

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: P600753

Luminaire Tested: **ASWPLED1S-20W-5000K**

Issue Date: 7/7/2022

Test Information

Test Method: LM-79-08
Report Number: P600753
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-5000K
Description: SLIM WALL PACK, WATTAGE AND CCT SELECTABLE
Light Source: (98) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2584.3 lumens
Efficiency: N/A
Efficacy: 131.9 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

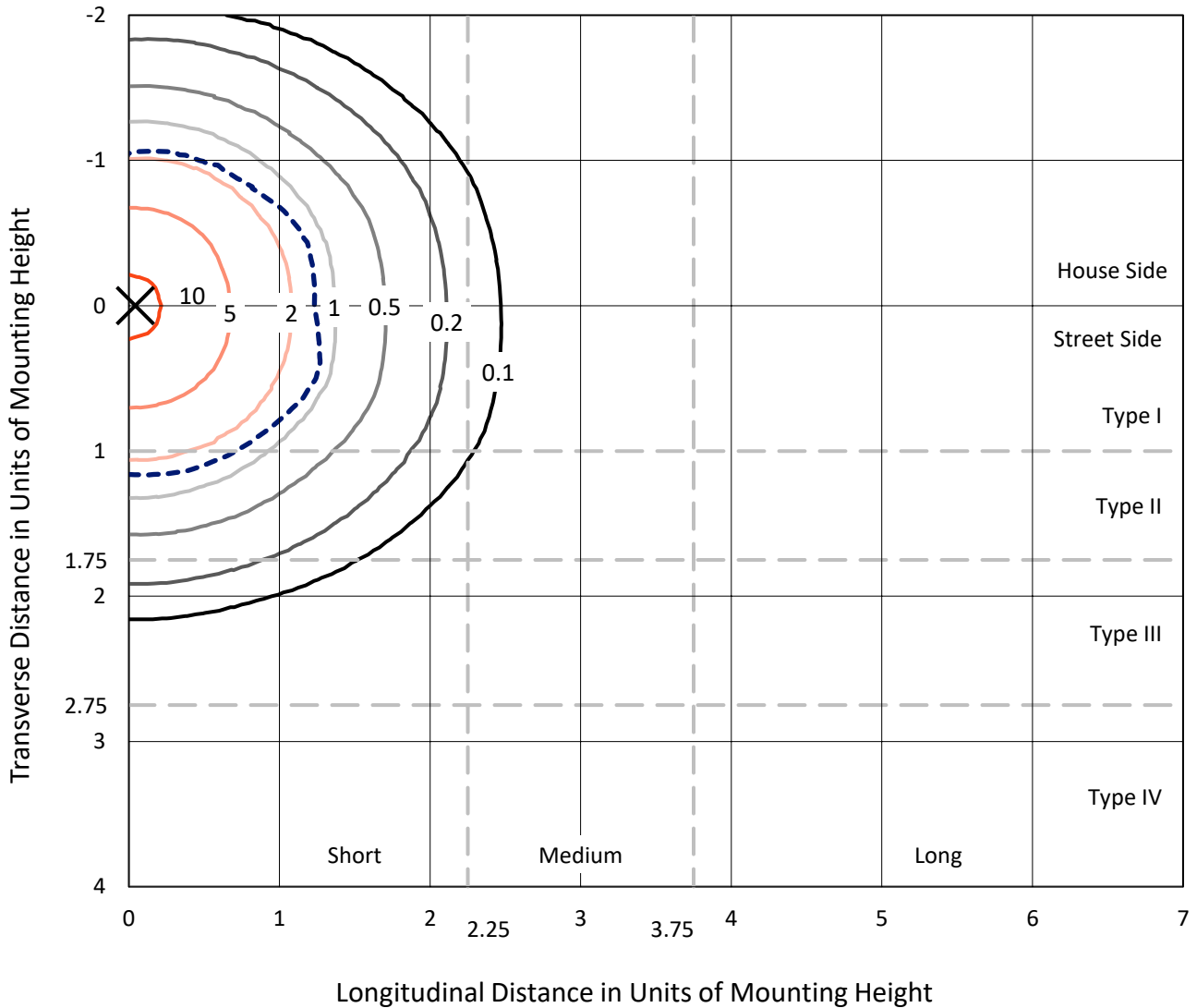
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

