

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: P629313

Luminaire Tested: GWS-SA1B-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629313
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-SA1B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2182.8 lumens
Efficiency: N/A
Efficacy: 87.3 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

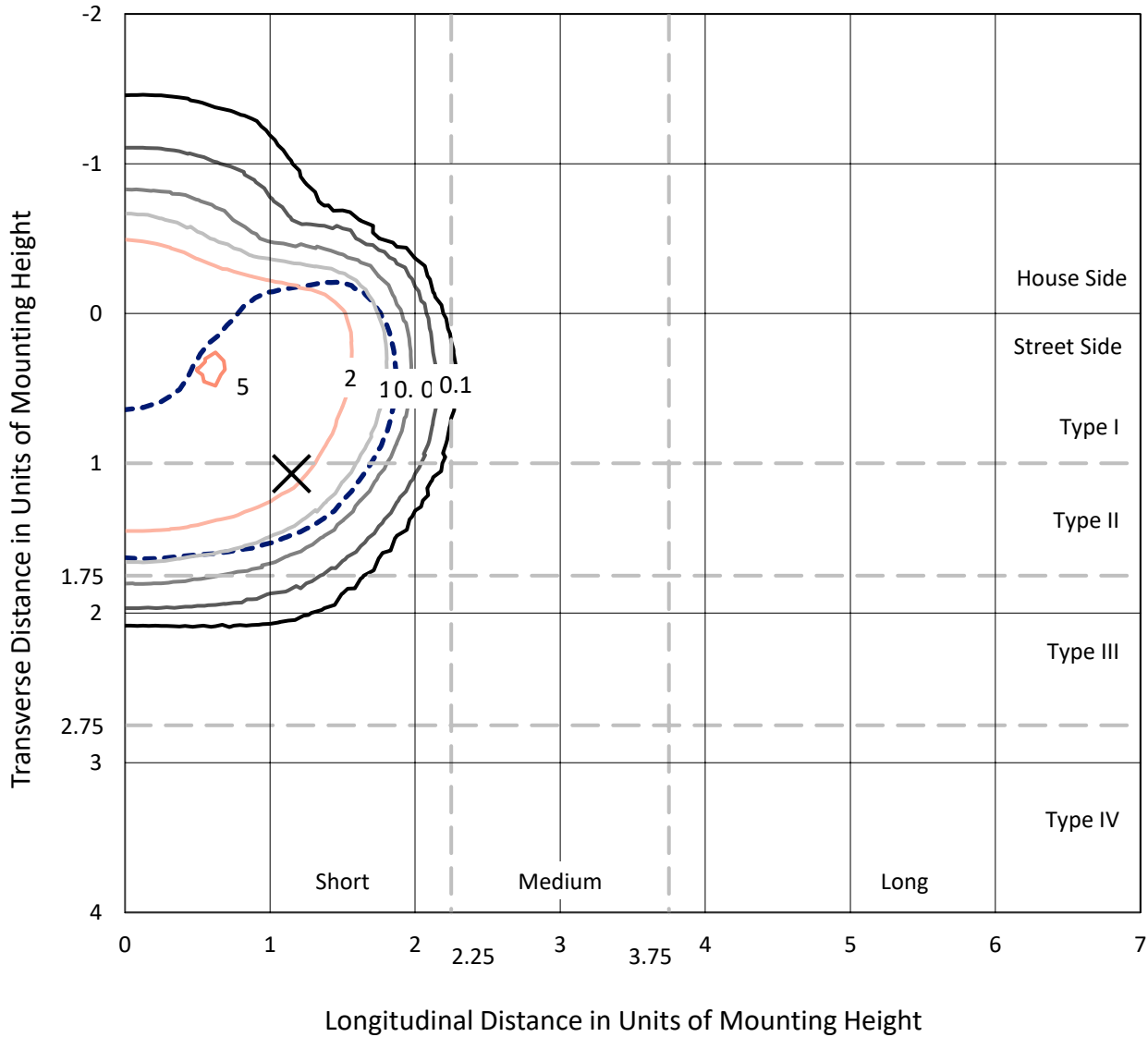
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

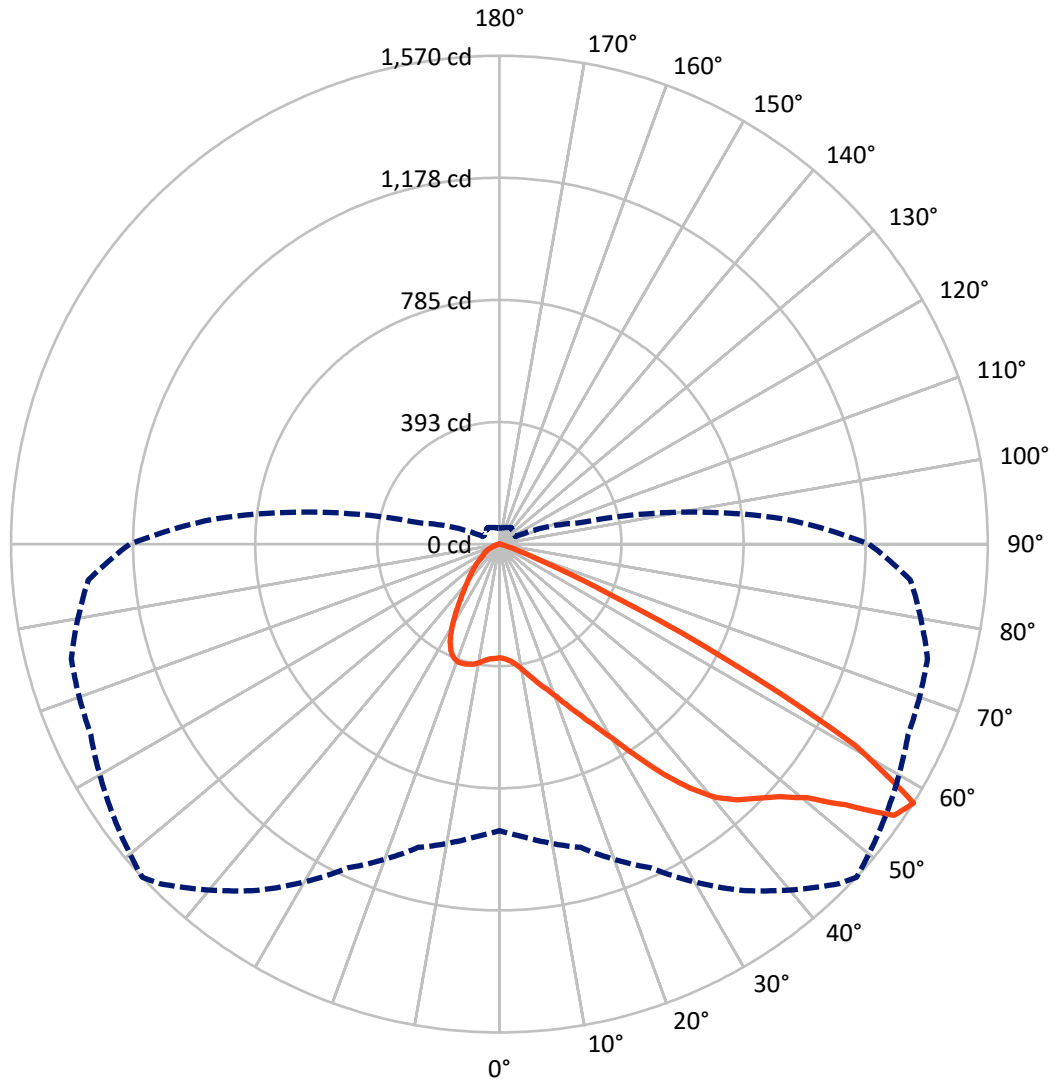
✕ Max cd
 - - - 1/2 Max cd



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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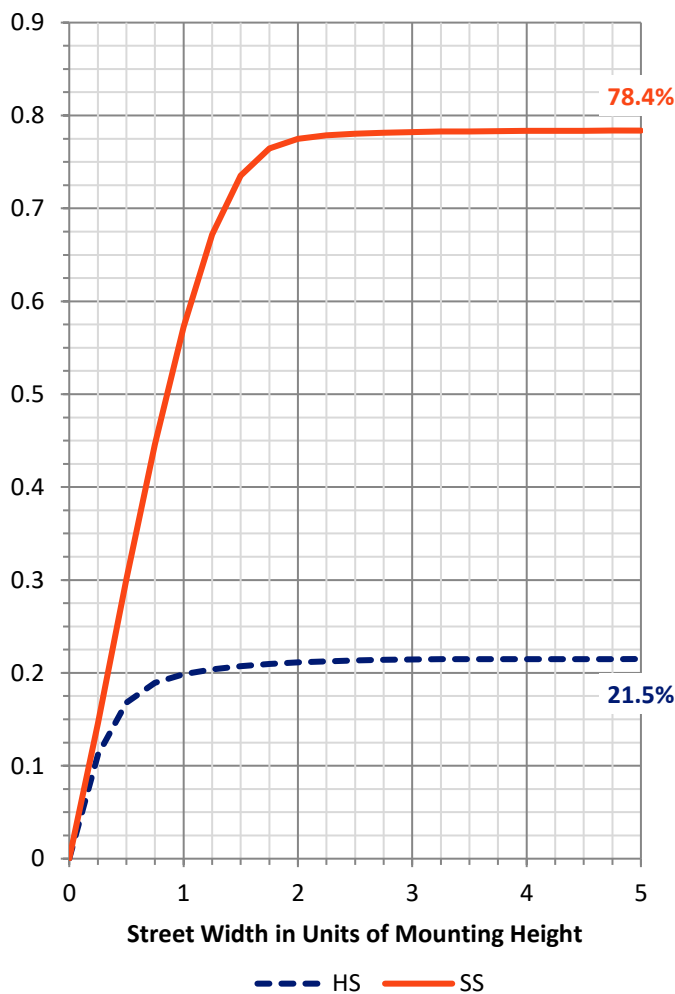
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.6	0.0	473.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1709.2	0.0	1709.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	2182.8	0.0	2182.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.7
10°-20°	122.7	5.6
20°-30°	227.8	10.4
30°-40°	364.6	16.7
40°-50°	533.0	24.4
50°-60°	657.8	30.1
60°-70°	219.8	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°	2182.8	100.0
0°-180°	2182.8	100.0

Coefficient of Utilization



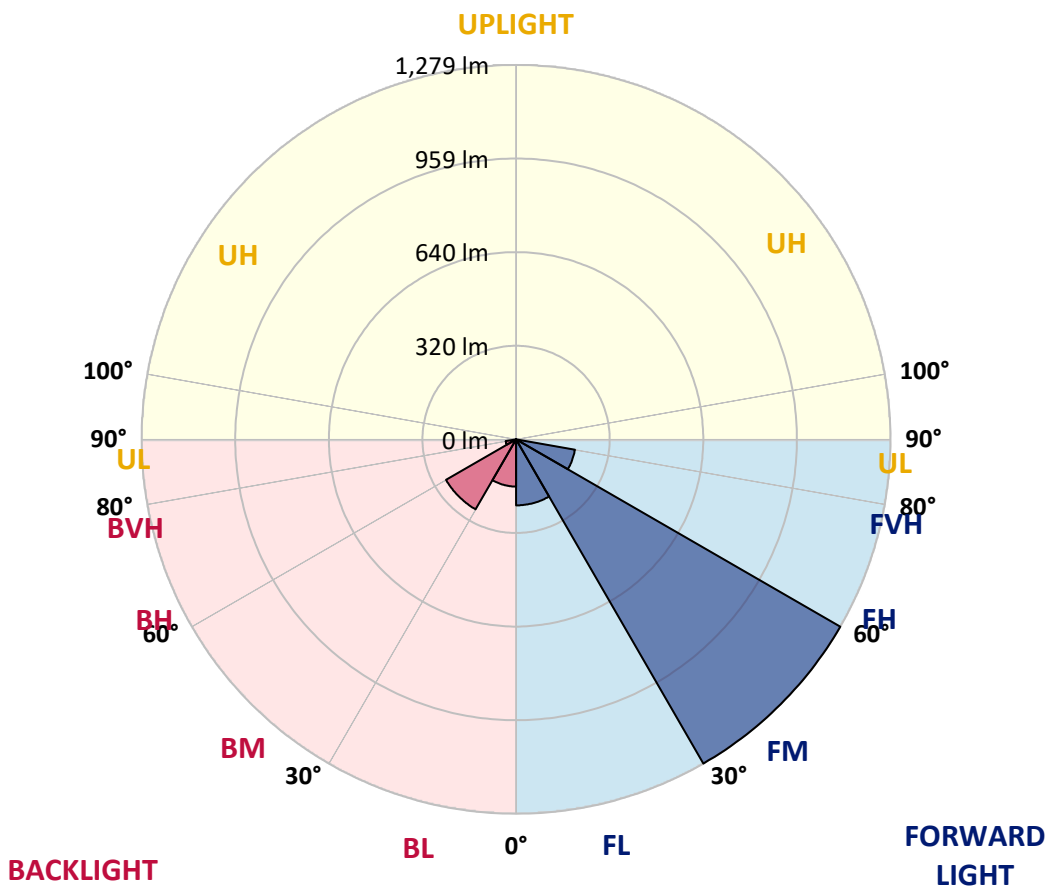
