°	786.0	807.8	839.5	865.4	880.2	886.2	880.2	865.4	839.5	807.8	786.0
142.5°	750.8	768.1	797.9	820.7	833.6	833.6	833.6	820.7	797.9	768.1	750.8
145°	722.0	736.3	760.2	777.0	787.0	789.9	787.0	777.0	760.2	736.3	722.0
147.5°	696.7	707.6	728.4	742.3	749.2	751.2	749.2	742.3	728.4	707.6	696.7
150°	674.8	683.7	698.6	710.5	716.5	717.5	716.5	710.5	698.6	683.7	674.8
152.5°	656.4	663.9	674.8	684.7	688.7	688.7	688.7	684.7	674.8	663.9	656.4
155°	638.6	644.1	655.0	661.9	665.9	663.9	665.9	661.9	655.0	644.1	638.6
157.5°	621.8	626.2	634.1	640.1	642.1	642.1	642.1	640.1	634.1	626.2	621.8
160°	604.8	608.3	615.3	620.2	621.2	621.2	621.2	620.2	615.3	608.3	604.8
162.5°	589.0	591.5	598.4	601.4	602.4	601.4	602.4	601.4	598.4	591.5	589.0
165°	573.6	575.6	579.5	583.5	583.5	582.5	583.5	583.5	579.5	575.6	573.6
167.5°	559.7	561.7	563.7	565.7	565.7	564.7	565.7	565.7	563.7	561.7	559.7
170°	546.8	547.8	548.8	551.8	550.8	548.8	550.8	551.8	548.8	547.8	546.8
172.5°	535.4	535.9	536.9	537.9	536.9	535.9	536.9	537.9	536.9	535.9	535.4
175°	526.5	527.0	527.0	527.9	527.0	525.0	527.0	527.9	527.0	527.0	526.5
177.5°	520.0	520.0	520.0	520.0	519.0	517.0	519.0	520.0	520.0	520.0	520.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

TEST NUMBER: P1009786

CATALOG NUMBER: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1300.0	1162.1	993.4	809.8	630.2	478.3	371.1	304.7	263.0	248.1	233.2
115°	1218.6	1088.6	935.8	772.1	615.3	482.3	386.0	325.5	282.8	269.4	256.0
117.5°	1146.2	1025.1	888.2	746.3	607.3	488.2	401.9	344.4	304.7	290.8	276.9
120°	1082.7	977.5	854.4	726.4	600.4	494.2	417.8	364.2	325.5	311.6	297.7
122.5°	1036.0	937.8	827.6	709.5	596.4	501.1	431.7	383.1	347.3	333.0	318.6
125°	991.4	904.1	801.8	693.7	591.5	508.1	446.6	401.9	366.2	352.3	338.4
127.5°	953.7	870.3	776.0	678.8	588.5	515.0	460.5	419.8	385.0	370.6	356.3
130°	915.0	836.6	751.2	663.9	586.5	523.0	473.4	435.7	400.9	387.0	373.1
132.5°	875.3	804.8	727.4	652.0	585.5	530.9	486.3	449.5	416.8	402.9	389.0
135°	836.6	771.1	705.6	641.1	584.5	536.9	497.2	462.4	430.7	416.8	402.9
137.5°	797.9	744.3	687.7	633.1	584.5	542.8	506.1	473.4	441.6	428.7	415.8
140°	764.1	718.5	670.8	626.2	583.5	546.8	513.1	482.3	452.5	439.6	426.7
142.5°	733.4	695.7	657.0	619.2	583.5	549.8	519.0	489.2	460.5	448.6	436.6
145°	707.6	676.8	644.1	613.3	581.5	551.8	524.0	496.2	469.4	458.5	447.6
147.5°	685.7	660.9	634.1	607.3	578.6	552.8	527.0	502.1	476.3	466.4	456.5
150°	665.9	645.0	623.2	599.4	575.6	551.8	528.9	506.1	483.3	474.4	465.4
152.5°	649.0	632.1	612.3	592.4	570.6	549.8	529.9	510.1	490.2	482.3	474.4
155°	633.1	618.2	602.4	583.5	564.7	547.8	530.9	514.1	497.2	489.8	482.3
157.5°	617.3	604.4	590.5	575.6	558.7	543.8	530.9	517.0	502.1	495.6	489.2
160°	601.4	590.5	579.5	566.6	552.8	540.8	530.9	519.0	507.1	501.6	496.2
162.5°	586.5	577.6	568.6	558.7	547.8	537.9	529.9	520.0	510.1	506.1	502.1
165°	571.6	564.7	557.7	549.8	540.8	533.9	527.9	521.0	512.1	509.1	506.1
167.5°	557.7	552.8	546.8	540.8	534.9	529.9	527.0	521.0	514.1	512.1	510.1
170°	545.8	541.8	538.9	533.9	529.9	527.0	525.0	520.0	515.0	513.6	512.1
172.5°	534.9	531.9	529.9	527.0	524.0	523.0	522.0	519.0	516.0	515.0	514.1
175°	526.0	525.0	524.0	521.0	520.0	519.0	520.0	518.0	516.0	515.5	515.0
177.5°	520.0	519.0	519.0	517.0	516.0	517.0	519.0	517.0	516.0	516.0	516.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

