

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: P629286

Luminaire Tested: GWS-SA1B-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 2075.7 lumens
Efficiency: N/A
Efficacy: 83.0 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

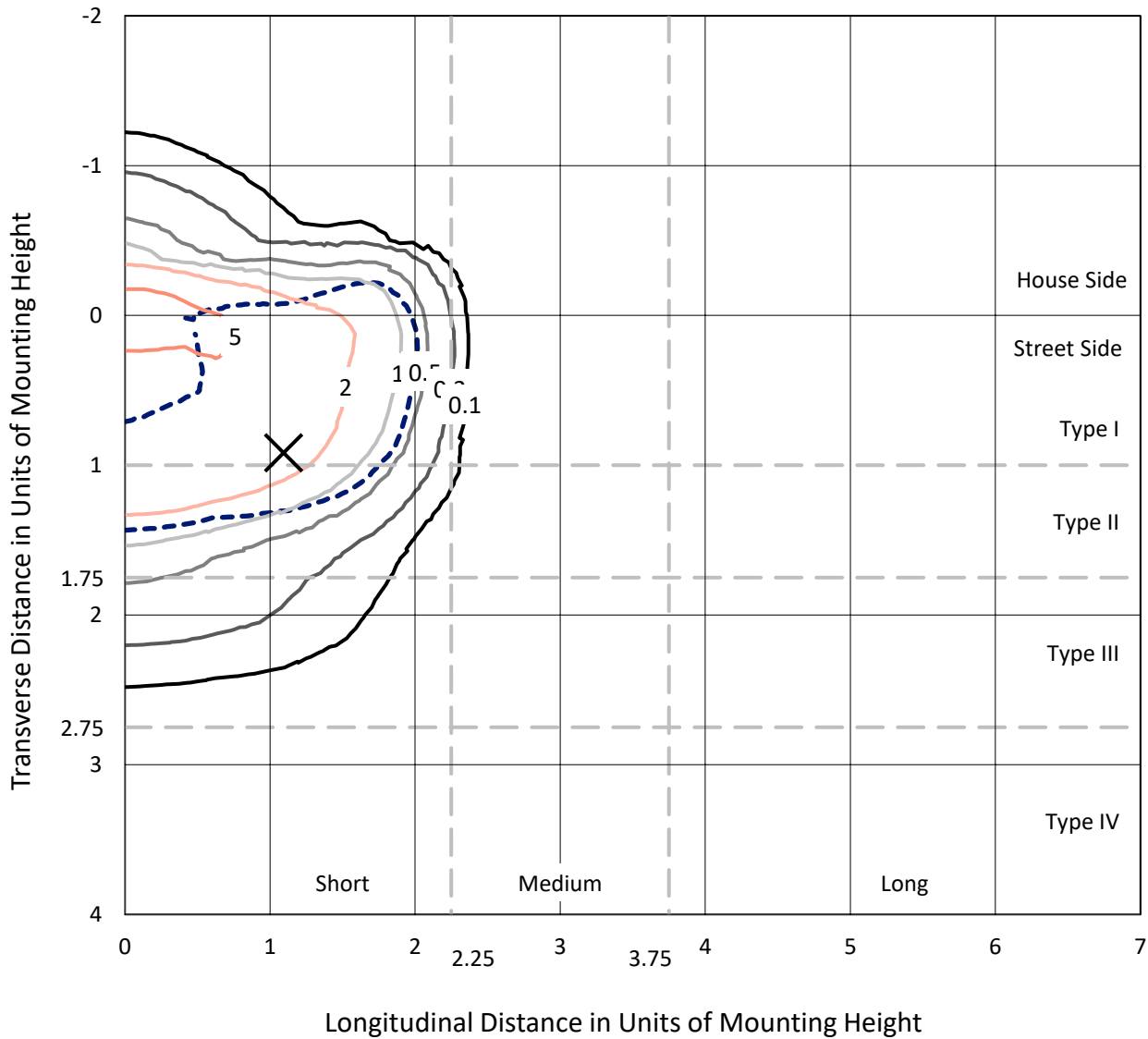
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

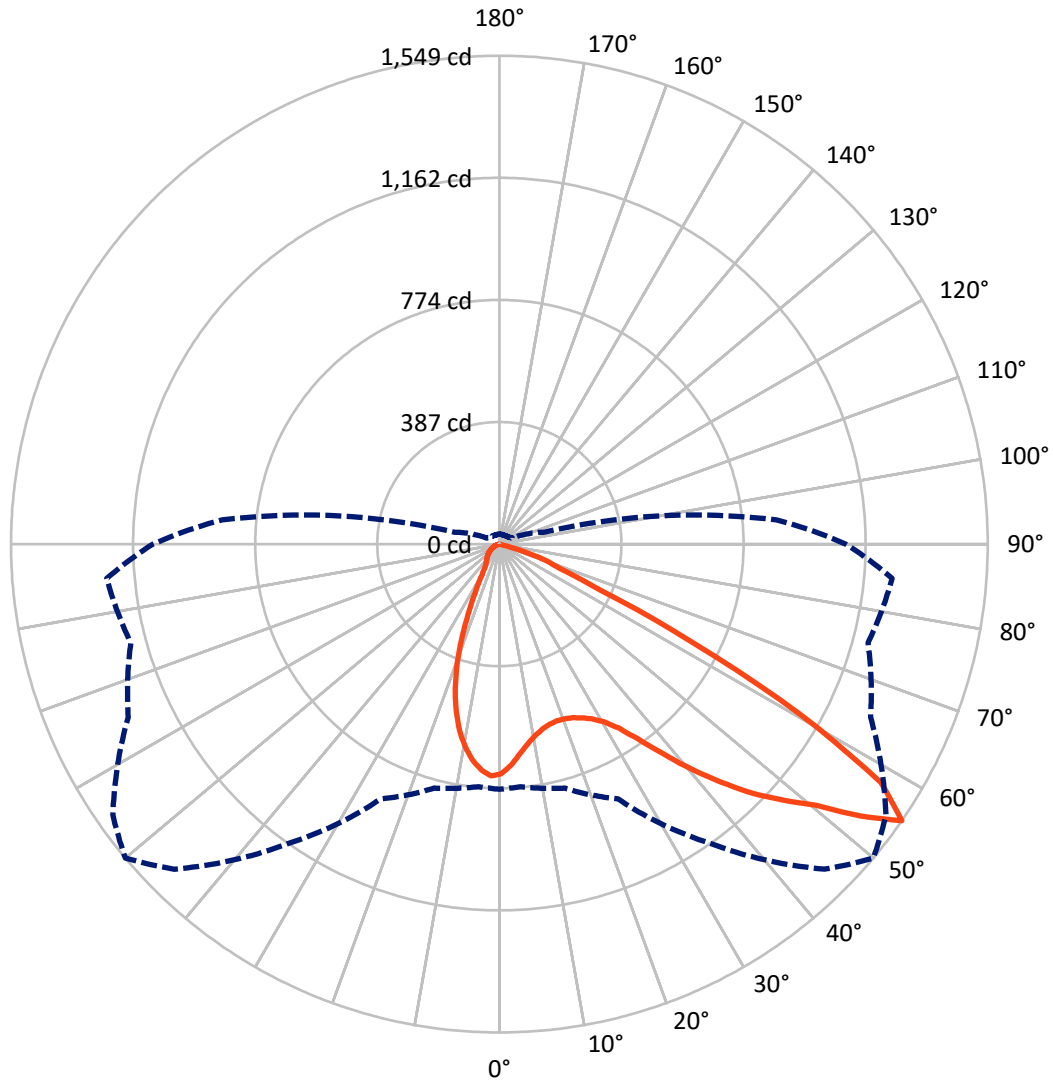
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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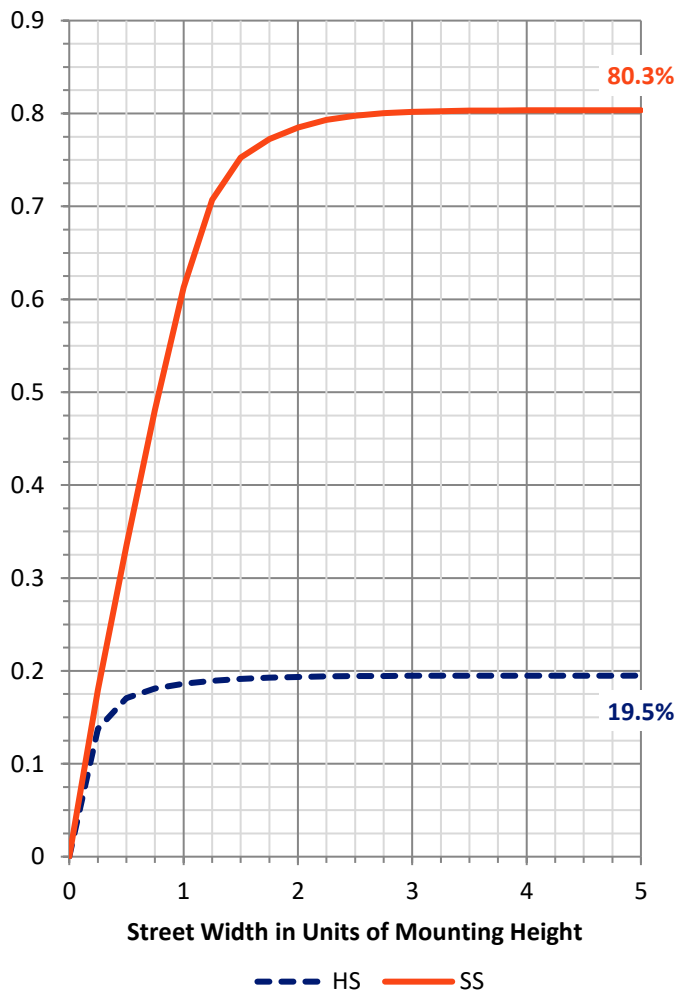
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	409.0	0.0	409.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	1666.7	0.0	1666.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	2075.7	0.0	2075.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	3.1
10°-20°	157.4	7.6
20°-30°	222.0	10.7
30°-40°	328.5	15.8
40°-50°	473.9	22.8
50°-60°	559.1	26.9
60°-70°	249.4	12.0
70°-80°	21.4	1.0
80°-90°	0.0	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°	2075.7	100.0
0°-180°	2075.7	100.0

Coefficient of Utilization



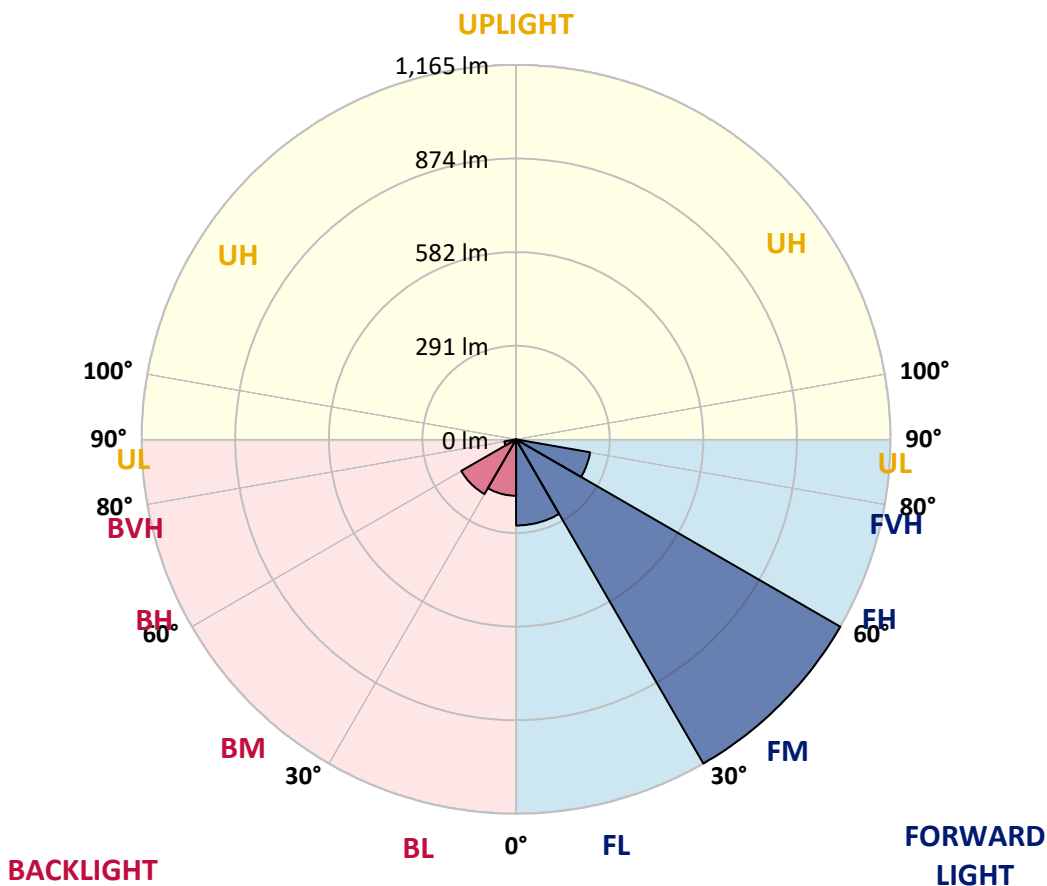
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.0	12.9			
