

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: P1007857

Luminaire Tested: S125IP-B375UB50-4F0-XX-W2A-4

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IP-B375UB50-4F0-XX-W2A-4
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

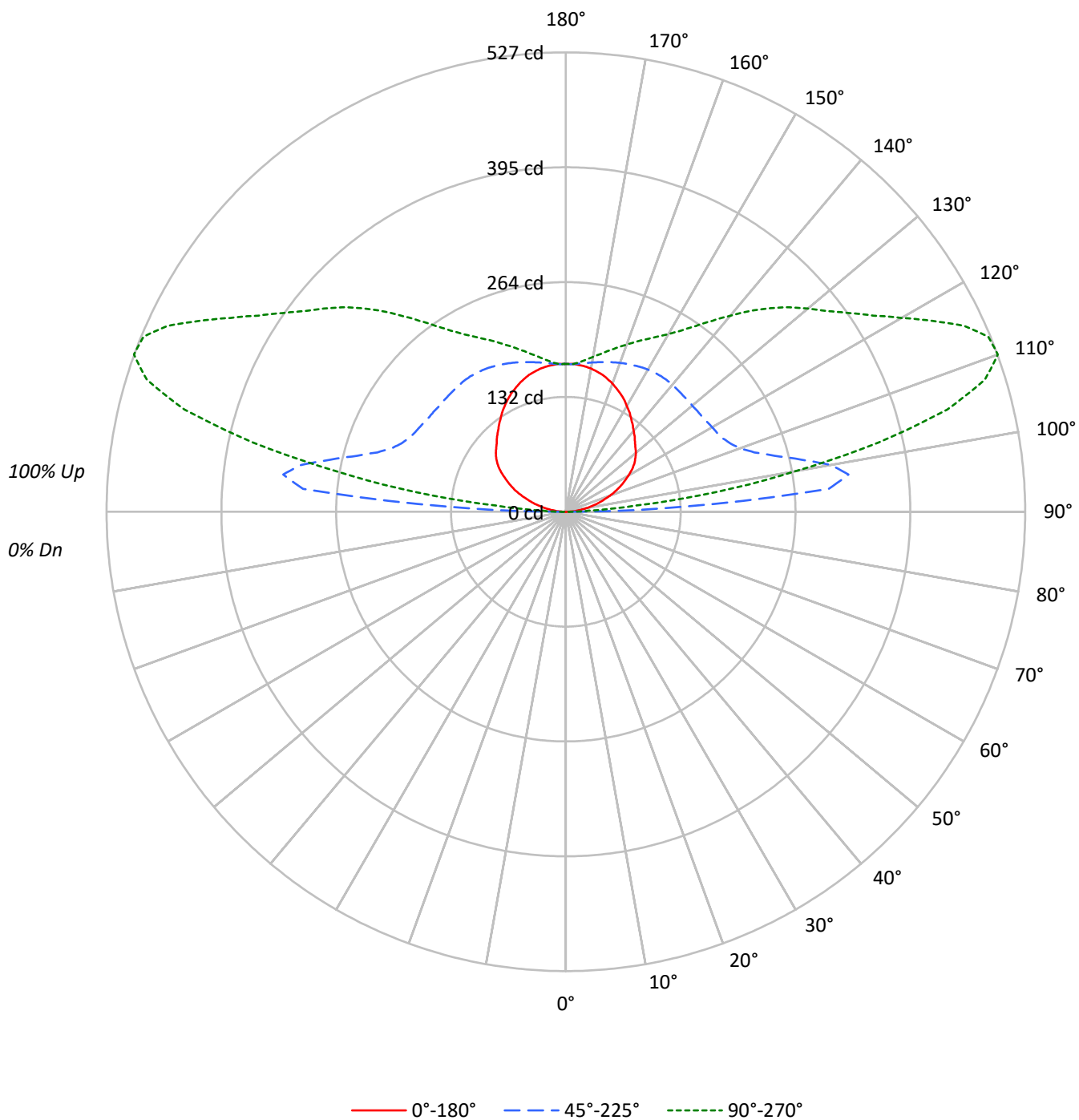
Lumens per Lamp: N/A
Luminaire Lumens: 1274.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 9.3
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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 0°
Luminance: 0 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.7	0.1
90°-100°	123.3	9.7
100°-110°	265.9	20.9
110°-120°	247.9	19.5
120°-130°	200.8	15.8
130°-140°	161.2	12.7
140°-150°	121.6	9.5
150°-160°	85.6	6.7
160°-170°	50.5	4.0
170°-180°	16.4	1.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.7	0.1
90°-120°	637.2	50.0
90°-150°	1120.8	88.0
90°-180°	1273.0	99.9
0°-180°	1274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	3	6	7	8	1
95°	11	33	303	137	80	12
105°	39	54	248	488	453	41
115°	69	83	199	429	504	68
125°	96	112	191	341	398	85
135°	112	135	189	286	330	87
145°	131	150	190	237	260	82
155°	149	160	185	209	218	69
165°	163	167	178	188	191	46
175°	169	169	171	173	172	16
180°	170	170	170	170	170	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.3	0.7	1.4	2.1	2.7	3.4	3.8	4.4	4.8	5.5	5.8
92.5°	5.1	6.2	9.6	14.7	21.9	34.2	57.4	96.4	138.8	136.4	110.1
95°	11.3	11.6	14.4	18.1	25.6	41.0	77.6	152.8	247.1	302.8	296.3
97.5°	17.4	17.8	19.8	23.6	30.4	41.7	67.0	124.8	226.6	327.1	370.2
100°	23.9	24.6	26.0	29.7	36.2	46.5	66.3	110.7	196.9	308.6	394.1
102.5°	31.1	31.4	32.5	36.6	42.4	52.3	69.4	104.9	174.3	276.2	379.7
105°	38.6	38.6	40.3	43.7	49.2	58.8	73.8	104.2	161.3	247.8	345.9
107.5°	45.8	46.5	48.2	50.9	56.7	65.3	80.0	106.6	154.5	226.6	313.8
110°	53.7	54.3	55.7	58.8	63.9	72.8	86.8	110.4	151.8	212.6	287.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	61.5	62.2	63.2	66.3	71.4	80.0	93.3	115.2	151.8	204.4	267.3
115°	69.0	69.7	70.8	73.8	79.0	87.5	100.1	120.0	152.8	198.9	254.0
117.5°	75.9	76.9	77.9	81.0	86.8	95.0	107.0	125.4	154.5	195.8	245.1
120°	82.7	83.7	85.1	88.2	94.0	102.5	114.5	130.9	157.2	193.8	237.9
