

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: McGRAW-EDISON

Report Number: P628926

Luminaire Tested: GWS-SA1A-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2346 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

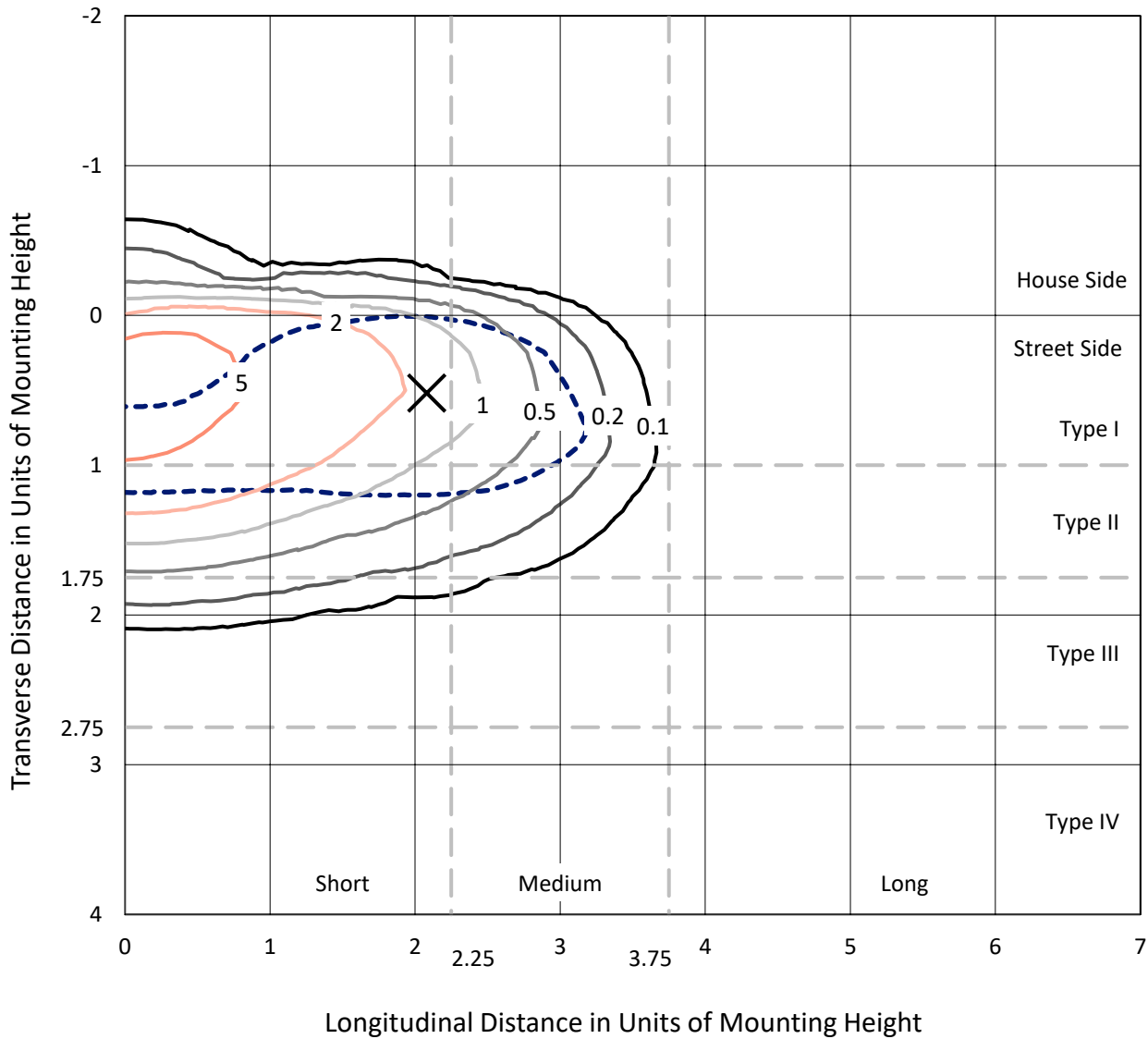
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

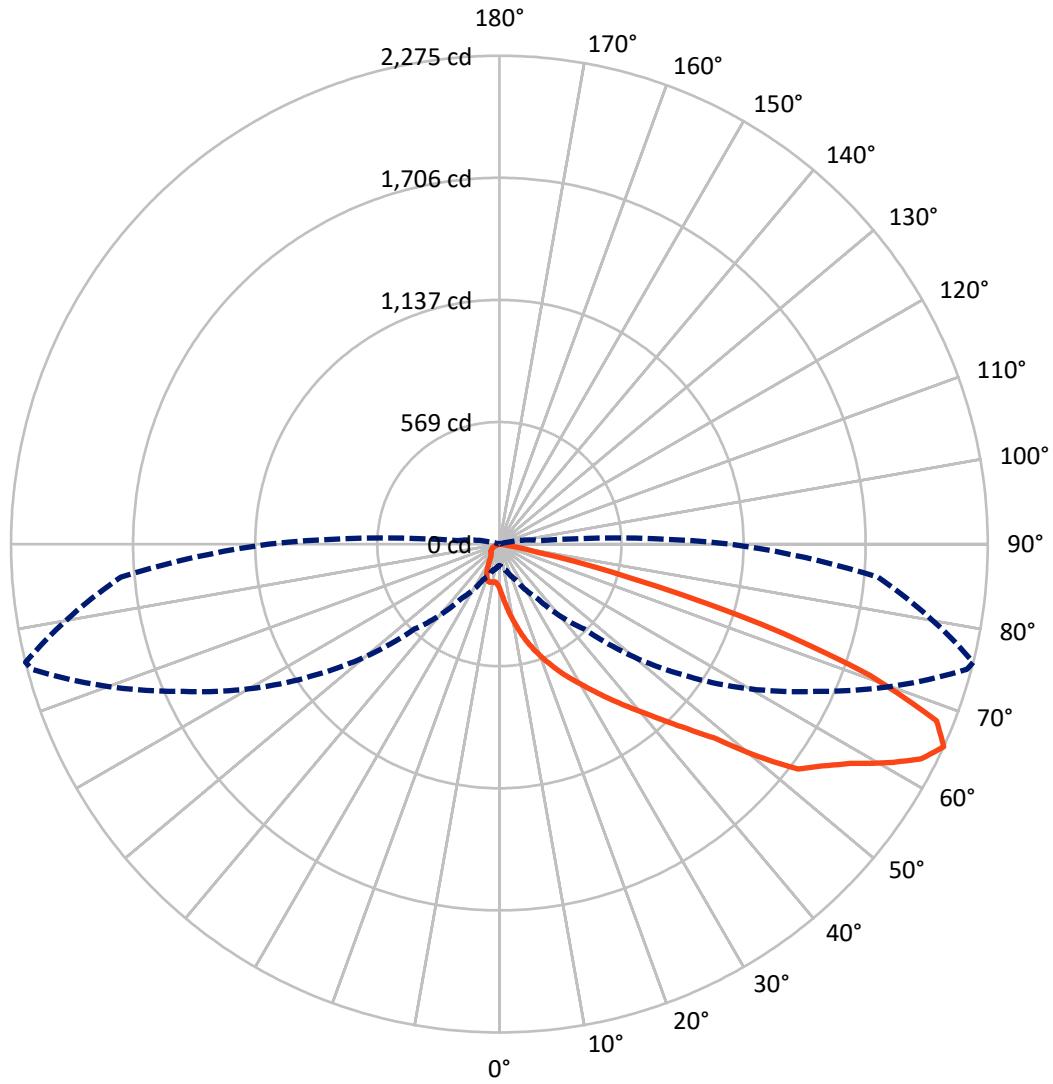
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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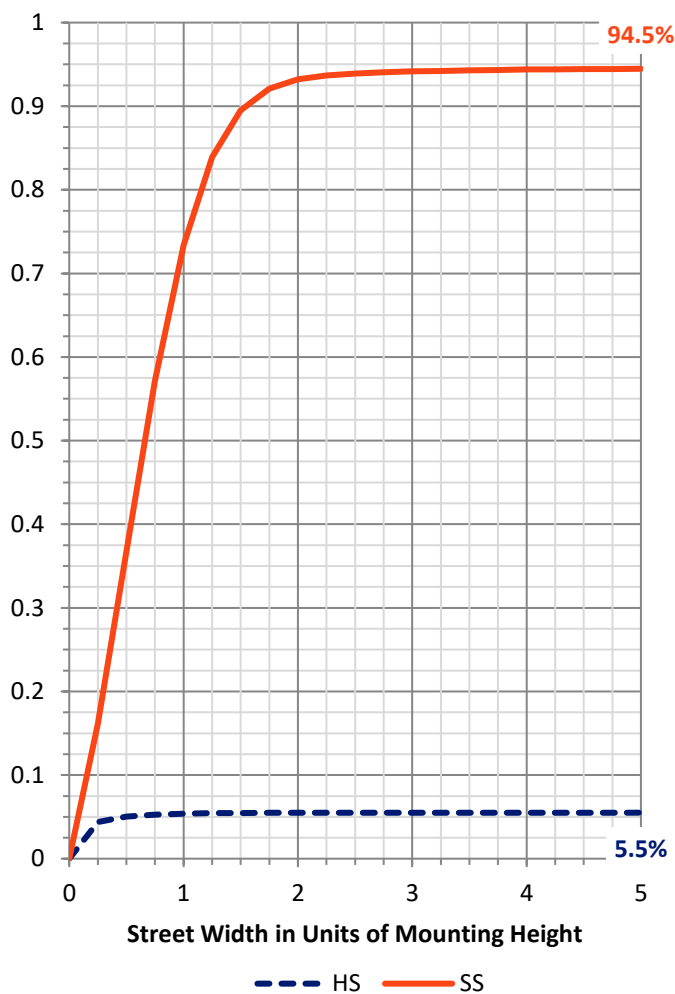
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	129.7	0.0	129.7
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2216.3	0.0	2216.3
	% Fixture	94.5	0.0	94.5
Total	Lumens	2346.0	0.0	2346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	1.1
10°-20°	95.9	4.1
20°-30°	195.6	8.3
30°-40°	347.9	14.8
40°-50°	514.3	21.9
50°-60°	588.8	25.1
60°-70°	449.2	19.1
70°-80°	125.8	5.4
80°-90°	3.2	0.1
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°	2346.0	100.0
0°-180°	2346.0	100.0

Coefficient of Utilization



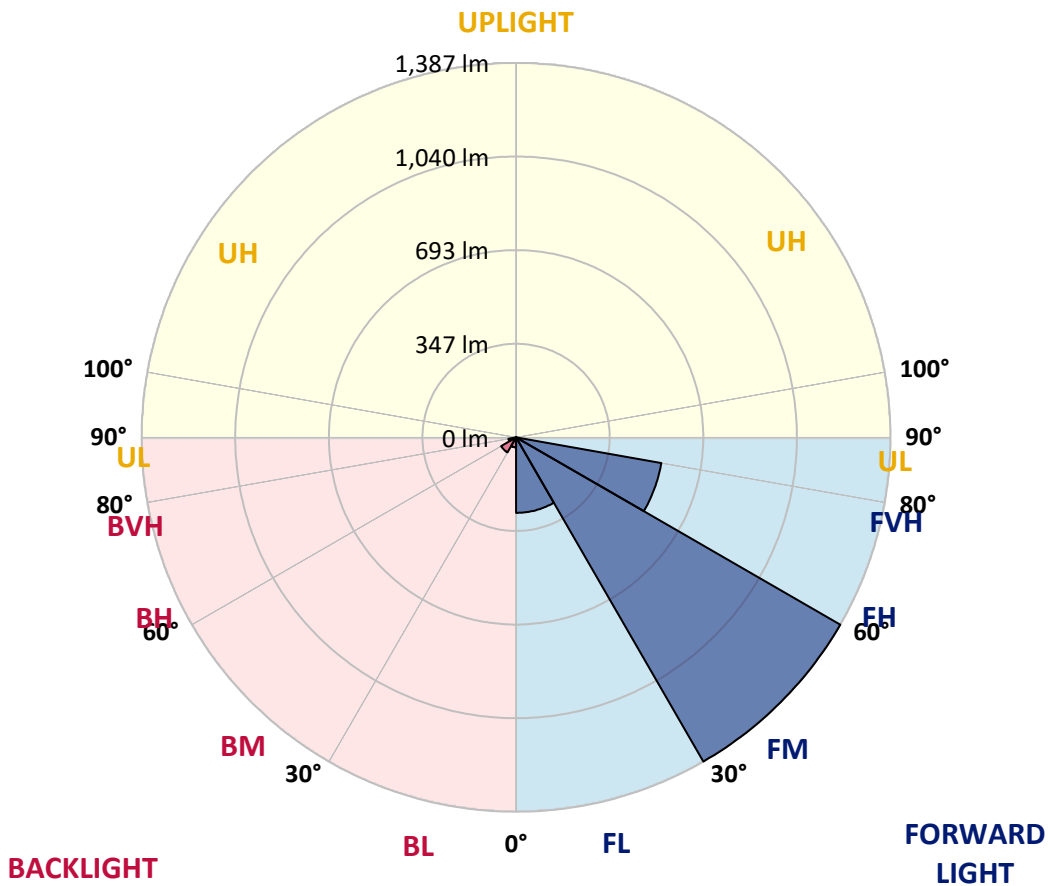
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.7	11.9			
FM (30°-60°)	1387.0	59.1			