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.6	10.3			
FM (30°-60°)	1279.1	58.6			
FH (60°-80°)	204.3	9.4			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	161.2	7.4	B1/500		
BM (30°-60°)	276.2	12.7	B1/1000		
BH (60°-80°)	36.0	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°	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4
2.5°	369.2	369.0	368.7	370.2	369.7	369.5	370.0	370.0	370.0	368.4	365.4
5°	378.1	378.1	377.8	379.3	378.1	377.3	377.6	377.6	376.6	373.8	370.0
7.5°	392.0	391.5	391.0	392.5	391.2	391.0	391.5	390.0	388.2	383.6	378.3
10°	412.0	412.0	411.3	412.8	411.8	411.3	411.3	410.3	407.0	399.9	392.0
12.5°	439.6	438.4	436.6	435.3	434.8	434.6	434.8	433.3	429.8	420.6	409.7
15°	469.8	468.8	466.0	464.0	461.2	460.7	462.2	460.9	457.4	445.0	429.5
17.5°	507.8	509.1	502.0	497.7	489.6	489.1	489.6	491.6	489.1	473.1	450.5
20°	540.2	541.3	535.9	532.9	525.6	522.3	523.3	526.6	523.8	505.0	473.6
22.5°	575.0	576.2	570.7	564.3	561.0	561.0	564.8	569.4	565.6	541.0	500.0
25°	616.5	617.5	613.0	604.6	598.8	606.1	611.7	623.9	617.5	584.1	531.1
27.5°	664.2	664.4	657.8	649.2	646.2	659.9	665.4	684.2	681.6	632.5	564.1
30°	715.1	715.3	713.8	708.0	705.2	723.2	730.8	757.9	756.1	692.5	608.9
