

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: P629643

Luminaire Tested: GWS-SA1C-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2186.3 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

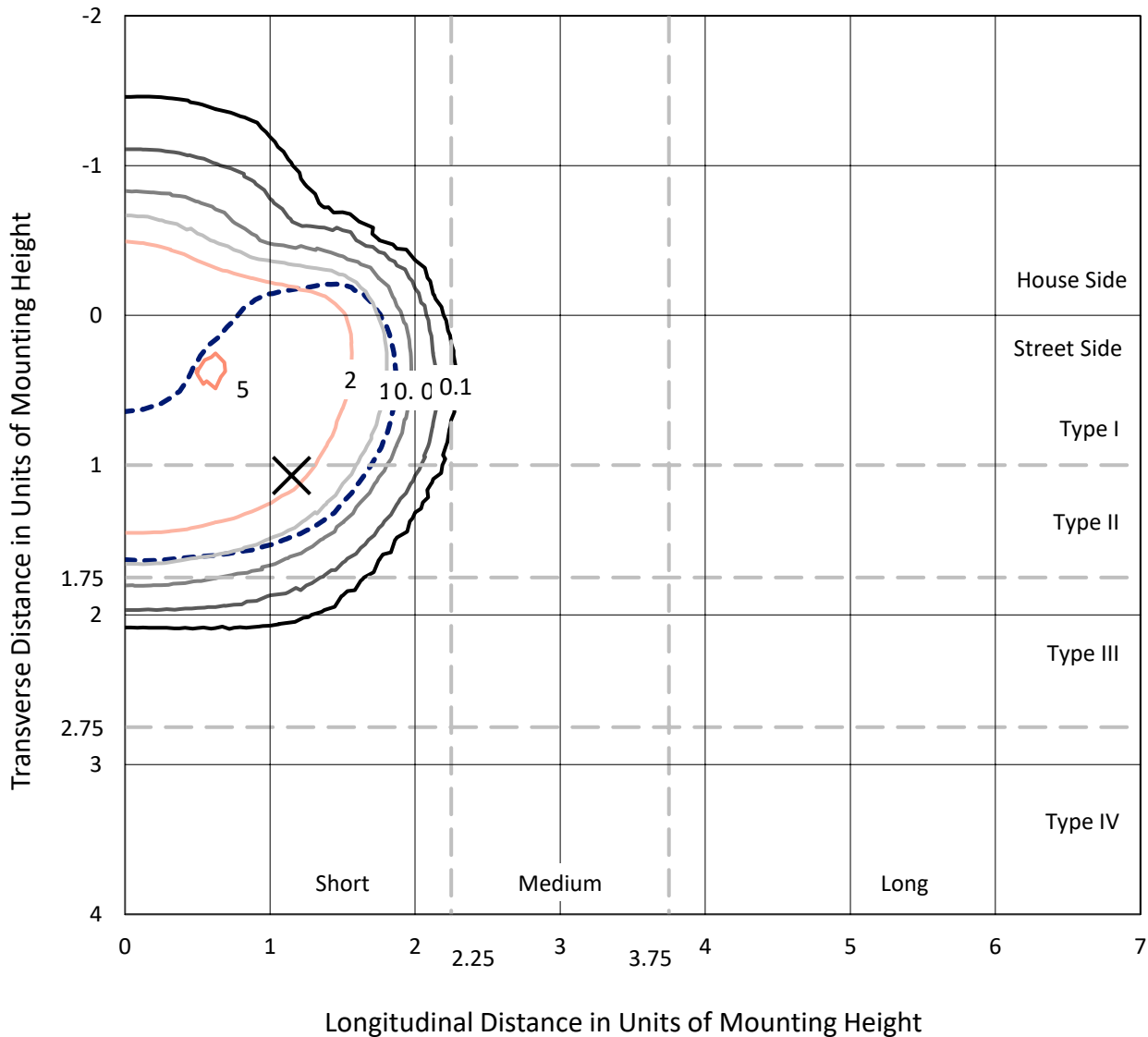
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

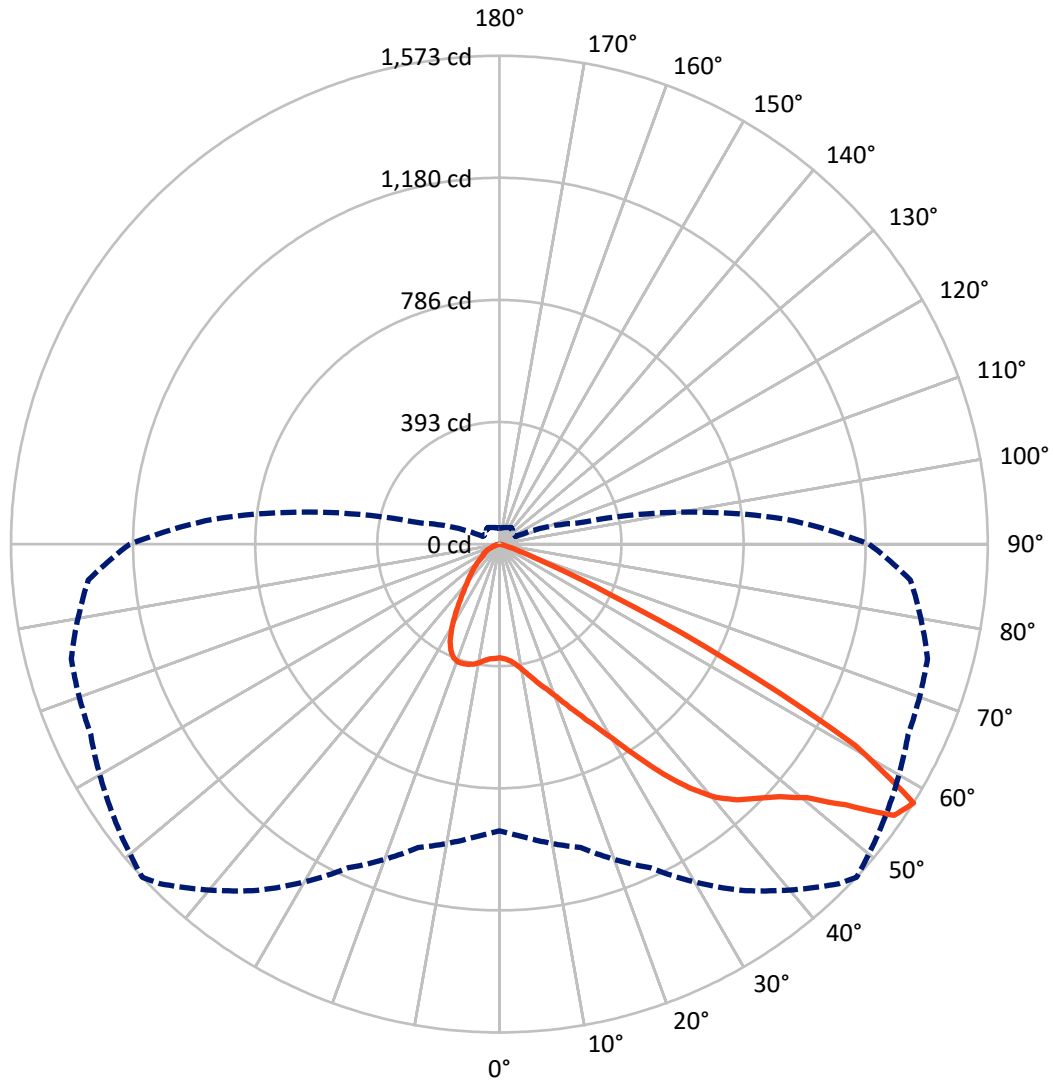
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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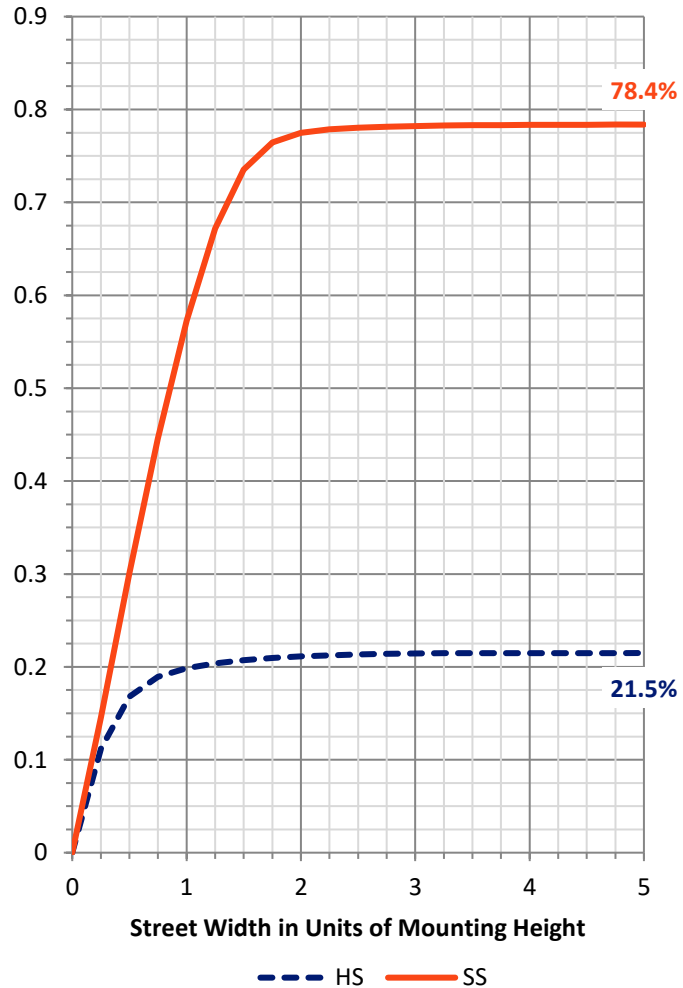
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	474.3	0.0	474.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1712.0	0.0	1712.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2186.3	0.0	2186.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.7
10°-20°	122.9	5.6
20°-30°	228.1	10.4
30°-40°	365.2	16.7
40°-50°	533.8	24.4
50°-60°	658.8	30.1
60°-70°	220.1	10.1
70°-80°	20.5	0.9
80°-90°	0.4	0.0
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°	2186.3	100.0
0°-180°	2186.3	100.0

Coefficient of Utilization



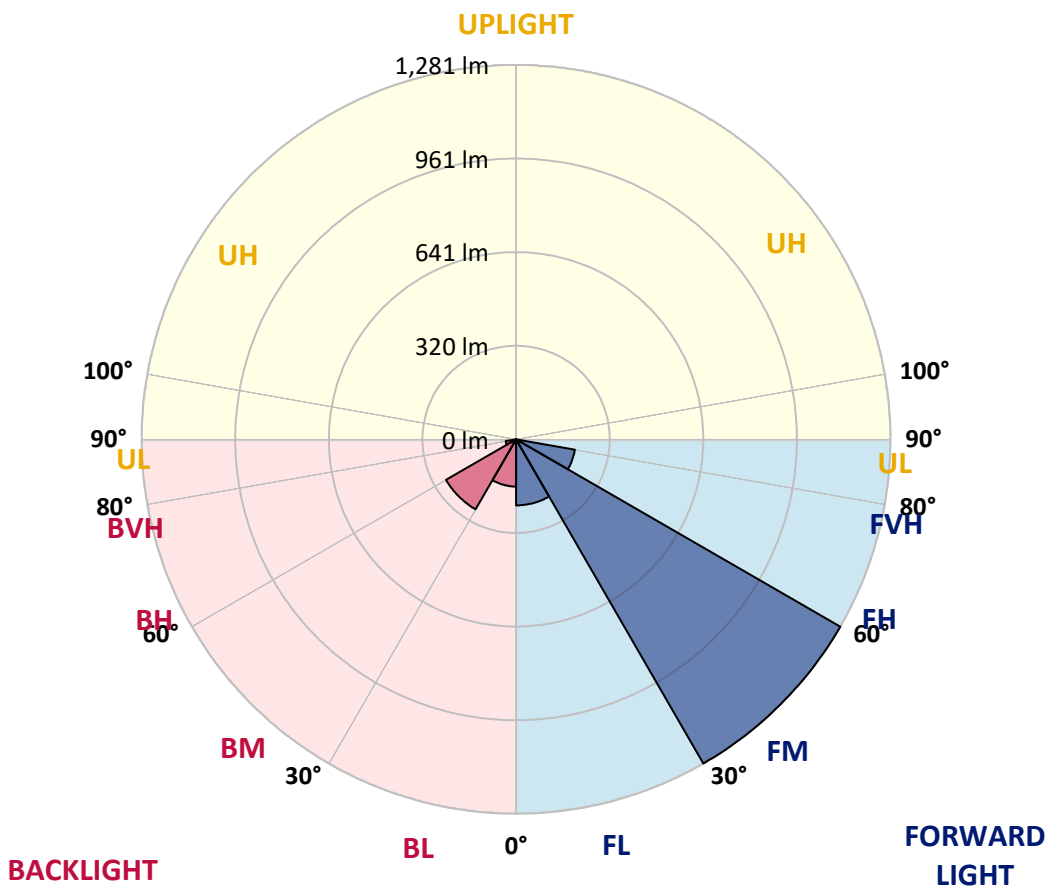
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.9	10.3			
FM (30°-60°)	1281.2	58.6			
