

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: McGRAW-EDISON

Report Number: P197875

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM-SG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33418)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-5WQ-PM-SG-LWR-LW-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649.9 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): 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

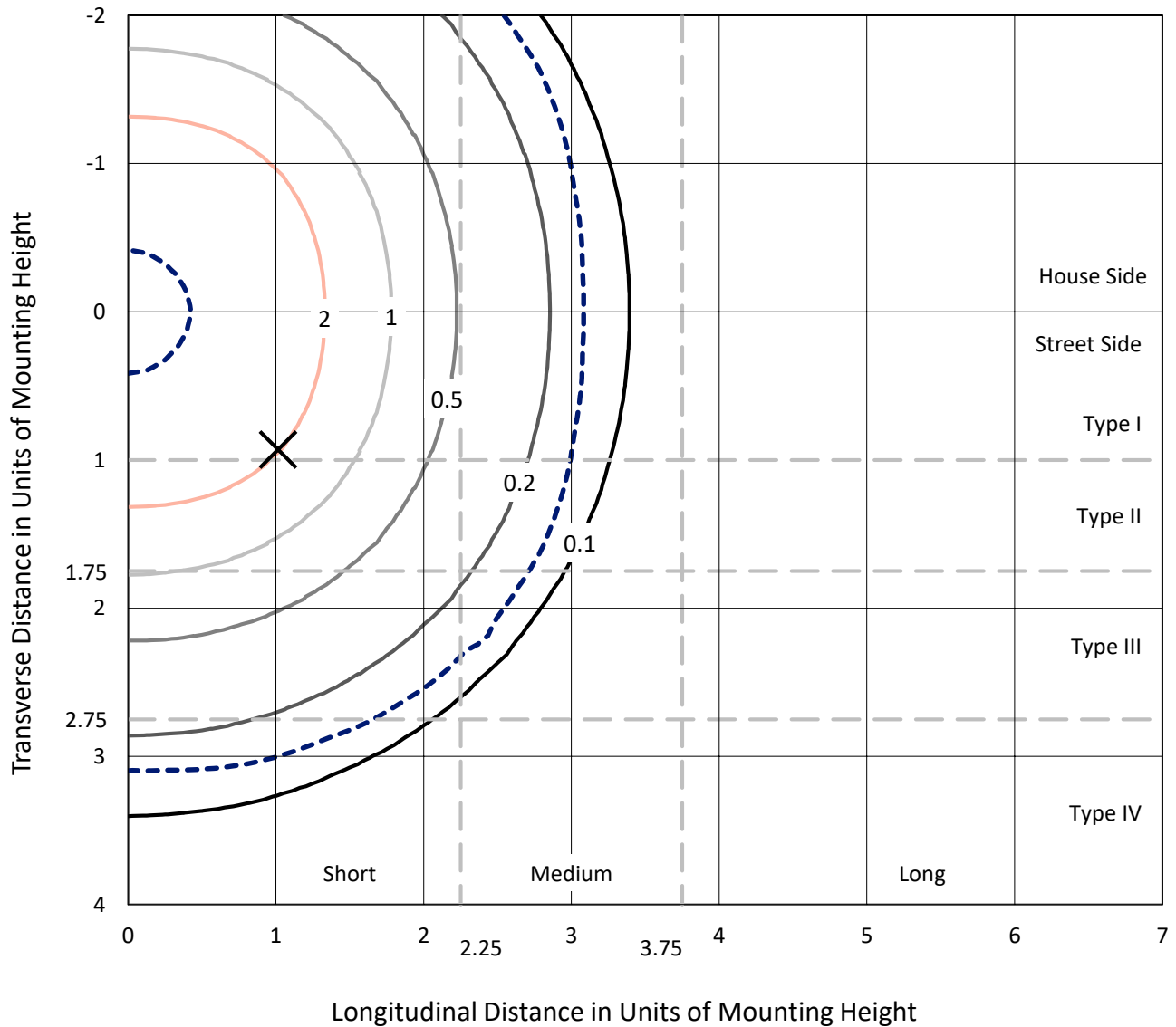


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

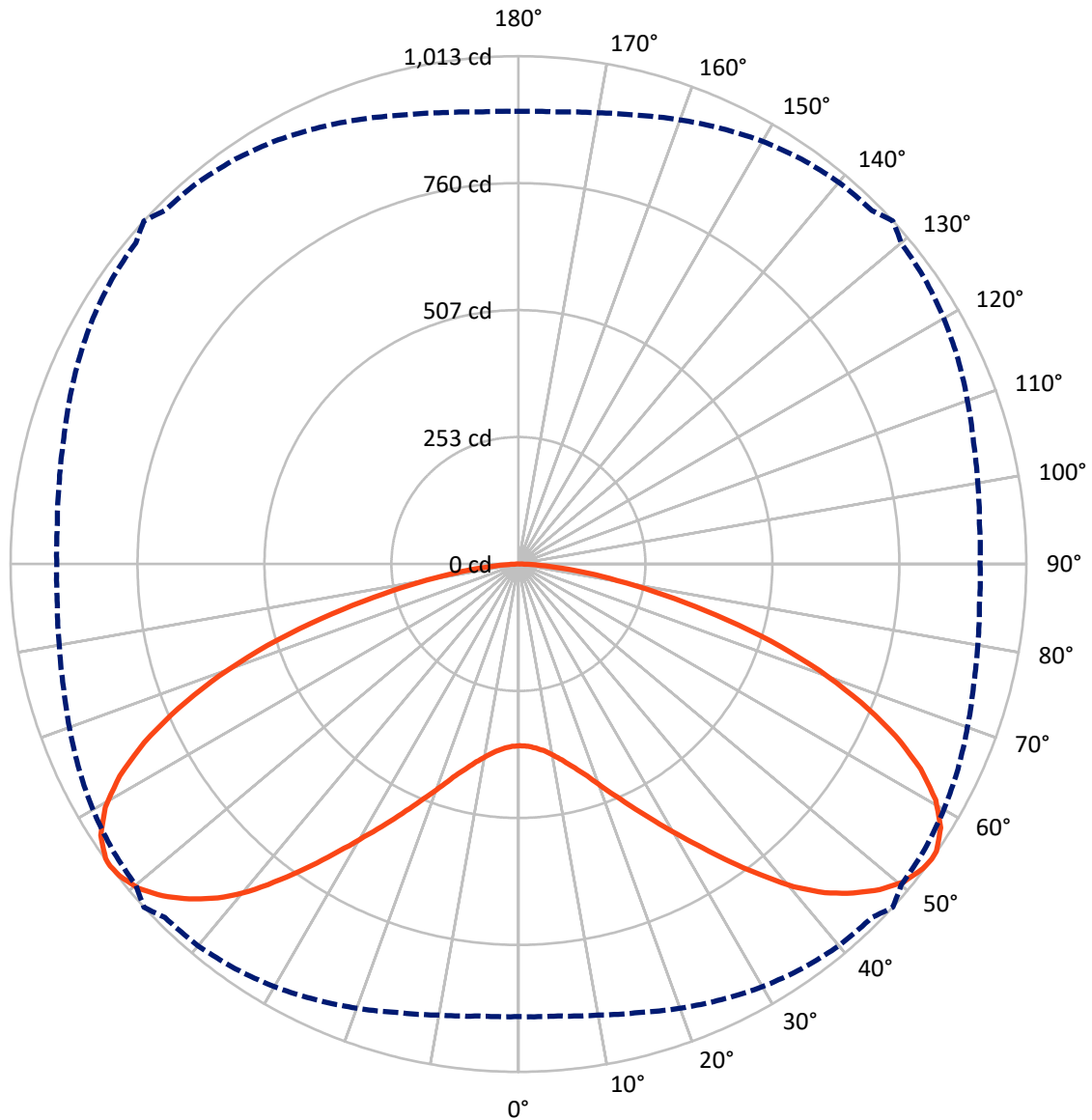


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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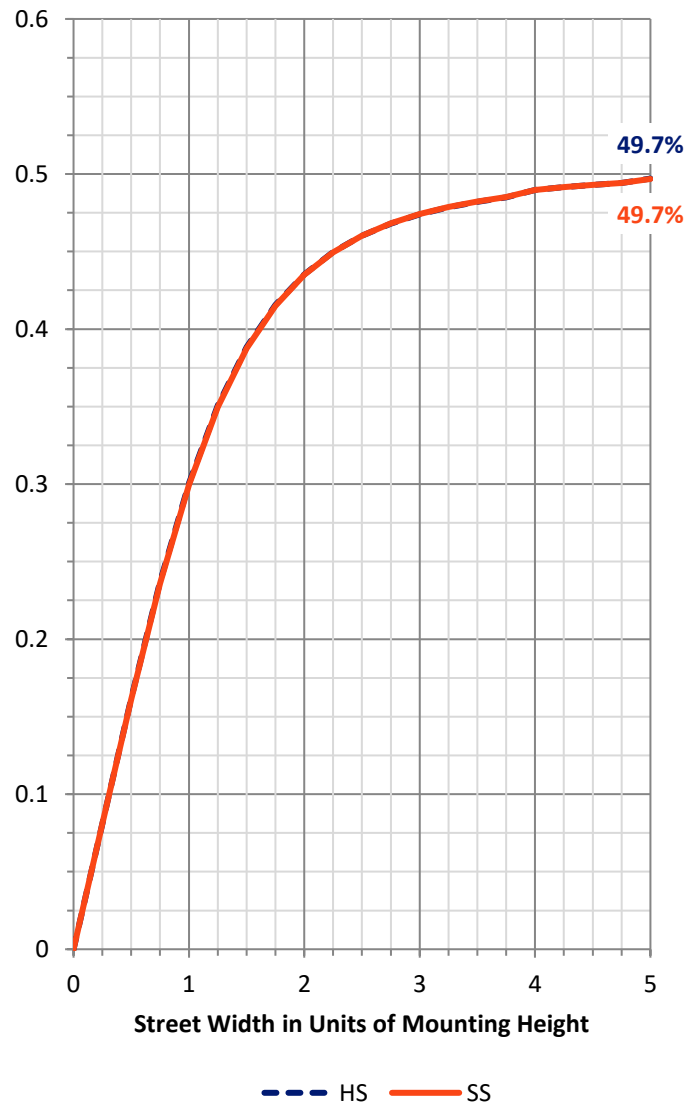
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1824.9	0.0	1824.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1824.9	0.0	1824.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3649.9	0.0	3649.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	1.0
10°-20°	121.3	3.3
20°-30°	249.7	6.8
30°-40°	446.6	12.2
40°-50°	685.2	18.8
50°-60°	844.8	23.1
60°-70°	764.3	20.9
70°-80°	420.8	11.5
80°-90°	81.4	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3649.9	100.0
0°-180°	3649.9	100.0



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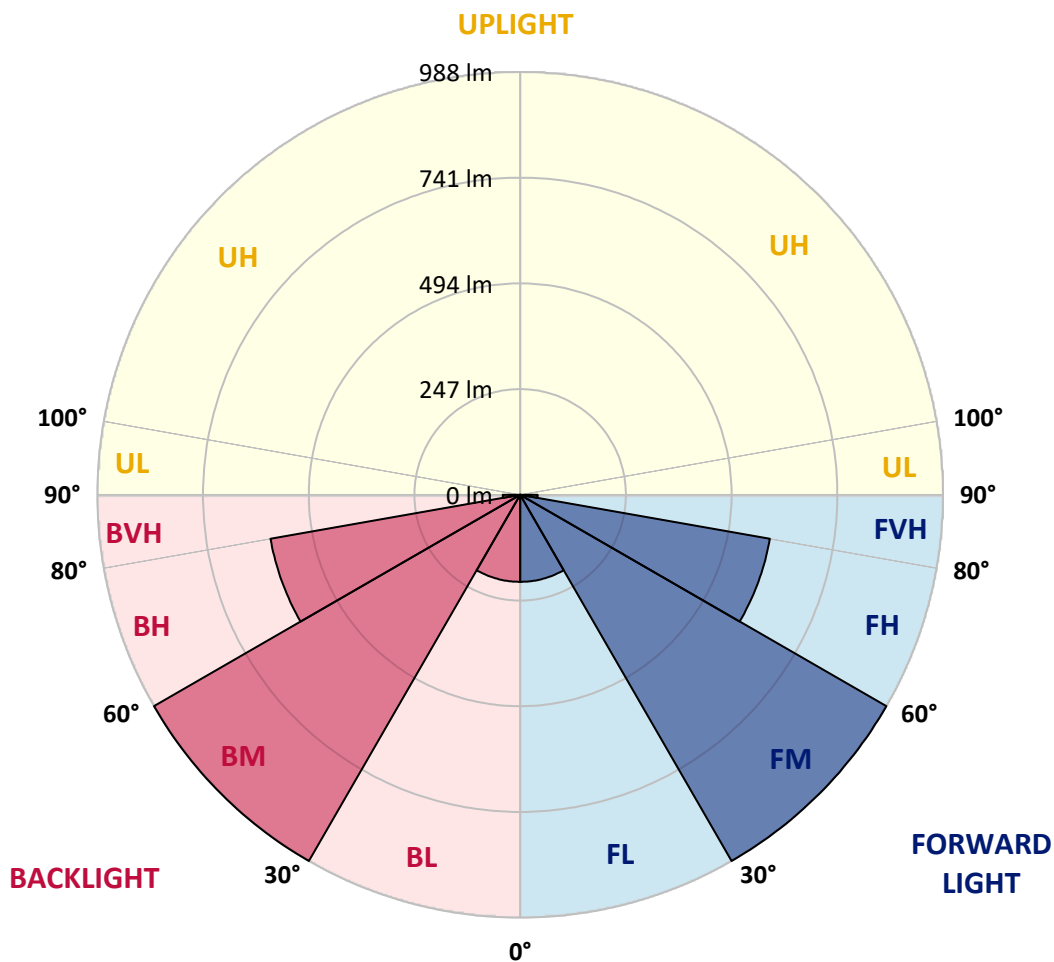
