

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: LUMARK

Report Number: P600751

Luminaire Tested: **ASWPLED1S-20W-3000K**

Issue Date: 7/7/2022

Test Information

Test Method: LM-79-08
Report Number: P600751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (20210926)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: ASWPLED1S-20W-3000K
Description: SLIM WALL PACK, WATTAGE AND CCT SELECTABLE
Light Source: (98) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2498.7 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.55' x L: 0.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

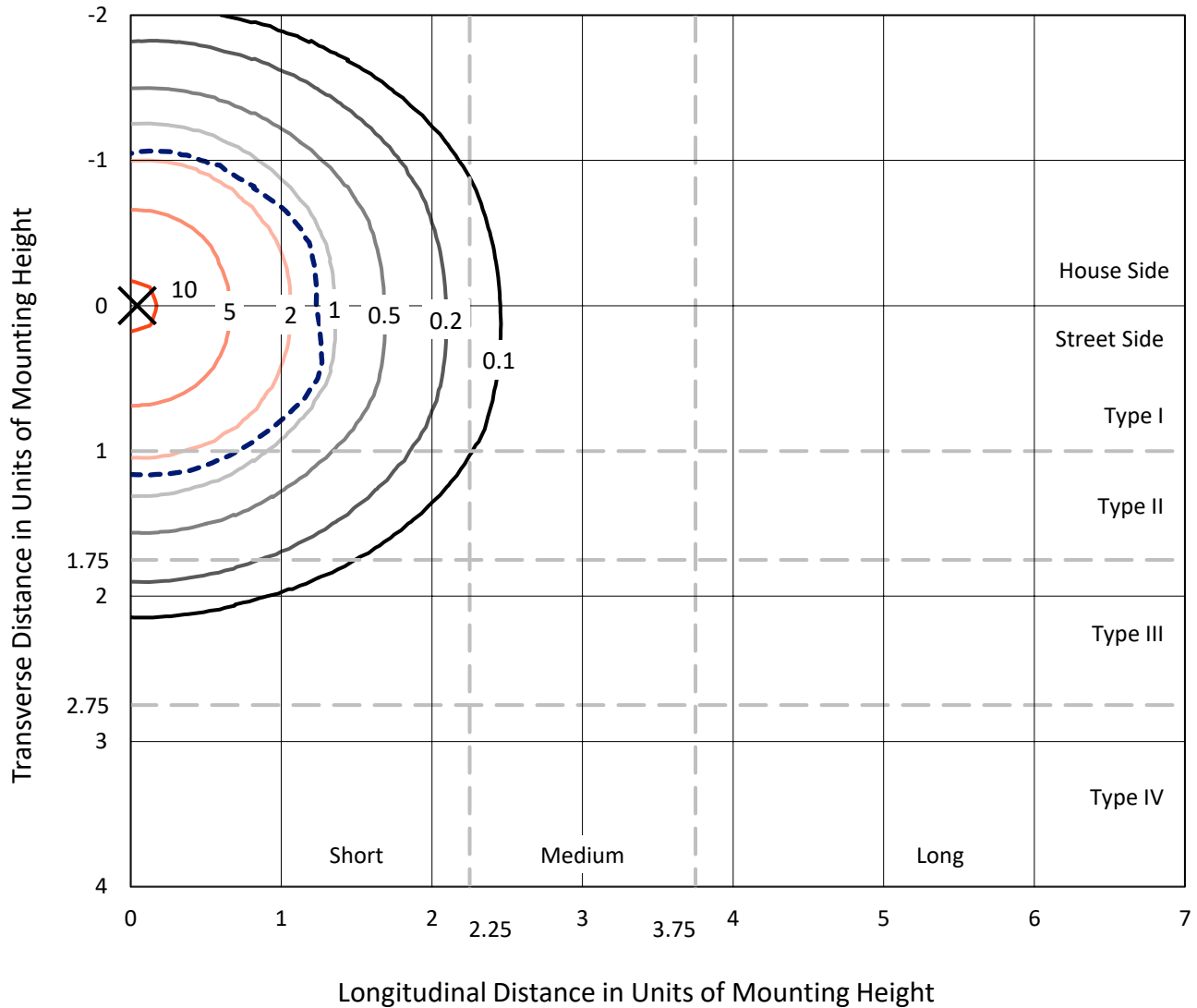
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