FH (60°-80°)	204.6	9.4			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	161.5	7.4	B1/500		
BM (30°-60°)	276.7	12.7	B1/1000		
BH (60°-80°)	36.1	1.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0
2.5°	369.8	369.5	369.3	370.8	370.3	370.0	370.6	370.6	370.6	369.0	366.0
5°	378.7	378.7	378.4	379.9	378.7	377.9	378.2	378.2	377.2	374.4	370.6
7.5°	392.6	392.1	391.6	393.1	391.9	391.6	392.1	390.6	388.8	384.3	378.9
10°	412.7	412.7	411.9	413.5	412.4	411.9	411.9	410.9	407.6	400.5	392.6
12.5°	440.4	439.1	437.3	436.0	435.5	435.3	435.5	434.0	430.5	421.3	410.4
15°	470.6	469.5	466.8	464.7	461.9	461.4	462.9	461.7	458.1	445.7	430.2
17.5°	508.6	509.9	502.8	498.5	490.4	489.8	490.4	492.4	489.8	473.9	451.3
20°	541.1	542.1	536.8	533.8	526.4	523.1	524.1	527.4	524.6	505.8	474.4
22.5°	575.9	577.2	571.6	565.2	561.9	561.9	565.7	570.3	566.5	541.9	500.8
25°	617.5	618.5	614.0	605.6	599.7	607.1	612.7	624.9	618.5	585.0	532.0
27.5°	665.2	665.5	658.9	650.3	647.2	660.9	666.5	685.3	682.7	633.5	565.0
30°	716.2	716.5	715.0	709.1	706.3	724.4	732.0	759.1	757.4	693.7	609.9
32.5°	769.3	769.3	772.1	771.6	774.9	804.3	816.5	847.5	845.7	767.3	665.7
35°	822.6	822.8	827.7	839.8	853.6	892.6	908.6	946.2	942.1	855.3	737.1
37.5°	883.2	880.7	887.3	905.6	936.0	981.2	996.4	1032.2	1027.7	945.4	830.2