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.4	5.6			
FM	(30°-60°)	988.3	27.1			
FH	(60°-80°)	592.5	16.2			G0/660
FVH	(80°-90°)	40.7	1.1			G1/100
BL	(0°-30°)	203.4	5.6	B1/500		
BM	(30°-60°)	988.3	27.1	B1/1000		
BH	(60°-80°)	592.5	16.2	B2/1000		G0/660
BVH	(80°-90°)	40.7	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4
2.5°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0
5°	368.7	368.7	368.7	369.5	368.7	368.7	368.7	368.7	368.7	368.7	368.7
7.5°	376.6	376.6	376.6	376.6	376.6	376.6	375.8	375.8	376.6	375.8	376.6
10°	387.6	386.8	386.8	387.6	387.6	386.8	387.6	387.6	387.6	387.6	388.4
12.5°	401.8	401.8	402.6	402.6	402.6	403.4	403.4	402.6	403.4	403.4	403.4
15°	420.7	420.7	420.7	420.7	421.5	422.3	421.5	421.5	420.7	420.7	422.3
17.5°	442.8	442.8	442.8	442.8	444.3	444.3	443.6	444.3	445.1	445.1	444.3
20°	469.6	468.8	468.0	468.8	470.3	470.3	471.1	471.9	471.9	471.9	473.5
22.5°	497.9	497.1	498.7	499.5	500.3	501.1	501.1	501.9	503.4	502.6	505.0
25°	529.4	528.6	529.4	531.0	534.2	534.2	534.9	536.5	536.5	535.7	541.2
27.5°	564.9	564.9	565.7	568.8	569.6	570.4	572.8	574.3	576.7	576.7	581.4
30°	603.5	602.7	604.3	607.4	609.8	612.2	615.3	619.2	620.0	620.8	625.5
32.5°	642.9	642.9	644.5	650.0	653.9	657.9	662.6	666.5	668.1	668.1	675.2