TEST NUMBER: P1009786

CATALOG NUMBER: S122RDIP-B1005D925UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2219.7	2219.7	2219.7	2219.7
2.5°	2179.6	2175.0	2202.8	2233.6
5°	2134.9	2142.6	2178.1	2221.3
7.5°	2088.6	2105.6	2147.2	2204.3
10°	2023.8	2054.7	2117.9	2176.6
12.5°	1960.6	2002.2	2062.4	2131.8
15°	1889.6	1935.9	2010.0	2093.3
17.5°	1811.0	1863.4	1949.8	2040.8
20°	1727.7	1797.1	1888.1	1986.8
22.5°	1635.1	1718.4	1812.5	1922.0
25°	1545.6	1636.7	1730.8	1857.2
27.5°	1457.7	1547.2	1652.1	1780.1
30°	1369.8	1451.6	1564.2	1701.4
32.5°	1275.7	1360.5	1479.3	1619.7
35°	1189.3	1274.2	1385.2	1524.1
37.5°	1096.8	1187.8	1294.2	1437.7
40°	988.8	1095.2	1198.6	1335.9
42.5°	899.3	1011.9	1112.2	1241.8
45°	828.4	934.8	1018.1	1144.6
47.5°	762.0	848.4	933.3	1050.5
50°	698.8	765.1	853.0	957.9
52.5°	634.0	691.1	766.7	865.4
55°	575.4	629.4	697.2	772.8
57.5°	521.4	560.0	627.8	695.7
60°	461.2	501.3	553.8	610.9
62.5°	410.3	441.2	490.5	538.4
65°	356.3	385.6	422.7	467.4
67.5°	307.0	333.2	362.5	398.0
70°	262.2	282.3	303.9	334.7
72.5°	214.4	236.0	256.1	280.7
75°	175.9	185.1	202.1	219.0
77.5°	135.7	148.1	157.3	171.2
80°	97.2	108.0	111.1	121.9
82.5°	64.8	71.0	77.1	80.2
85°	37.0	40.1	46.3	47.8
87.5°	13.9	15.4	18.5	21.6
90°	9.9	7.9	4.0	1.0
92.5°	33.7	28.8	20.8	14.9
95°	57.6	48.6	38.7	34.7
97.5°	81.4	68.5	57.6	51.6
100°	104.2	88.3	79.4	76.4
102.5°	126.0	110.2	101.2	99.2
105°	146.9	132.0	125.0	121.1
107.5°	168.7	154.8	147.9	144.9
110°	191.5	178.6	172.7	168.7

TEST NUMBER: P1009786

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	213.4	201.5	194.5	190.5
115°	236.2	224.3	218.3	213.4
117.5°	258.0	247.1	241.1	237.2
120°	277.9	268.9	263.0	259.0
122.5°	298.7	288.8	282.8	279.8
125°	318.6	306.6	300.7	297.7
127.5°	337.4	324.5	316.6	312.6
130°	353.3	339.4	329.5	325.5
132.5°	368.2	353.3	342.4	337.4
135°	380.1	365.2	353.3	349.3
137.5°	393.0	377.1	365.2	360.2
140°	404.9	389.0	377.1	373.1
142.5°	415.8	399.9	389.0	386.0
145°	427.7	412.8	402.9	398.9
147.5°	439.6	425.7	415.8	412.8
150°	450.5	437.6	429.7	426.7
152.5°	460.5	449.5	441.6	440.6
155°	471.4	460.5	454.5	453.5
157.5°	480.3	470.4	465.4	464.4
160°	488.2	480.3	476.3	475.3
162.5°	495.2	489.2	485.3	486.3
165°	501.1	495.2	493.2	494.2
167.5°	506.1	502.1	500.2	501.1
170°	510.1	507.1	506.1	508.1
172.5°	513.1	510.1	511.1	512.1
175°	515.0	513.1	514.1	515.0
177.5°	516.0	514.1	515.0	517.0
180°	516.0	516.0	516.0	516.0

(END OF REPORT)