40°	956.3	951.8	951.8	973.1	1007.6	1059.6	1072.6	1090.4	1074.9	1018.3	921.6
42.5°	1037.1	1032.7	1027.2	1045.9	1074.9	1115.5	1126.1	1121.3	1108.6	1087.1	1025.6
45°	1118.8	1112.2	1116.0	1127.4	1144.2	1163.4	1167.5	1145.2	1139.3	1145.4	1111.7
47.5°	1181.0	1176.4	1185.8	1201.8	1215.5	1218.3	1215.5	1184.5	1184.0	1205.6	1171.3
50°	1201.8	1202.3	1228.2	1263.2	1285.3	1287.6	1283.8	1248.2	1243.4	1249.7	1203.6
52.5°	1203.8	1205.8	1243.7	1310.4	1370.6	1398.0	1394.9	1356.6	1309.4	1302.5	1252.3
55°	1154.8	1166.7	1219.5	1317.0	1444.9	1532.5	1542.6	1469.3	1399.2	1393.4	1357.1
57.5°	923.1	947.5	1011.2	1150.0	1361.9	1546.4	1572.8	1520.0	1452.3	1427.4	1328.9
60°	551.8	582.0	643.1	813.4	1036.5	1271.1	1316.5	1323.9	1292.6	1220.8	1019.5
62.5°	236.8	234.3	309.6	440.1	616.5	807.9	828.4	860.4	887.6	812.4	618.8
65°	81.2	88.3	122.8	198.5	308.6	375.1	393.4	422.1	460.7	380.2	226.6
67.5°	50.3	53.3	70.8	117.3	166.5	164.0	155.8	151.3	147.2	100.8	62.2
70°	36.5	39.1	49.7	80.7	111.9	78.7	68.3	55.3	61.4	56.6	44.2
72.5°	24.6	26.6	34.3	49.0	57.4	38.3	35.5	40.4	48.7	46.4	36.0
75°	14.7	16.0	19.5	23.9	23.4	19.8	20.1	28.4	37.3	34.8	25.6
77.5°	10.2	10.7	12.9	15.5	11.4	6.1	5.6	7.9	12.7	12.7	8.6