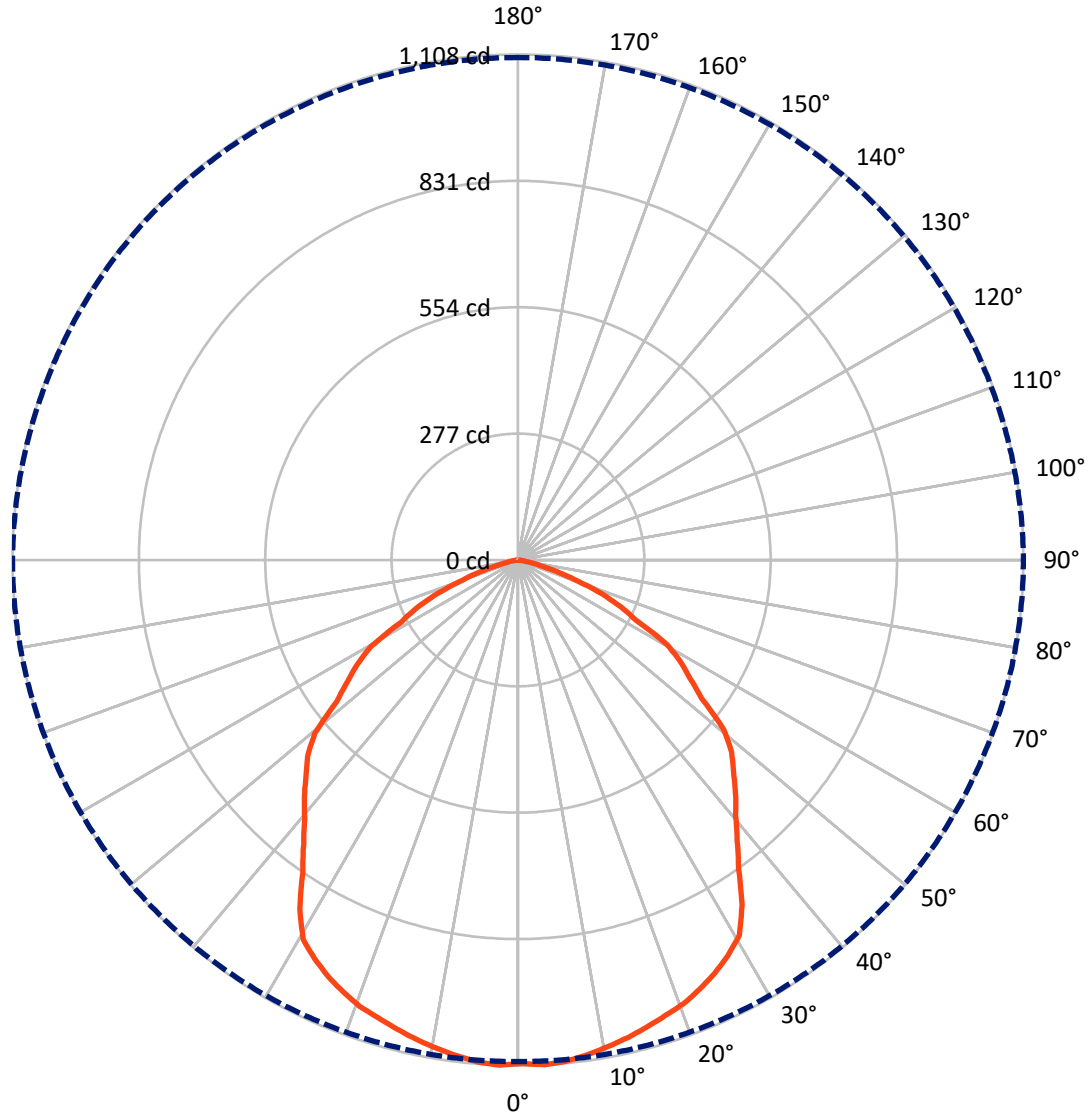
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 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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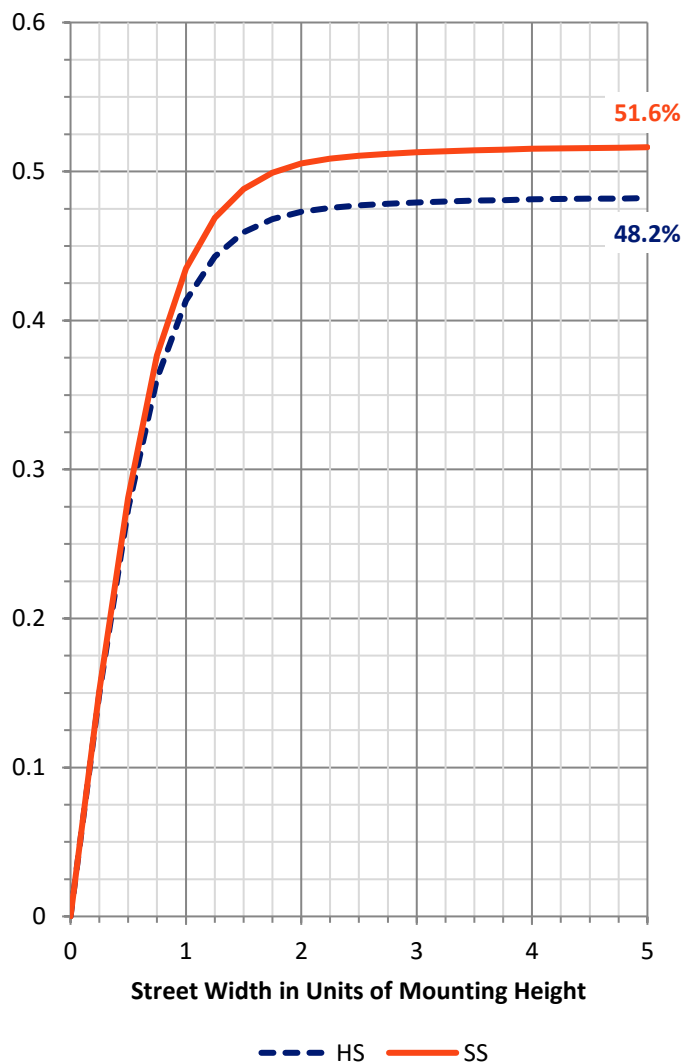
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.7	0.0	1252.7
	% Fixture	48.5	0.0	48.5
Street Side	Lumens	1331.6	0.0	1331.6
	% Fixture	51.5	0.0	51.5
Total	Lumens	2584.3	0.0	2584.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	4.1
10°-20°	301.7	11.7
20°-30°	465.7	18.0
30°-40°	552.5	21.4
40°-50°	517.6	20.0
50°-60°	387.1	15.0
60°-70°	195.0	7.5
70°-80°	54.6	2.1
80°-90°	5.3	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°	2584.3	100.0
0°-180°	2584.3	100.0