FM (30°-60°)	1164.8	56.1			
FH (60°-80°)	233.9	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	175.4	8.4	B1/500		
BM (30°-60°)	196.7	9.5	B0/220		
BH (60°-80°)	36.9	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	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°	50°	55°	65°	75°	85°
0°	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3
2.5°	676.6	677.1	677.3	684.2	686.7	696.8	702.2	705.0	712.3	720.9	728.0
5°	631.2	630.5	631.7	640.3	645.9	660.9	669.0	674.6	690.8	711.0	728.0
7.5°	591.7	593.2	594.7	604.1	612.5	628.7	640.3	648.7	671.3	701.4	730.0
10°	563.8	563.8	566.1	576.7	586.6	606.6	618.3	628.9	655.8	692.8	732.3
12.5°	543.3	543.5	546.3	558.5	569.9	590.7	602.8	613.2	642.9	684.2	732.8
15°	533.7	532.9	535.2	548.1	560.8	580.3	593.0	603.1	633.8	679.4	735.4
17.5°	531.1	530.6	532.4	545.1	558.0	577.0	589.4	599.5	632.5	680.9	743.0
20°	538.5	537.5	536.7	547.6	559.8	578.5	591.4	602.8	638.6	689.2	754.6
22.5°	556.0	556.0	554.2	559.5	567.6	584.6	598.0	613.0	654.5	706.0	771.9
25°	588.1	585.6	582.3	584.6	583.6	594.2	610.2	631.0	684.7	733.6	792.9
27.5°	624.9	627.2	621.6	621.8	613.0	609.2	627.7	659.1	729.5	772.6	824.1
30°	674.8	673.0	673.3	672.5	652.0	634.0	654.0	695.8	786.0	832.2	864.6