80°	2.5	3.3	3.3	2.0	1.8	1.5	1.5	2.3	3.6	2.5	1.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
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°	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0
2.5°	367.8	364.7	366.8	366.2	367.8	368.3	366.0	365.5	365.7	362.7	361.7
5°	371.3	367.8	368.8	367.8	369.5	371.1	370.3	371.3	372.6	370.3	369.3
7.5°	378.9	375.4	375.1	373.6	376.1	377.2	376.9	379.7	382.2	380.7	379.2
10°	392.1	387.3	386.8	385.5	386.3	387.1	384.3	384.8	387.1	385.3	384.5
12.5°	408.4	402.5	401.3	398.2	398.2	394.4	388.3	387.1	388.8	387.6	386.3
15°	425.9	418.0	416.0	410.7	405.6	398.5	392.1	390.6	391.9	390.4	389.3
17.5°	445.4	436.5	429.9	420.6	409.4	401.0	393.9	390.6	388.6	385.5	385.3
20°	464.7	453.0	441.9	426.9	412.2	399.5	387.8	379.2	371.8	367.3	365.5
22.5°	487.1	469.8	451.8	430.7	409.6	390.4	369.8	355.1	342.4	338.1	336.0
25°	510.9	488.6	461.7	434.3	401.0	370.0	342.1	320.3	303.6	298.0	295.7
27.5°	537.3	506.6	471.8	433.5	383.2	341.1	304.1	276.9	260.4	255.3	257.1
30°	570.8	529.9	484.5	425.6	356.6	300.5	257.1	234.3	221.8	217.0	217.3
32.5°	615.5	563.5	503.0	408.9	322.3	254.3	216.2	199.5	191.1	184.8	184.3
35°	679.4	614.5	520.3	382.0	280.7	213.2	185.5	172.3	160.7	153.3	154.6