32.5°	768.1	768.1	770.8	770.3	773.6	803.0	815.2	846.1	844.3	766.0	664.7
35°	821.3	821.5	826.3	838.5	852.2	891.2	907.2	944.7	940.6	854.0	735.9
37.5°	881.8	879.3	885.9	904.1	934.5	979.6	994.8	1030.6	1026.0	943.9	828.9
40°	954.8	950.3	950.3	971.5	1006.0	1057.9	1070.9	1088.6	1073.1	1016.6	920.1
42.5°	1035.4	1031.1	1025.5	1044.3	1073.1	1113.7	1124.3	1119.5	1106.9	1085.3	1024.0
45°	1117.0	1110.4	1114.2	1125.6	1142.3	1161.6	1165.6	1143.3	1137.5	1143.6	1109.9
47.5°	1179.1	1174.5	1183.9	1199.8	1213.5	1216.3	1213.5	1182.6	1182.1	1203.7	1169.4
50°	1199.8	1200.4	1226.2	1261.2	1283.2	1285.5	1281.7	1246.2	1241.4	1247.7	1201.6
52.5°	1201.9	1203.9	1241.7	1308.3	1368.4	1395.7	1392.7	1354.4	1307.3	1300.4	1250.3
55°	1153.0	1164.9	1217.6	1314.9	1442.6	1530.0	1540.2	1466.9	1397.0	1391.2	1354.9
57.5°	921.6	945.9	1009.5	1148.2	1359.7	1544.0	1570.3	1517.6	1450.0	1425.1	1326.8
60°	550.9	581.0	642.1	812.1	1034.9	1269.0	1314.4	1321.7	1290.6	1218.9	1017.9
62.5°	236.4	233.9	309.1	439.4	615.5	806.6	827.1	859.0	886.1	811.1	617.8
65°	81.1	88.2	122.6	198.2	308.1	374.5	392.8	421.4	459.9	379.6	226.3
67.5°	50.2	53.2	70.7	117.1	166.2	163.7	155.6	151.0	147.0	100.6	62.1