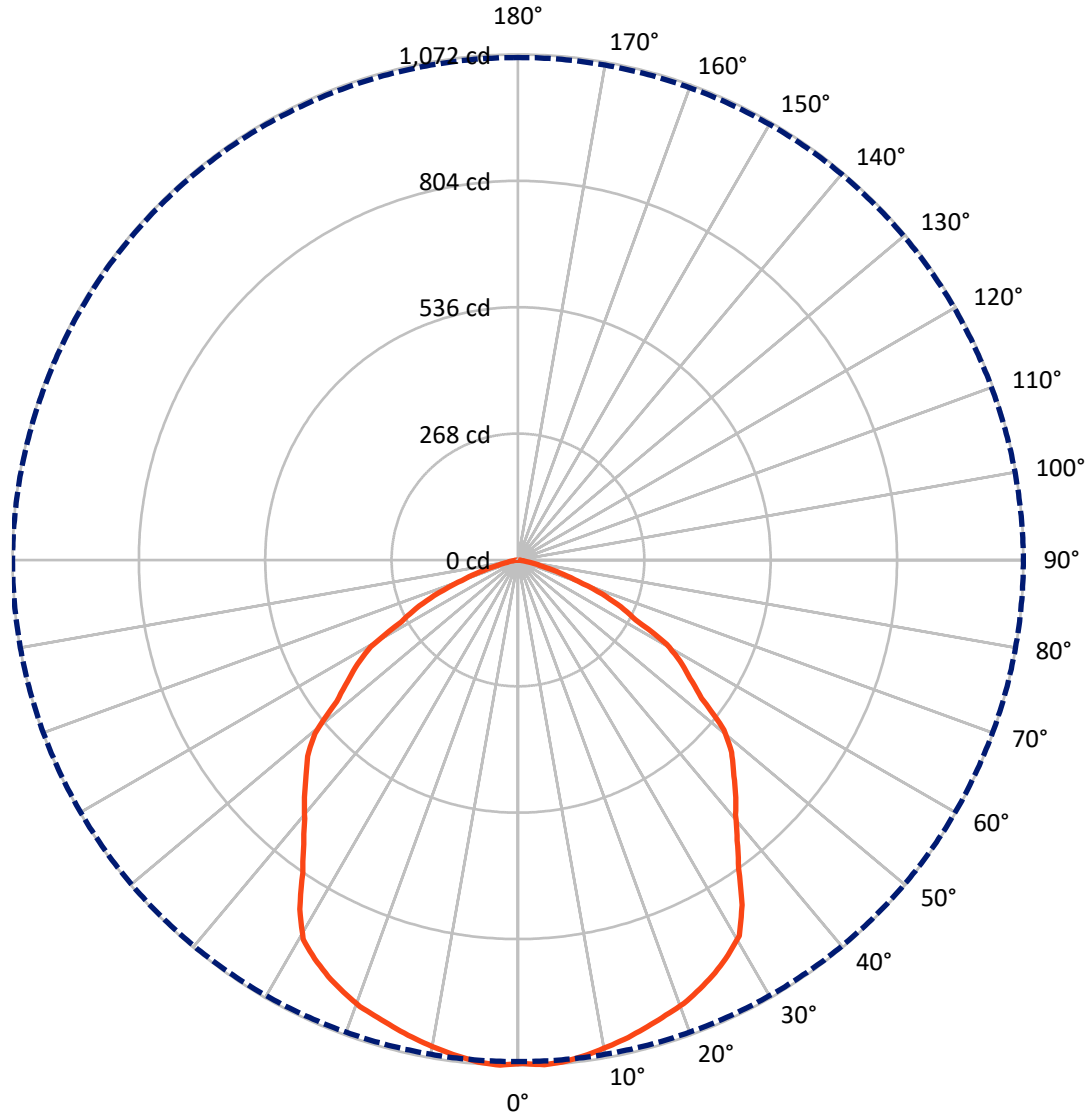
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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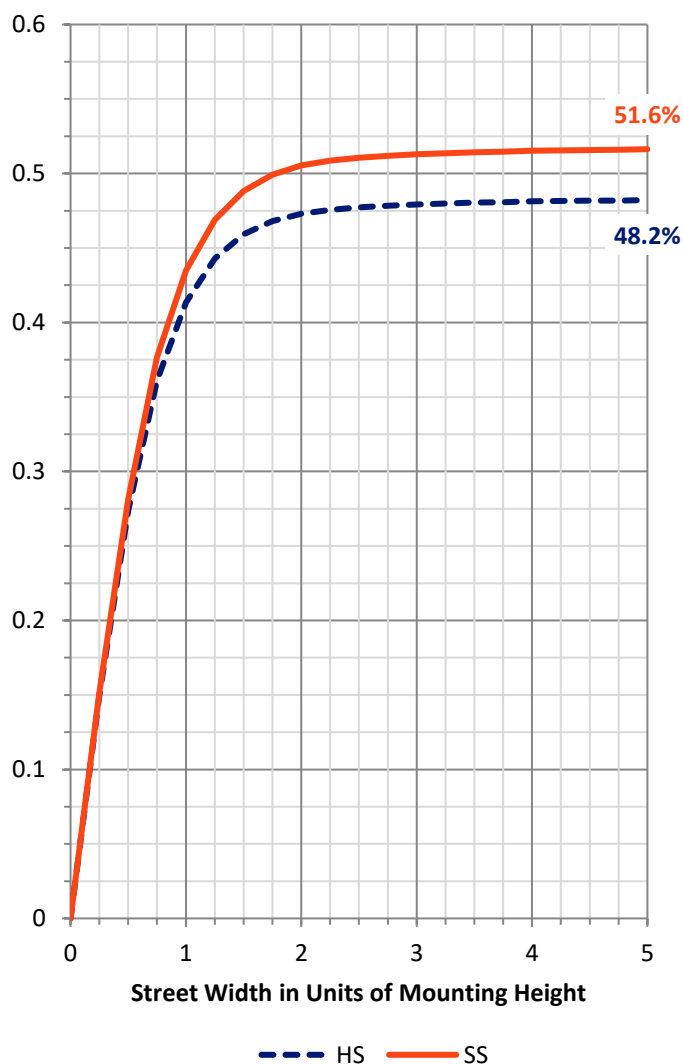
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.2	0.0	1211.2
	% Fixture	48.5	0.0	48.5
Street Side	Lumens	1287.5	0.0	1287.5
	% Fixture	51.5	0.0	51.5
Total	Lumens	2498.7	0.0	2498.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	4.1
10°-20°	291.7	11.7
20°-30°	450.3	18.0
30°-40°	534.1	21.4
40°-50°	500.4	20.0
50°-60°	374.3	15.0
60°-70°	188.6	7.5
70°-80°	52.8	2.1
80°-90°	5.2	0.2
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°	2498.7	100.0
0°-180°	2498.7	100.0