FH (60°-80°)	546.6	23.3			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	37.0	1.6	B0/110		
BM (30°-60°)	64.0	2.7	B0/220		
BH (60°-80°)	28.5	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7
2.5°	320.1	324.9	321.2	314.9	302.8	291.1	276.1	255.5	239.0	236.9	221.5
5°	432.3	431.9	423.8	415.6	402.9	382.9	352.6	314.3	277.4	274.2	239.6
7.5°	499.0	499.7	495.1	488.8	476.3	455.7	424.2	377.9	323.9	317.6	264.4
10°	555.1	554.9	551.6	548.7	537.4	523.6	489.9	439.0	373.9	364.1	292.2
12.5°	597.3	598.7	600.4	603.3	598.5	585.0	553.1	497.6	424.6	413.7	323.9
15°	630.6	631.0	637.3	648.6	652.5	645.4	616.4	554.3	474.6	465.3	360.4
17.5°	640.6	641.5	652.1	672.8	693.6	697.6	675.7	611.4	523.9	513.8	395.8
20°	661.7	663.6	671.5	689.6	715.9	737.2	728.6	669.2	573.1	559.9	432.1
22.5°	728.0	729.1	726.3	728.6	742.2	766.8	772.0	725.1	623.5	609.6	471.3
25°	842.1	842.5	823.5	805.6	795.4	800.0	811.4	776.6	673.6	659.8	507.8
27.5°	960.5	962.0	939.3	908.8	872.3	851.5	848.1	823.7	724.1	708.8	543.9
30°	1072.1	1072.1	1048.1	1011.0	962.2	921.5	897.6	871.3	778.1	761.4	580.8
32.5°	1172.4	1171.6	1140.9	1100.7	1052.5	1007.9	957.4	920.9	838.1	819.6	623.3
35°	1255.2	1253.1	1218.3	1179.7	1128.2	1095.0	1038.7	974.3	903.2	884.6	667.1