32.5°	713.8	716.4	724.7	729.5	702.7	673.8	695.1	745.8	850.4	900.1	914.3
35°	755.1	759.7	776.7	792.4	769.8	736.6	759.4	811.9	911.0	967.2	971.3
37.5°	798.7	807.8	828.1	855.7	852.2	822.8	843.6	889.7	958.6	1007.8	1018.4
40°	848.6	857.5	890.7	930.5	938.8	932.3	939.1	966.0	990.0	1009.5	1038.7
42.5°	903.4	915.5	957.6	1010.8	1042.2	1048.1	1032.1	1029.3	1003.7	989.3	1034.4
45°	968.0	982.2	1029.8	1098.7	1148.7	1156.5	1128.9	1093.2	1012.3	974.3	1021.5
47.5°	1040.5	1053.9	1101.3	1184.1	1258.4	1261.4	1213.3	1155.8	1037.9	991.6	1031.3
50°	1064.8	1073.1	1114.2	1211.5	1348.3	1371.7	1302.0	1226.2	1089.4	1042.2	1079.5
52.5°	981.2	984.5	1020.2	1118.5	1330.1	1479.9	1431.5	1331.4	1180.8	1119.5	1153.7
55°	777.4	772.1	801.0	891.2	1156.0	1457.8	1548.8	1496.6	1298.7	1210.2	1250.3
57.5°	543.8	537.5	530.9	591.9	862.6	1235.8	1427.1	1519.6	1410.9	1300.2	1354.4
60°	447.0	440.9	409.0	380.9	521.5	887.4	1096.2	1270.3	1401.8	1295.6	1351.1
62.5°	386.2	382.6	369.7	331.4	306.9	506.5	686.5	853.2	1075.7	1017.4	1020.4
65°	303.3	302.3	311.2	315.2	271.4	280.3	350.2	443.4	581.6	548.4	520.0
67.5°	207.3	205.0	221.7	272.7	261.0	221.2	205.0	206.8	251.6	153.8	122.1