Coefficient of Utilization



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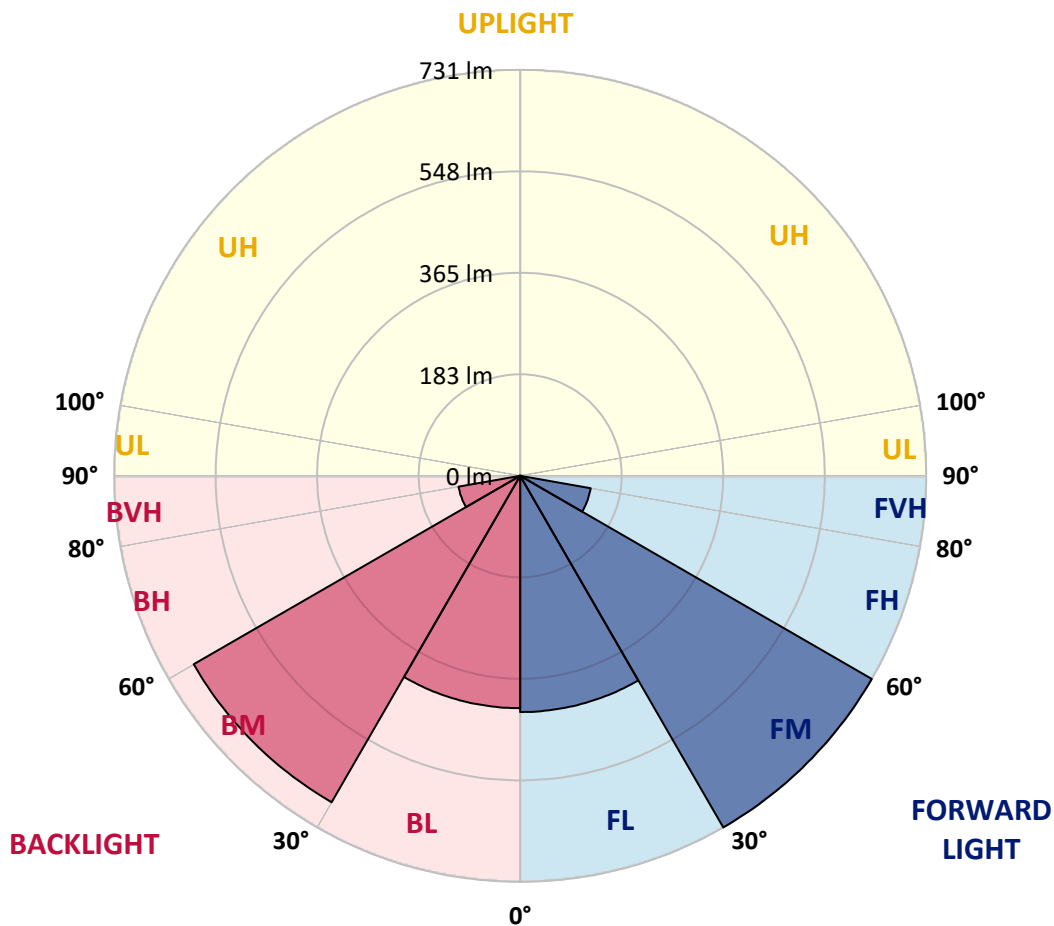
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.1	17.0			
FM (30°-60°)	730.6	29.2			
FH (60°-80°)	128.8	5.2			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	418.2	16.7	B1/500		
BM (30°-60°)	678.3	27.1	B1/1000		
BH (60°-80°)	112.5	4.5	B1/500		G0/660
BVH (80°-90°)	2.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2
2.5°	1063.2	1064.1	1065.1	1066.6	1068.4	1069.6	1070.2	1070.7	1071.1	1071.5	1070.0
5°	1060.7	1062.6	1064.4	1066.0	1067.5	1068.4	1068.9	1069.1	1068.4	1067.7	1068.1
7.5°	1058.7	1059.7	1060.7	1061.4	1062.0	1062.6	1063.3	1063.3	1061.1	1059.0	1058.9
10°	1055.8	1056.8	1057.8	1057.3	1056.4	1056.1	1056.6	1056.0	1052.5	1049.0	1049.8
12.5°	1050.6	1050.8	1050.9	1050.3	1049.3	1047.6	1045.1	1042.7	1040.7	1038.7	1038.9
15°	1042.7	1042.5	1042.3	1041.8	1041.1	1038.8	1035.0	1031.5	1029.0	1026.6	1027.0
17.5°	1033.6	1032.6	1031.5	1030.9	1030.5	1028.2	1024.0	1020.1	1017.5	1014.8	1015.0
20°	1023.9	1023.6	1023.4	1021.4	1018.9	1015.9	1012.3	1009.0	1006.4	1003.8	1003.9
22.5°	1012.0	1012.6	1013.2	1010.0	1005.4	1001.7	998.8	995.7	991.8	987.9	987.6
25°	997.7	997.8	997.9	994.7	990.5	986.6	983.1	979.2	974.6	970.0	969.7
27.5°	983.5	981.8	980.0	977.6	974.9	971.1	966.2	961.0	954.8	948.7	948.3
30°	963.1	961.9	960.6	958.8	956.9	952.9	947.0	940.5	932.3	924.2	924.2
32.5°	939.6	938.0	936.3	935.0	933.8	929.3	921.7	911.1	891.8	872.6	875.7
35°	901.8	905.2	908.6	908.4	907.0	899.9	887.2	869.6	837.5	805.4	806.2
37.5°	816.5	833.4	850.4	862.6	873.3	865.0	837.8	810.3	782.5	754.7	751.5
40°	757.5	763.7	769.9	795.8	828.4	825.7	787.8	754.0	732.2	710.5	711.1
42.5°	718.9	721.1	723.3	751.0	787.2	783.4	739.7	703.5	690.0	676.5	678.3
45°	629.1	651.1	673.1	698.3	724.6	723.2	694.0	668.6	654.5	640.5	644.7
47.5°	574.4	583.0	591.6	608.4	627.9	637.7	637.8	634.7	622.1	609.6	612.5
50°	526.3	533.9	541.5	550.7	560.4	573.5	589.8	598.0	582.1	566.2	572.2
52.5°	435.1	450.9	466.7	481.0	494.7	515.1	542.3	554.2	520.8	487.4	498.2
55°	390.6	394.8	399.0	407.5	417.4	440.3	476.2	496.5	469.8	443.1	446.3
57.5°	306.3	320.5	334.7	351.7	369.7	395.4	428.9	448.7	427.1	405.5	407.2
60°	248.0	260.9	273.9	287.8	302.1	330.4	372.7	399.8	380.9	362.1	361.6
62.5°	191.0	197.8	204.6	224.4	248.5	276.4	307.9	325.8	303.0	280.2	286.4
65°	131.6	136.9	142.2	161.6	185.8	211.3	238.0	256.1	247.9	239.8	233.4
67.5°	79.1	84.7	90.3	110.5	135.5	162.2	190.5	209.7	201.4	193.0	187.9
