

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: P1007390

Luminaire Tested: S122IP-B530UB2750-4F0-XX-W2A-4_4000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122IP-B530UB2750-4F0-XX-W2A-4_4000K
Description: Define 2 Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

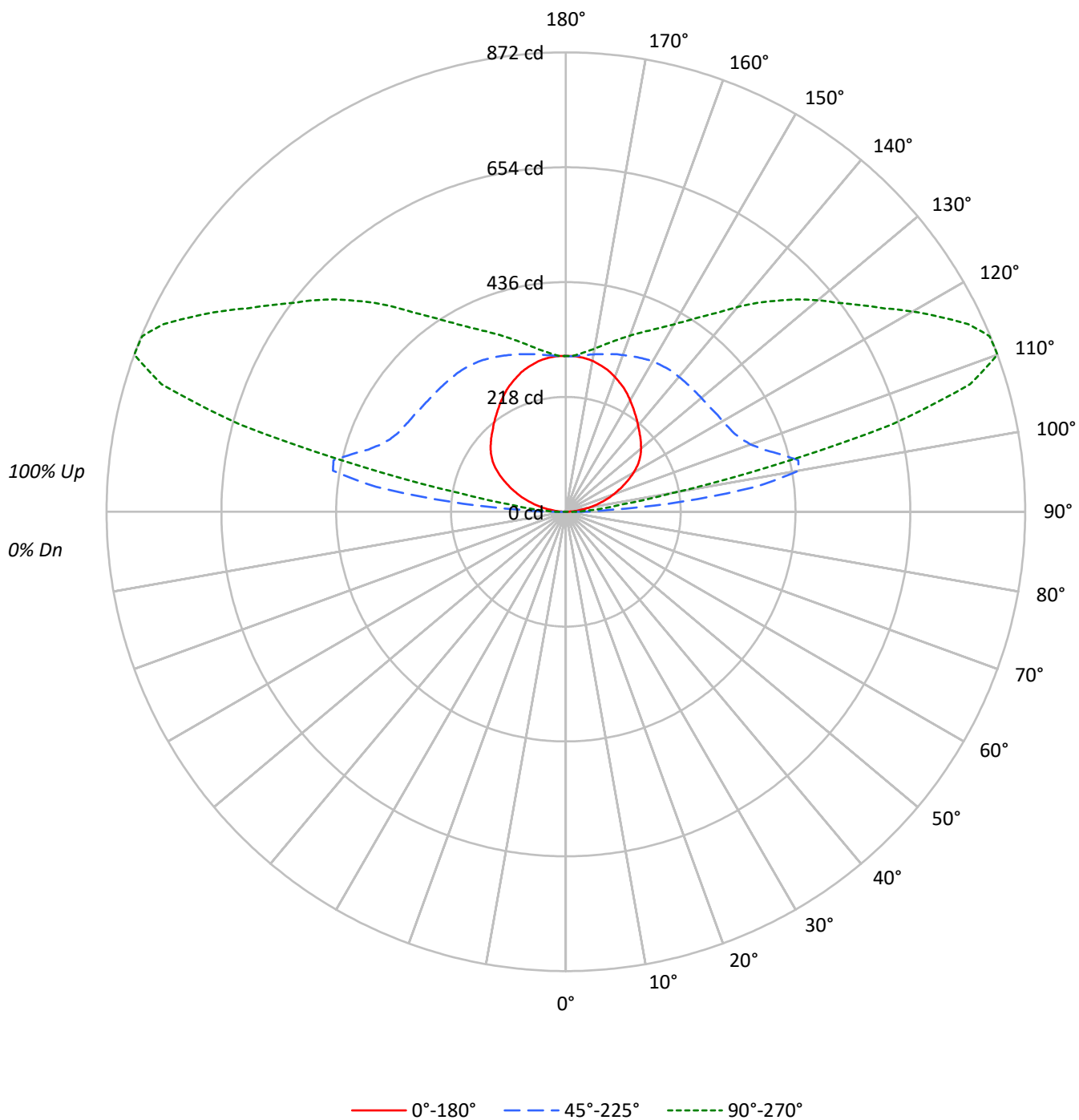
Lumens per Lamp: N/A
Luminaire Lumens: 2060.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 15.4
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°	1.9	0.1
90°-100°	115.2	5.6
100°-110°	405.7	19.7
110°-120°	426.1	20.7
120°-130°	350.5	17.0
130°-140°	281.6	13.7
140°-150°	212.7	10.3
150°-160°	149.5	7.3
160°-170°	88.0	4.3
170°-180°	28.6	1.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.9	0.1
90°-120°	947.0	46.0
90°-150°	1791.9	87.0
90°-180°	2058.0	99.9
0°-180°	2060.0	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°	1	8	19	18	19	1
95°	20	49	223	84	65	21
105°	69	105	421	753	640	74
115°	122	154	352	727	843	121
125°	170	202	339	589	684	152
135°	200	239	335	495	567	155
145°	228	263	333	413	452	143
155°	260	280	323	366	380	120
165°	283	292	310	328	334	80
175°	295	295	298	302	301	28
180°	296	296	296	296	296	