70°	131.8	126.4	126.7	169.0	212.3	174.6	158.1	139.1	125.2	22.8	25.8
72.5°	84.4	81.1	69.7	76.3	98.3	85.1	85.9	74.0	49.4	12.2	14.2
75°	35.5	32.7	25.1	20.0	19.8	12.4	10.9	10.1	6.8	6.8	7.3
77.5°	0.3	0.0	0.0	0.3	0.5	0.3	0.3	0.5	1.0	1.5	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3
2.5°	732.3	726.2	733.1	735.6	735.4	735.6	728.3	723.2	722.9	716.6	713.6
5°	735.1	730.3	735.4	732.1	724.2	714.3	701.2	689.8	684.7	677.3	673.8
7.5°	740.4	735.4	734.6	721.4	701.9	681.1	657.8	637.0	625.9	612.5	613.2
10°	744.2	738.4	728.5	701.7	669.2	636.0	601.3	570.4	550.9	532.9	529.9
12.5°	745.8	737.1	714.1	673.5	627.9	584.6	533.7	489.6	459.2	435.6	432.3
15°	748.5	734.6	695.6	639.6	577.0	515.7	450.8	390.5	350.2	323.1	325.4
17.5°	752.9	731.8	674.8	601.6	522.3	435.6	347.9	278.7	241.7	226.0	226.3
20°	758.9	728.5	652.0	559.8	456.6	345.1	243.3	191.1	180.7	180.2	179.4
22.5°	767.0	725.2	627.7	513.9	378.8	241.7	161.9	145.7	150.0	158.4	159.9
25°	776.7	721.2	600.6	462.2	293.9	158.6	121.4	118.8	129.2	140.4	142.9
27.5°	791.6	719.1	569.6	403.4	206.3	113.8	99.3	100.9	110.2	119.6	121.9
30°	817.0	722.9	535.9	337.5	132.5	90.7	86.2	88.4	93.5	98.3	100.3
32.5°	851.4	734.1	503.3	265.6	94.5	78.8	77.8	79.1	81.1	83.9	84.6