122.5°	89.9	90.6	91.6	94.7	101.2	109.7	121.7	137.1	159.6	192.1	231.7
125°	95.7	96.4	98.1	101.2	107.7	116.6	127.8	142.5	162.4	190.7	226.3
127.5°	100.5	101.5	103.6	107.3	114.2	123.0	134.0	147.7	165.4	190.0	221.1
130°	104.9	106.0	108.7	113.1	120.3	129.2	139.8	152.8	168.2	189.4	216.0
132.5°	108.3	109.7	113.1	118.3	125.8	134.7	145.3	157.2	171.2	189.4	211.9
135°	112.1	113.5	117.6	123.0	130.2	139.5	150.0	161.3	174.0	189.4	208.8
137.5°	116.9	117.9	121.7	127.1	134.3	143.9	153.5	164.4	176.7	189.7	205.8
140°	121.0	122.0	126.1	131.6	138.1	147.3	157.2	167.5	178.4	190.0	203.7
142.5°	125.8	126.5	130.2	135.7	141.8	150.4	159.6	169.2	179.4	190.4	202.0
145°	130.6	131.2	134.7	139.5	145.6	153.5	162.4	170.9	180.1	190.0	200.3
147.5°	135.7	136.0	139.1	143.6	149.0	156.2	164.1	171.9	180.5	189.4	198.6
150°	140.1	140.8	143.2	147.7	152.4	158.2	165.8	172.9	180.5	188.3	196.5
152.5°	144.9	145.3	147.3	151.1	155.5	160.6	167.5	173.6	180.1	187.0	194.1
155°	149.0	149.0	151.1	154.5	157.9	162.7	168.5	174.0	179.4	185.3	191.4
157.5°	152.8	152.8	154.5	157.6	160.6	164.4	169.5	174.3	178.8	183.5	189.0
160°	156.5	156.2	157.6	160.0	162.7	165.8	170.2	174.3	177.7	181.8	185.9
162.5°	159.6	159.3	160.6	162.7	164.7	167.1	170.9	174.0	176.7	179.8	183.2
165°	162.7	162.0	163.0	164.7	166.1	168.2	170.9	173.6	175.7	177.7	180.5
167.5°	164.7	164.4	165.1	166.1	167.1	168.5	170.9	172.9	174.0	175.7	177.7
170°	166.8	166.5	166.8	167.5	168.2	169.2	170.9	172.3	172.9	174.0	175.3
172.5°	168.2	167.5	167.8	168.5	168.8	169.2	170.6	171.6	171.6	171.9	172.9
175°	169.2	168.5	168.8	169.2	169.2	169.2	170.2	170.9	170.6	170.6	170.9
177.5°	169.9	169.2	169.2	169.5	169.2	169.2	169.9	170.2	169.5	169.5	169.9
180°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.2	6.5	6.8	7.5	7.5	7.5	7.9	7.9
92.5°	74.2	53.3	39.6	33.2	27.7	26.7	26.0	25.3
95°	245.7	193.8	151.8	123.0	98.8	88.5	85.8	80.3
97.5°	352.4	311.0	268.6	227.6	207.1	189.4	180.1	176.0
100°	420.4	403.7	368.5	332.9	309.3	284.7	272.1	266.6
102.5°	443.3	460.4	448.1	426.9	401.3	385.5	371.5	367.8
105°	427.9	474.7	489.8	486.0	475.1	463.8	457.0	452.9
107.5°	396.5	458.3	494.6	509.6	512.7	511.0	507.6	504.1
110°	360.9	425.9	474.1	503.1	518.5	525.0	527.4	527.4