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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°	0.6	2.3	4.5	5.7	6.8	8.5	11.4	15.3	18.8	19.3	18.8
92.5°	8.5	11.9	16.5	19.3	23.9	30.1	45.5	67.1	86.4	87.5	73.3
95°	19.9	22.2	27.8	33.0	42.1	55.7	81.8	131.3	197.2	222.8	194.9
97.5°	29.6	33.0	39.2	46.6	56.8	72.2	105.7	174.5	280.8	363.2	366.0
100°	43.8	45.5	50.6	59.7	71.0	87.0	117.1	186.4	309.2	449.0	530.8
102.5°	56.8	58.0	63.1	72.2	84.1	100.0	127.3	187.0	298.4	451.8	592.2
105°	69.3	71.6	75.6	84.1	96.6	112.5	139.2	189.8	283.6	421.1	572.3
107.5°	83.0	84.7	88.7	96.6	109.1	125.0	151.2	196.1	275.6	392.7	530.3
110°	96.6	98.9	102.3	109.7	121.6	138.1	163.1	204.0	273.4	373.4	491.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	109.1	111.4	115.4	122.2	133.6	150.6	174.5	212.6	273.9	360.9	463.8
115°	122.2	125.0	128.4	135.3	146.6	162.0	186.4	221.1	276.2	352.4	442.2
117.5°	135.8	138.1	141.5	147.8	158.6	174.5	197.2	230.2	279.6	347.8	427.4
120°	148.3	150.6	154.0	159.1	170.5	186.4	208.6	239.3	283.0	343.8	416.0
122.5°	160.3	162.0	165.4	171.1	182.4	198.9	219.4	247.2	287.0	341.6	406.4
125°	170.5	172.2	175.6	182.4	193.8	209.7	230.2	255.7	291.0	338.7	397.3
127.5°	179.0	181.3	185.8	193.2	204.0	220.5	240.4	263.7	295.0	337.0	388.7
130°	186.4	188.7	194.4	202.3	213.7	229.6	249.5	271.1	299.5	335.9	380.2
132.5°	193.2	196.1	202.3	210.9	222.8	238.7	257.5	278.5	304.1	335.3	373.4
135°	200.1	202.3	209.1	217.7	230.7	246.7	264.8	284.7	307.5	334.7	367.1
137.5°	206.3	209.1	216.0	225.1	238.1	252.9	271.1	289.8	310.9	334.7	362.6
140°	213.7	216.0	222.8	231.9	244.4	259.2	276.2	293.8	313.2	334.2	358.6
142.5°	221.1	222.8	229.0	238.1	250.1	263.7	280.2	297.2	314.9	334.2	354.6
145°	228.5	230.7	236.4	245.0	256.3	268.8	284.2	300.1	316.0	333.0	351.2
147.5°	236.4	238.1	243.8	251.8	261.4	272.8	287.6	301.8	316.6	331.3	347.8
150°	244.4	246.1	250.6	258.0	266.5	276.8	289.8	302.9	316.0	329.6	343.3
152.5°	252.3	252.9	257.5	263.7	271.7	280.8	292.1	303.5	314.9	326.8	339.3
155°	259.7	260.3	263.7	270.0	276.2	284.7	294.4	304.1	313.7	323.4	334.2
157.5°	266.0	266.5	269.4	275.1	280.2	287.6	296.1	304.1	311.4	320.0	329.6
160°	272.2	272.8	275.1	279.6	284.2	290.4	297.2	304.1	309.7	316.6	324.5
162.5°	278.5	277.9	280.2	283.6	287.6	292.1	297.8	303.5	308.0	313.7	320.0
165°	283.0	282.5	283.6	287.0	289.8	293.3	298.4	302.4	305.8	309.7	314.9
167.5°	287.0	286.4	287.6	289.8	292.1	294.4	298.4	301.8	303.5	306.3	309.7
170°	291.0	289.8	290.4	292.1	293.3	295.0	297.8	300.6	301.8	303.5	305.8
172.5°	293.3	292.7	292.1	293.8	294.4	295.5	297.2	298.9	299.5	300.1	301.8
175°	295.0	294.4	293.8	295.0	295.0	295.5	296.7	297.8	297.2	297.8	298.4
177.5°	296.1	295.0	294.4	295.5	295.5	295.5	296.1	297.2	296.1	295.5	296.1
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