Coefficient of Utilization



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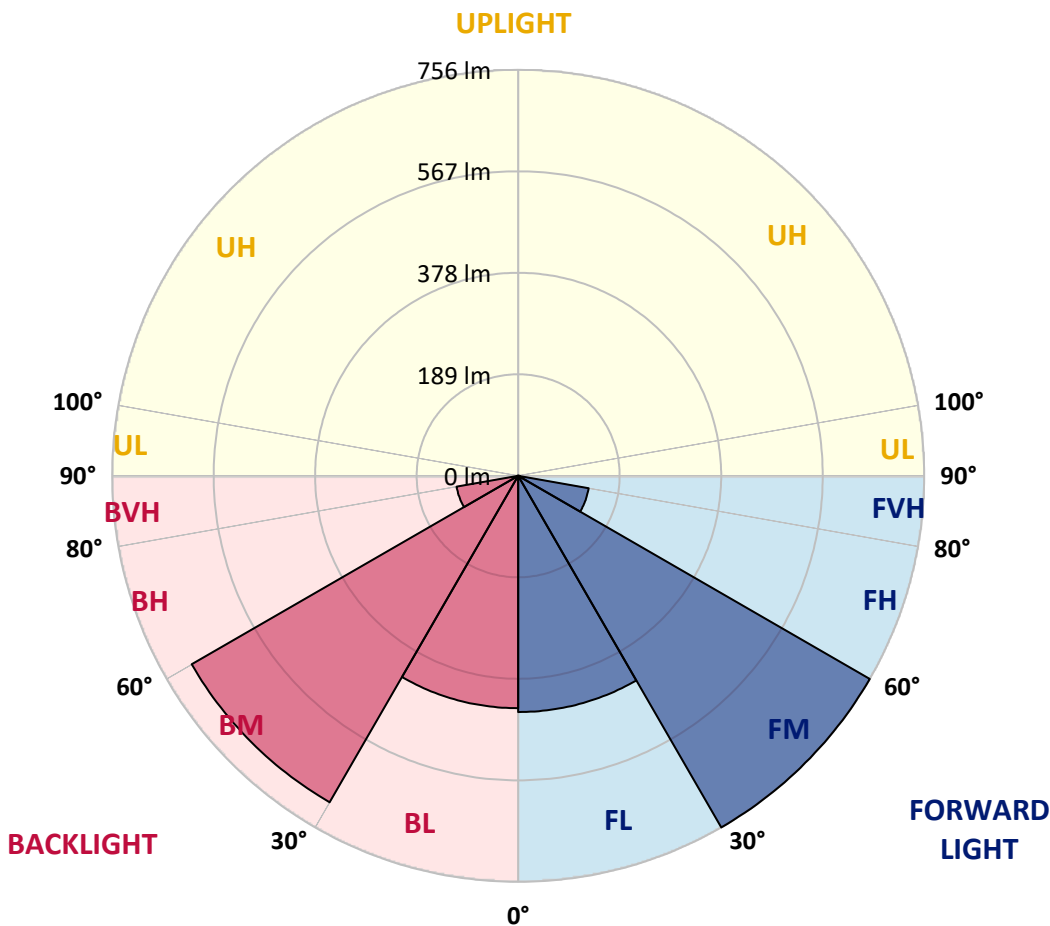
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.7	17.0			
FM (30°-60°)	755.6	29.2			
FH (60°-80°)	133.2	5.2			G0/660
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	432.5	16.7	B1/500		
BM (30°-60°)	701.6	27.1	B1/1000		
BH (60°-80°)	116.4	4.5	B1/500		G0/660
BVH (80°-90°)	2.3	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°	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8
2.5°	1099.7	1100.6	1101.5	1103.1	1105.0	1106.2	1106.9	1107.4	1107.8	1108.2	1106.6
5°	1097.1	1099.0	1100.8	1102.5	1104.0	1105.0	1105.5	1105.7	1105.0	1104.3	1104.7
7.5°	1095.0	1096.0	1097.0	1097.8	1098.4	1099.0	1099.7	1099.7	1097.5	1095.3	1095.2
10°	1092.0	1093.0	1094.0	1093.5	1092.5	1092.2	1092.7	1092.2	1088.5	1084.9	1085.8
12.5°	1086.6	1086.8	1087.0	1086.3	1085.3	1083.5	1080.9	1078.4	1076.3	1074.2	1074.5
15°	1078.5	1078.3	1078.1	1077.4	1076.7	1074.3	1070.4	1066.9	1064.3	1061.7	1062.1
17.5°	1069.0	1067.9	1066.9	1066.2	1065.7	1063.3	1059.0	1055.0	1052.3	1049.6	1049.7
20°	1059.0	1058.7	1058.5	1056.4	1053.8	1050.7	1047.0	1043.5	1040.9	1038.2	1038.3
22.5°	1046.6	1047.3	1047.9	1044.6	1039.9	1036.0	1033.0	1029.8	1025.7	1021.7	1021.4
25°	1031.9	1032.0	1032.1	1028.8	1024.4	1020.4	1016.7	1012.8	1008.1	1003.3	1003.0
27.5°	1017.2	1015.4	1013.6	1011.1	1008.3	1004.4	999.3	993.9	987.5	981.2	980.8
30°	996.1	994.8	993.5	991.7	989.7	985.6	979.4	972.7	964.2	955.8	955.9
32.5°	971.8	970.1	968.4	967.0	965.7	961.1	953.2	942.3	922.4	902.4	905.6
35°	932.7	936.2	939.6	939.5	938.1	930.8	917.6	899.4	866.2	833.0	833.8
37.5°	844.4	862.0	879.5	892.2	903.3	894.7	866.5	838.2	809.4	780.6	777.2
40°	783.4	789.8	796.2	823.1	856.8	854.0	814.8	779.8	757.3	734.9	735.5
42.5°	743.5	745.7	748.0	776.7	814.1	810.2	765.0	727.7	713.7	699.7	701.6
45°	650.7	673.4	696.1	722.2	749.4	747.9	717.7	691.5	677.0	662.5	666.8
47.5°	594.1	603.0	611.9	629.3	649.5	659.6	659.6	656.4	643.4	630.5	633.5
50°	544.3	552.2	560.0	569.6	579.7	593.1	610.0	618.5	602.0	585.6	591.8
52.5°	449.9	466.3	482.7	497.5	511.7	532.8	560.9	573.2	538.6	504.0	515.2
55°	404.0	408.4	412.7	421.4	431.6	455.3	492.5	513.5	485.8	458.2	461.5
57.5°	316.8	331.5	346.2	363.8	382.4	409.0	443.6	464.0	441.7	419.4	421.2
60°	256.5	269.9	283.3	297.7	312.4	341.7	385.5	413.5	394.0	374.5	374.0
62.5°	197.6	204.6	211.6	232.1	257.0	285.8	318.4	337.0	313.3	289.7	296.2
65°	136.1	141.6	147.1	167.2	192.2	218.5	246.2	264.9	256.4	248.0	241.4