35°	684.6	685.4	689.4	693.3	701.2	705.9	710.6	716.2	719.3	720.9	730.3
37.5°	728.8	731.1	734.3	739.8	747.7	755.5	762.6	771.3	776.0	777.6	787.8
40°	770.5	773.7	778.4	786.3	794.1	805.2	813.8	822.5	828.0	831.2	846.9
42.5°	811.5	813.1	818.6	827.2	837.5	847.7	859.5	869.0	874.5	879.2	896.6
45°	843.8	845.4	852.4	862.7	874.5	887.1	898.9	910.0	915.5	919.4	936.7
47.5°	870.6	873.7	881.6	891.8	903.7	918.6	932.0	943.1	950.1	952.5	970.6
50°	890.3	895.0	902.1	913.9	928.1	943.1	957.2	969.0	976.9	980.1	996.6
52.5°	901.3	905.2	913.1	924.9	941.5	956.4	971.4	983.2	991.9	995.0	1010.0
54°	902.9	905.2	913.9	926.5	943.1	958.8	973.8	985.6	994.3	997.4	1013.2
55°	901.3	902.9	912.3	924.1	941.5	957.2	972.2	984.0	993.5	996.6	1011.6
57.5°	885.5	887.9	895.8	908.4	924.1	942.3	956.4	968.3	977.7	979.3	993.5
60°	853.2	856.4	863.5	876.9	892.6	908.4	922.6	932.8	941.5	946.2	956.4
62.5°	806.8	808.3	815.4	827.2	841.4	858.0	869.0	879.2	887.1	891.8	900.5
65°	740.6	747.7	753.2	762.6	773.7	787.1	801.2	809.1	813.1	820.9	827.2
67.5°	666.5	671.2	676.8	685.4	692.5	701.2	714.6	721.7	726.4	731.9	737.4
70°	583.8	582.2	588.5	593.2	601.1	606.6	615.3	619.2	624.8	627.9	637.4
72.5°	485.3	487.7	493.2	498.7	501.1	502.6	509.7	512.1	516.8	515.3	527.1
75°	396.3	392.3	393.9	394.7	396.3	394.7	399.4	401.8	404.2	401.8	408.1