TEST NUMBER: P1007857

CATALOG NUMBER: S125IP-B375UB50-4F0-XX-W2A-4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	332.9	393.7	442.6	478.2	502.4	514.7	521.6	524.6
115°	310.3	363.3	410.1	447.4	474.1	490.5	500.0	504.5
117.5°	294.6	341.4	382.5	417.7	444.7	461.8	471.3	474.1
120°	282.3	323.3	360.9	391.0	416.3	432.7	441.9	444.7
122.5°	273.1	310.3	342.8	370.5	392.4	407.1	416.3	418.7
125°	264.2	299.1	328.8	353.4	372.6	386.6	394.1	397.5
127.5°	255.0	288.1	316.2	339.4	356.8	369.5	376.7	378.0
130°	246.4	276.5	303.2	325.4	342.5	353.8	360.6	362.6
132.5°	237.9	265.6	289.2	310.3	327.4	338.7	344.9	347.3
135°	230.7	254.3	276.2	295.6	310.7	322.0	328.1	330.2
137.5°	224.2	244.0	262.8	279.9	293.6	304.2	310.0	312.4
140°	219.1	235.2	250.9	265.2	277.9	286.8	291.9	293.6
142.5°	214.6	227.6	240.6	252.6	262.8	270.0	274.8	276.2
145°	210.9	221.5	232.1	241.3	249.5	255.3	259.1	260.4
147.5°	207.1	216.0	224.6	231.7	238.6	243.4	245.7	246.4
150°	204.0	211.6	218.1	224.2	229.3	233.4	234.8	235.2
152.5°	200.6	207.1	212.9	217.4	221.5	224.6	225.9	226.3
155°	197.2	202.7	207.5	211.2	214.6	217.0	218.1	218.4
157.5°	193.8	198.6	202.3	205.4	208.2	210.2	211.2	211.2
160°	190.4	193.8	197.2	199.6	202.0	203.7	204.4	204.0
162.5°	186.6	189.7	192.4	194.5	196.2	197.6	197.6	197.6
165°	183.2	185.6	187.6	189.4	190.7	191.4	191.4	191.4
167.5°	179.8	181.5	183.2	184.6	185.3	185.9	185.6	185.6
170°	177.0	178.1	179.1	179.8	180.5	180.8	180.8	180.5
172.5°	174.0	175.0	175.7	176.0	176.0	176.7	176.0	175.7
175°	171.9	171.9	172.6	172.6	172.6	172.9	172.3	171.9
177.5°	170.2	170.6	170.6	170.6	170.2	170.6	169.5	169.5
180°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5

(END OF REPORT)