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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°	18.2	17.0	18.2	18.8	18.8	18.8	18.8	18.8
92.5°	57.4	48.9	42.6	38.1	37.5	35.2	35.8	34.7
95°	148.9	114.2	90.4	77.9	70.5	65.9	64.2	64.8
97.5°	304.6	243.2	185.8	151.7	129.6	118.2	112.0	108.6
100°	518.9	448.4	370.6	301.8	254.6	230.2	213.7	203.5
102.5°	659.3	657.0	605.3	531.4	479.1	433.1	411.5	396.7
105°	690.5	754.7	762.1	743.4	708.1	672.9	648.5	640.5
107.5°	657.0	752.5	808.2	830.9	830.3	825.2	817.8	804.8
110°	611.0	712.7	785.4	832.0	856.5	867.3	872.4	871.8

TEST NUMBER: P1007390

CATALOG NUMBER: S122IP-B530UB2750-4F0-XX-W2A-4_4000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	568.9	665.5	744.5	799.6	836.0	855.9	866.7	870.7
115°	535.9	623.5	697.9	756.5	796.8	822.9	837.7	842.8
117.5°	508.7	587.1	656.4	712.1	753.6	781.5	796.8	800.8
120°	489.3	559.8	620.1	671.8	711.6	738.3	754.7	760.4
122.5°	474.0	537.1	593.3	638.8	673.5	699.6	713.8	718.4
125°	459.2	517.8	567.8	610.4	643.4	664.9	679.2	683.7
127.5°	444.4	498.4	546.2	586.0	614.9	635.4	647.9	651.3
130°	430.2	479.1	524.0	561.5	589.4	608.7	620.1	624.6
132.5°	416.6	460.9	501.3	535.9	563.2	582.5	592.8	596.7
135°	404.1	441.6	479.1	510.9	535.4	554.1	564.4	566.6
137.5°	393.9	426.2	456.9	485.4	508.7	525.1	534.2	537.6
140°	384.2	411.5	437.6	462.6	480.8	495.6	504.1	507.5
142.5°	376.2	398.4	420.0	439.9	456.9	470.0	477.4	477.4
145°	368.8	387.6	405.2	421.7	435.3	445.0	450.7	452.4
147.5°	363.2	378.5	392.7	405.2	417.2	425.1	429.1	430.2
150°	356.9	369.4	381.4	391.6	400.1	406.9	410.3	410.9
152.5°	350.7	362.0	371.7	380.2	386.5	392.1	394.4	394.4
155°	345.0	354.1	362.6	368.8	375.1	379.1	381.4	380.2
157.5°	338.2	346.1	353.5	358.6	363.2	366.6	367.7	367.7
160°	331.9	338.2	344.4	348.4	352.4	355.2	355.8	355.8
162.5°	325.7	330.8	335.9	338.7	342.7	344.4	345.0	344.4
165°	319.4	323.4	327.4	329.6	331.9	334.2	334.2	333.6
167.5°	313.2	316.6	319.4	321.7	322.8	323.9	323.9	323.4
170°	308.6	310.3	312.6	313.7	314.3	316.0	315.4	314.3
172.5°	303.5	304.6	306.3	306.9	307.5	308.0	307.5	306.9
175°	300.1	300.6	301.2	301.8	301.8	302.4	301.8	300.6
177.5°	297.2	297.2	297.8	297.8	297.8	297.8	297.2	296.1
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

(END OF REPORT)