77.5°	299.4	294.7	296.2	295.4	295.4	293.9	293.1	293.1	293.9	292.3	296.2
80°	206.4	204.1	204.8	206.4	202.5	203.3	198.5	198.5	198.5	198.5	200.1
82.5°	127.6	124.5	123.7	124.5	124.5	122.1	122.9	119.8	119.0	118.2	125.3
85°	62.2	60.7	62.2	60.7	59.9	59.9	58.3	59.1	57.5	56.7	61.5
87.5°	16.5	15.8	15.8	15.8	15.0	15.8	15.8	15.8	15.8	16.5	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°
0°	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4
2.5°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	363.2
5°	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7
7.5°	376.6	376.6	375.8	375.8	375.8	375.8	375.8	375.8	375.8
10°	387.6	388.4	386.8	386.8	387.6	386.8	386.8	386.0	386.0
12.5°	403.4	402.6	403.4	403.4	402.6	401.8	401.0	400.2	401.0
15°	421.5	420.7	420.7	420.7	419.9	419.9	419.1	419.9	419.1
17.5°	443.6	443.6	444.3	442.0	442.8	441.2	441.2	441.2	440.4
20°	471.9	471.1	470.3	468.0	468.8	467.2	466.4	465.6	464.8
22.5°	502.6	501.1	500.3	497.9	498.7	497.1	494.8	493.2	493.2
25°	536.5	534.9	533.4	532.6	531.8	528.6	527.1	524.7	526.3
27.5°	576.7	573.6	571.2	568.0	568.8	564.9	563.3	561.7	561.7
30°	620.0	617.7	613.7	611.4	610.6	606.6	603.5	601.9	601.1
32.5°	667.3	665.7	663.4	659.4	657.9	651.5	649.2	646.8	646.0
35°	723.2	719.3	716.9	711.4	705.9	702.0	696.5	694.9	693.3
37.5°	775.2	775.2	771.3	765.0	757.1	751.6	746.9	743.7	741.4