37.5°	1317.8	1315.5	1283.6	1242.7	1194.9	1173.5	1126.3	1038.3	971.8	954.9	715.7
40°	1351.8	1347.2	1325.1	1294.6	1254.6	1235.8	1216.2	1117.8	1052.5	1031.4	773.1
42.5°	1361.8	1356.3	1341.8	1327.6	1303.4	1288.6	1309.6	1207.5	1141.1	1123.0	838.5
45°	1332.2	1329.0	1327.8	1338.0	1342.4	1346.5	1398.5	1306.7	1238.9	1225.2	920.9
47.5°	1260.8	1260.0	1271.1	1313.6	1359.9	1403.9	1495.0	1429.1	1365.7	1350.9	1036.0
50°	1129.0	1137.6	1168.5	1243.1	1335.7	1436.4	1585.3	1598.9	1570.9	1549.2	1186.2
52.5°	923.0	939.5	1008.7	1122.2	1255.2	1427.3	1627.0	1734.9	1763.4	1740.9	1293.8
55°	724.3	739.7	801.4	945.3	1122.8	1357.4	1628.9	1781.8	1844.1	1823.3	1366.6
57.5°	539.5	553.7	609.8	747.4	942.6	1220.0	1584.3	1807.8	1939.8	1926.5	1481.5
60°	352.6	366.6	417.3	537.6	731.1	1019.8	1474.4	1802.4	2070.2	2068.9	1622.7
62.5°	195.6	206.7	243.4	337.2	510.3	789.7	1301.7	1748.0	2196.4	2204.3	1739.0
65°	100.1	107.2	129.5	185.4	308.8	559.9	1074.6	1623.3	2254.7	2274.8	1769.7
67.5°	65.5	67.8	73.2	96.3	165.4	352.2	808.7	1423.3	2172.6	2195.9	1666.9
70°	53.2	55.1	58.2	64.2	85.3	187.1	531.2	1136.8	1815.3	1831.2	1327.4
72.5°	39.0	41.5	47.5	51.5	61.5	102.6	276.3	746.2	1246.7	1274.6	834.2
75°	28.8	30.2	35.2	40.7	50.3	64.9	105.7	392.3	643.8	627.5	350.3