70°	36.5	39.0	49.7	80.6	111.7	78.6	68.2	55.2	61.3	56.5	44.1
72.5°	24.6	26.6	34.2	48.9	57.3	38.3	35.5	40.3	48.7	46.4	36.0
75°	14.7	16.0	19.5	23.8	23.3	19.8	20.0	28.4	37.2	34.7	25.6
77.5°	10.1	10.6	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	3.5	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°	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4
2.5°	367.2	364.1	366.2	365.7	367.2	367.7	365.4	364.9	365.1	362.1	361.1
5°	370.7	367.2	368.2	367.2	369.0	370.5	369.7	370.7	372.0	369.7	368.7
7.5°	378.3	374.8	374.5	373.0	375.5	376.6	376.3	379.1	381.6	380.1	378.6
10°	391.5	386.7	386.2	384.9	385.7	386.4	383.6	384.2	386.4	384.7	383.9
12.5°	407.7	401.9	400.6	397.6	397.6	393.8	387.7	386.4	388.2	386.9	385.7
15°	425.2	417.4	415.3	410.0	404.9	397.8	391.5	390.0	391.2	389.7	388.7
17.5°	444.7	435.8	429.3	419.9	408.7	400.4	393.3	390.0	388.0	384.9	384.7
20°	464.0	452.3	441.2	426.2	411.5	398.9	387.2	378.6	371.2	366.7	364.9
22.5°	486.3	469.0	451.1	430.0	409.0	389.7	369.2	354.5	341.8	337.5	335.5
25°	510.1	487.8	460.9	433.6	400.4	369.5	341.6	319.8	303.1	297.5	295.2
27.5°	536.4	505.8	471.1	432.8	382.6	340.6	303.6	276.5	260.0	254.9	256.7
30°	569.9	529.1	483.7	425.0	356.0	300.0	256.7	233.9	221.5	216.7	216.9