40°	830.4	828.8	822.5	817.0	809.1	801.2	792.6	789.4	787.8
42.5°	879.2	876.1	869.8	862.7	854.8	845.4	835.9	831.2	830.4
45°	920.2	916.3	910.0	900.5	890.3	880.8	872.1	867.4	865.1
47.5°	953.3	948.6	940.7	932.0	920.2	909.2	900.5	895.8	892.6
50°	977.7	973.8	965.1	954.1	942.3	929.7	921.0	915.5	913.1
52.5°	993.5	988.0	978.5	966.7	953.3	940.7	930.4	924.1	921.8
54°	996.6	990.3	980.1	967.5	953.3	939.9	930.4	923.4	921.0
55°	995.0	988.7	977.7	965.9	950.9	937.5	927.3	920.2	917.8
57.5°	978.5	971.4	961.2	948.6	932.8	919.4	910.0	902.1	899.7
60°	943.1	936.7	924.9	913.9	898.1	884.7	874.5	866.6	864.3
62.5°	888.7	883.2	872.9	861.9	845.4	833.5	823.3	818.6	812.3
65°	816.2	812.3	802.0	788.6	776.8	765.0	754.8	751.6	747.7
67.5°	729.5	724.0	720.1	706.7	697.2	686.2	676.0	669.7	668.1
70°	627.1	624.8	620.8	608.2	602.7	593.2	586.2	580.6	579.1
72.5°	516.8	514.5	513.7	507.4	500.3	491.6	488.5	483.7	482.9
75°	401.8	400.2	401.8	397.1	394.7	392.3	390.8	390.8	388.4
77.5°	290.7	293.1	293.9	293.9	295.4	295.4	297.0	294.7	292.3
80°	197.7	200.1	199.3	200.9	200.1	205.6	201.7	204.8	201.7
82.5°	119.0	122.1	122.1	122.1	125.3	124.5	124.5	126.1	125.3
85°	58.3	59.1	58.3	57.5	61.5	60.7	60.7	59.9	60.7
87.5°	17.3	15.8	16.5	15.0	16.5	14.2	15.8	15.8	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)