77.5°	17.3	18.4	22.5	26.1	35.9	40.5	36.9	144.9	195.8	184.1	84.7
80°	8.6	9.6	14.8	19.6	22.9	16.3	15.4	40.5	43.6	43.6	21.3
82.5°	2.9	3.8	7.9	12.9	11.3	6.3	7.3	10.4	11.7	12.3	6.3
85°	0.0	0.0	1.9	3.8	1.7	0.8	1.9	2.3	2.9	3.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	0.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7
2.5°	213.1	203.3	188.5	175.2	165.0	155.4	148.1	142.2	141.2	137.8	138.3
5°	222.7	205.0	177.7	156.6	141.8	131.8	123.5	117.2	114.5	111.8	109.7
7.5°	237.5	211.9	173.5	147.9	130.5	115.1	102.2	91.8	86.8	83.6	81.5
10°	255.7	221.5	173.7	142.6	117.0	93.4	75.7	64.2	58.8	57.1	56.9
12.5°	277.4	233.6	175.4	134.1	97.4	69.4	56.1	50.9	49.2	47.8	47.8
15°	300.3	247.1	175.4	118.5	74.2	54.2	48.6	45.3	43.2	42.3	41.9
17.5°	324.5	259.8	171.2	97.0	56.9	47.8	43.2	40.0	38.4	37.1	36.7
20°	350.3	271.9	160.8	74.2	48.8	42.8	38.4	35.2	33.6	32.3	32.3
22.5°	376.6	283.2	143.9	57.1	43.2	38.0	33.8	30.9	29.2	27.9	27.9
25°	401.0	290.7	122.2	47.1	39.0	33.8	30.0	27.1	25.2	24.4	24.0
27.5°	423.8	295.5	98.2	41.5	35.0	30.2	26.3	23.6	22.1	21.5	21.1
30°	447.3	296.8	75.1	37.7	31.7	26.7	22.9	20.9	19.6	18.8	18.8
32.5°	470.3	295.3	57.3	34.6	28.8	23.6	20.4	18.6	17.5	16.9	16.7