67.5°	81.8	87.6	93.4	114.3	140.1	167.7	197.1	216.9	208.2	199.6	194.3
70°	72.4	71.1	69.7	78.7	91.0	111.6	140.5	159.6	149.7	139.8	132.6
72.5°	59.7	59.2	58.8	58.6	58.5	69.0	89.9	104.5	100.3	96.1	91.9
75°	45.2	45.2	45.1	44.1	42.8	48.5	61.0	68.6	61.5	54.3	54.1
77.5°	31.3	31.3	31.3	31.2	30.9	32.4	35.6	37.1	33.2	29.4	29.8
80°	18.8	18.8	18.9	19.0	19.1	18.8	18.1	17.2	15.6	14.0	13.9
82.5°	9.1	9.1	9.2	9.4	9.7	9.8	9.7	9.3	7.9	6.4	6.6
85°	3.1	3.1	3.0	3.1	3.3	3.5	3.7	3.7	3.1	2.5	2.6
87.5°	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.1	1.1	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°	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8
2.5°	1105.1	1104.7	1104.7	1104.0	1102.8	1101.9	1101.8	1101.7
5°	1105.0	1102.9	1100.0	1098.9	1099.5	1099.8	1099.1	1098.4
7.5°	1095.0	1094.8	1094.6	1094.4	1094.2	1094.1	1094.0	1093.9
10°	1086.7	1086.7	1086.4	1086.5	1087.0	1086.9	1085.4	1083.8
12.5°	1074.8	1075.7	1076.8	1076.5	1075.0	1073.8	1073.4	1073.0
15°	1062.6	1063.2	1063.9	1063.6	1062.3	1061.3	1061.0	1060.7
17.5°	1049.9	1049.1	1047.9	1047.2	1046.9	1046.9	1047.8	1048.7
20°	1038.4	1036.2	1033.3	1032.0	1032.3	1032.6	1032.5	1032.4
22.5°	1021.0	1019.4	1017.2	1016.2	1016.3	1016.1	1015.3	1014.5
25°	1002.7	1001.3	999.5	997.7	995.9	994.5	994.5	994.5
27.5°	980.5	979.3	977.8	976.4	975.3	974.1	972.9	971.7
30°	956.0	955.1	953.8	952.3	950.5	948.9	947.6	946.4
32.5°	908.9	915.8	923.8	926.2	922.9	919.9	918.3	916.7
35°	834.7	856.4	885.1	897.2	892.6	884.2	864.1	844.1
37.5°	773.9	803.1	843.1	852.3	830.6	809.1	788.4	767.8
40°	736.1	757.9	786.8	787.0	758.5	736.4	733.0	729.7
42.5°	703.5	710.4	719.0	717.2	705.2	692.7	678.6	664.6
45°	671.1	666.4	658.7	650.5	641.6	628.7	603.8	579.0
47.5°	636.5	616.9	589.8	571.2	561.0	552.0	546.3	540.6
50°	598.0	575.4	543.2	523.5	516.4	504.8	480.0	455.2
52.5°	526.4	512.3	489.8	467.3	444.6	424.7	413.4	402.1
55°	464.8	444.0	415.3	393.8	379.6	364.0	344.5	325.0
57.5°	422.9	399.4	367.5	338.7	313.0	291.9	284.7	277.5
60°	373.4	342.8	302.1	273.7	257.4	240.9	223.9	206.9
62.5°	302.7	280.7	249.1	220.5	194.8	173.4	164.7	156.1
65°	234.8	213.1	186.2	161.1	137.6	118.2	111.0	103.8
67.5°	189.0	166.8	138.9	115.1	95.2	80.5	81.5	82.5
70°	125.5	110.9	93.8	81.0	72.7	66.9	68.6	70.3
72.5°	87.7	74.8	59.0	51.5	52.3	53.2	54.1	55.0
75°	53.9	48.1	40.5	37.1	37.9	38.6	39.1	39.5
77.5°	30.2	28.6	26.3	25.2	25.1	25.1	25.2	25.3
80°	13.7	14.0	14.5	14.5	14.0	13.7	13.8	13.9
82.5°	6.8	6.9	6.9	6.6	6.2	5.8	5.8	5.7
85°	2.7	2.5	2.3	2.1	2.0	1.9	2.1	2.2
87.5°	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)