70°	70.0	68.7	67.4	76.1	88.0	107.9	135.8	154.3	144.8	135.2	128.3
72.5°	57.7	57.3	56.9	56.7	56.6	66.7	86.9	101.1	97.0	92.9	88.8
75°	43.7	43.7	43.6	42.7	41.4	46.9	59.0	66.4	59.4	52.5	52.3
77.5°	30.3	30.3	30.3	30.1	29.9	31.3	34.4	35.8	32.1	28.4	28.8
80°	18.2	18.2	18.3	18.4	18.5	18.2	17.5	16.6	15.1	13.5	13.4
82.5°	8.8	8.8	8.9	9.1	9.3	9.4	9.4	9.0	7.6	6.2	6.4
85°	3.0	3.0	2.9	3.0	3.2	3.4	3.6	3.6	3.0	2.4	2.5
87.5°	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1
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):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2
2.5°	1068.5	1068.1	1068.0	1067.4	1066.3	1065.4	1065.3	1065.2
5°	1068.4	1066.4	1063.6	1062.5	1063.1	1063.4	1062.7	1062.0
7.5°	1058.8	1058.6	1058.4	1058.2	1058.0	1057.8	1057.7	1057.7
10°	1050.7	1050.7	1050.4	1050.5	1050.9	1050.8	1049.4	1047.9
12.5°	1039.2	1040.1	1041.1	1040.9	1039.4	1038.2	1037.8	1037.4
15°	1027.4	1028.0	1028.6	1028.3	1027.1	1026.1	1025.9	1025.6
17.5°	1015.1	1014.3	1013.2	1012.5	1012.2	1012.2	1013.1	1014.0
20°	1004.0	1001.9	999.0	997.8	998.1	998.4	998.3	998.2
22.5°	987.2	985.6	983.5	982.5	982.6	982.5	981.7	980.9
25°	969.5	968.1	966.4	964.7	962.9	961.5	961.5	961.5
27.5°	948.0	946.8	945.3	944.0	942.9	941.8	940.7	939.5
30°	924.3	923.4	922.2	920.8	919.1	917.5	916.2	915.0
32.5°	878.8	885.4	893.2	895.5	892.3	889.5	887.9	886.3
35°	807.0	828.0	855.8	867.5	863.0	854.9	835.5	816.1
37.5°	748.3	776.5	815.2	824.0	803.1	782.3	762.3	742.3
40°	711.7	732.8	760.7	760.9	733.4	712.0	708.8	705.6
42.5°	680.2	686.9	695.1	693.5	681.9	669.8	656.2	642.6
45°	648.9	644.3	636.9	628.9	620.3	607.8	583.8	559.8
47.5°	615.4	596.5	570.3	552.3	542.4	533.7	528.2	522.7
50°	578.1	556.3	525.2	506.2	499.3	488.1	464.1	440.1
52.5°	509.0	495.4	473.6	451.8	429.8	410.6	399.7	388.8
55°	449.4	429.3	401.5	380.7	367.0	352.0	333.1	314.2
57.5°	408.9	386.2	355.4	327.5	302.6	282.2	275.3	268.4
60°	361.0	331.4	292.1	264.6	248.9	233.0	216.5	200.1
62.5°	292.7	271.4	240.9	213.2	188.4	167.7	159.3	150.9
65°	227.1	206.0	180.1	155.7	133.0	114.3	107.3	100.3
67.5°	182.7	161.3	134.3	111.2	92.0	77.8	78.8	79.8
70°	121.3	107.2	90.7	78.4	70.3	64.7	66.3	67.9
72.5°	84.8	72.3	57.1	49.8	50.6	51.4	52.3	53.1
75°	52.1	46.5	39.2	35.9	36.6	37.3	37.7	38.1
77.5°	29.2	27.7	25.5	24.4	24.3	24.3	24.4	24.5
80°	13.3	13.6	14.0	14.0	13.6	13.3	13.4	13.4
82.5°	6.6	6.6	6.6	6.4	6.0	5.6	5.5	5.5
85°	2.6	2.4	2.2	2.0	1.9	1.8	2.0	2.1
87.5°	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)