32.5°	614.5	562.5	502.2	408.2	321.8	253.9	215.9	199.2	190.8	184.5	184.0
35°	678.4	613.5	519.5	381.4	280.3	212.9	185.2	172.1	160.4	153.1	154.3
37.5°	754.9	677.6	528.8	345.1	233.6	180.9	162.2	148.7	135.6	124.7	125.9
40°	845.6	761.5	528.1	297.5	191.1	159.1	142.9	127.2	110.7	100.9	101.9
42.5°	946.7	840.8	511.6	247.1	158.4	141.4	124.4	104.7	88.7	82.6	82.9
45°	1034.4	905.1	482.7	194.9	133.3	124.2	105.2	84.9	77.8	73.5	73.2
47.5°	1099.3	952.3	441.4	153.3	113.0	108.5	86.4	76.0	70.4	66.9	66.4
50°	1135.5	968.7	395.8	120.1	95.5	92.0	77.3	68.9	65.1	62.8	62.3
52.5°	1184.1	988.5	363.1	94.8	80.1	75.3	71.2	64.1	61.6	59.8	59.0
55°	1261.2	1026.8	334.7	75.3	66.6	65.6	67.2	61.3	59.8	57.0	56.0
57.5°	1188.7	922.4	260.0	58.3	56.3	60.1	64.9	58.5	54.7	52.2	51.2
60°	836.5	613.2	130.8	46.9	50.2	56.3	61.1	53.0	49.2	49.7	49.2
62.5°	461.2	306.9	58.8	39.3	43.6	49.7	52.2	45.9	43.3	47.6	48.4
65°	150.8	104.4	34.0	30.4	34.5	40.5	45.1	43.6	43.1	48.1	49.7
67.5°	46.4	34.5	23.1	21.8	23.8	29.9	38.0	47.1	50.7	52.2	53.0
70°	34.7	27.1	19.8	18.5	19.5	22.8	32.2	39.3	37.0	37.2	36.7
72.5°	27.9	21.5	17.0	16.2	16.2	15.7	17.0	21.3	24.1	25.3	25.3
75°	19.5	15.2	12.9	11.9	9.4	7.6	6.8	6.8	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)