35°	493.6	288.6	46.5	31.9	25.9	20.6	18.1	16.7	16.1	15.2	15.2
37.5°	519.1	279.7	40.5	29.2	22.9	18.6	16.3	15.2	14.4	13.8	13.6
40°	550.8	269.2	37.1	26.9	20.2	16.7	14.6	13.6	12.9	12.3	12.1
42.5°	588.3	259.0	35.5	24.4	18.1	14.8	13.1	11.9	11.3	10.4	10.2
45°	641.5	256.7	33.6	21.7	16.3	13.3	11.5	10.2	9.4	8.8	8.6
47.5°	727.0	263.2	30.4	18.8	14.4	11.7	9.8	8.8	7.7	7.1	6.7
50°	811.8	261.5	27.3	16.3	12.7	10.0	8.3	7.3	6.3	5.6	5.4
52.5°	858.1	253.6	24.4	14.4	11.1	8.6	7.1	5.8	5.2	4.6	4.4
55°	900.1	250.5	21.5	12.5	9.4	7.5	5.8	4.8	4.4	3.8	3.5
57.5°	982.2	257.8	19.0	10.8	8.1	6.5	5.0	4.0	3.5	2.9	2.7
60°	1068.1	258.6	16.3	9.4	7.1	5.4	4.0	3.1	2.7	2.1	1.9
62.5°	1113.0	237.5	13.3	7.9	5.8	4.6	3.3	2.5	2.1	1.3	1.3
65°	1075.4	192.1	11.3	6.5	4.6	3.5	2.5	1.9	1.3	0.6	0.2
67.5°	951.8	136.6	9.4	5.2	3.3	2.5	1.9	1.3	0.2	0.0	0.0
70°	696.9	78.0	7.3	3.8	2.5	1.7	1.3	0.6	0.0	0.0	0.0
72.5°	428.3	41.7	5.4	2.5	1.9	1.3	1.0	0.4	0.0	0.0	0.0
75°	162.5	20.0	3.3	1.7	1.5	1.0	0.6	0.2	0.0	0.0	0.0
77.5°	44.0	9.8	1.9	1.3	1.0	0.6	0.4	0.0	0.0	0.0	0.0
80°	11.5	4.6	1.3	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	4.0	2.1	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.8	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)