37.5°	756.1	678.7	529.7	345.7	234.0	181.2	162.4	149.0	135.8	124.9	126.1
40°	847.0	762.7	528.9	298.0	191.4	159.4	143.1	127.4	110.9	101.0	102.0
42.5°	948.2	842.1	512.4	247.5	158.6	141.6	124.6	104.8	88.8	82.7	83.0
45°	1036.0	906.6	483.5	195.2	133.5	124.4	105.3	85.0	77.9	73.6	73.4
47.5°	1101.0	953.8	442.1	153.6	113.2	108.6	86.5	76.1	70.6	67.0	66.5
50°	1137.3	970.3	396.4	120.3	95.7	92.1	77.4	69.0	65.2	62.9	62.4
52.5°	1186.0	990.1	363.7	94.9	80.2	75.4	71.3	64.2	61.7	59.9	59.1
55°	1263.2	1028.4	335.3	75.4	66.8	65.7	67.3	61.4	59.9	57.1	56.1
57.5°	1190.6	923.9	260.4	58.4	56.3	60.2	65.0	58.6	54.8	52.3	51.3
60°	837.8	614.2	131.0	47.0	50.3	56.3	61.2	53.0	49.2	49.7	49.2
62.5°	461.9	307.4	58.9	39.3	43.7	49.7	52.3	45.9	43.4	47.7	48.5
65°	151.0	104.6	34.0	30.5	34.5	40.6	45.2	43.7	43.1	48.2	49.7
67.5°	46.4	34.5	23.1	21.8	23.9	29.9	38.1	47.2	50.8	52.3	53.0
70°	34.8	27.2	19.8	18.5	19.5	22.8	32.2	39.3	37.1	37.3	36.8
72.5°	27.9	21.6	17.0	16.2	16.2	15.7	17.0	21.3	24.1	25.4	25.4
75°	19.5	15.2	12.9	11.9	9.4	7.6	6.9	6.9	6.1	5.8	5.6
77.5°	6.6	5.6	5.1	4.1	2.8	2.3	2.0	1.8	1.3	0.8	0.5
80°	1.0	0.8	0.5	0.5	0.5	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	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)