35°	891.7	753.4	469.5	190.0	78.0	72.0	71.0	71.0	72.0	72.5	72.7
37.5°	924.9	773.6	437.9	126.4	69.9	66.6	65.1	64.4	64.1	64.6	64.9
40°	939.4	782.0	403.4	92.0	64.1	61.8	59.5	57.3	57.3	59.0	59.3
42.5°	929.2	772.6	363.6	76.0	60.1	56.8	53.2	51.2	52.2	54.0	54.5
45°	907.7	749.6	319.8	67.2	56.0	51.7	47.6	46.4	47.4	49.7	50.2
47.5°	904.1	734.4	267.3	61.3	51.7	47.4	43.1	41.8	43.1	44.9	45.4
50°	939.4	747.5	209.1	56.3	47.6	42.8	39.3	38.0	38.8	39.8	40.3
52.5°	1003.7	796.4	168.8	51.4	42.8	38.3	36.0	34.5	34.5	35.5	35.7
55°	1098.7	881.8	145.7	45.9	37.2	34.7	32.7	31.2	31.2	31.7	31.9
57.5°	1208.2	985.2	151.0	38.5	32.7	31.4	29.6	28.4	28.9	28.9	28.9
60°	1193.0	977.6	161.7	32.4	28.9	28.4	26.9	26.4	27.6	26.6	26.1
62.5°	878.8	675.3	84.6	26.6	24.8	24.3	23.3	24.3	26.1	23.3	22.3
65°	426.7	326.9	34.0	21.8	21.0	20.5	20.0	21.5	22.6	18.2	17.2
67.5°	100.3	81.6	22.0	18.5	17.5	16.5	17.0	17.2	16.5	12.4	11.9
70°	26.1	25.6	17.2	15.5	13.9	12.9	12.9	12.7	10.9	7.9	7.3
72.5°	14.2	13.9	12.4	11.7	9.6	8.6	8.9	7.9	6.1	4.6	4.3
75°	7.1	7.6	7.1	6.6	5.3	4.8	4.8	4.3	3.0	1.8	1.8
77.5°	1.5	1.8	1.8	1.5	1.3	1.0	1.0	1.3	0.5	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)