

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: P628905

Luminaire Tested: GWS-SA1A-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1701.4 lumens
Efficiency: N/A
Efficacy: 86.4 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

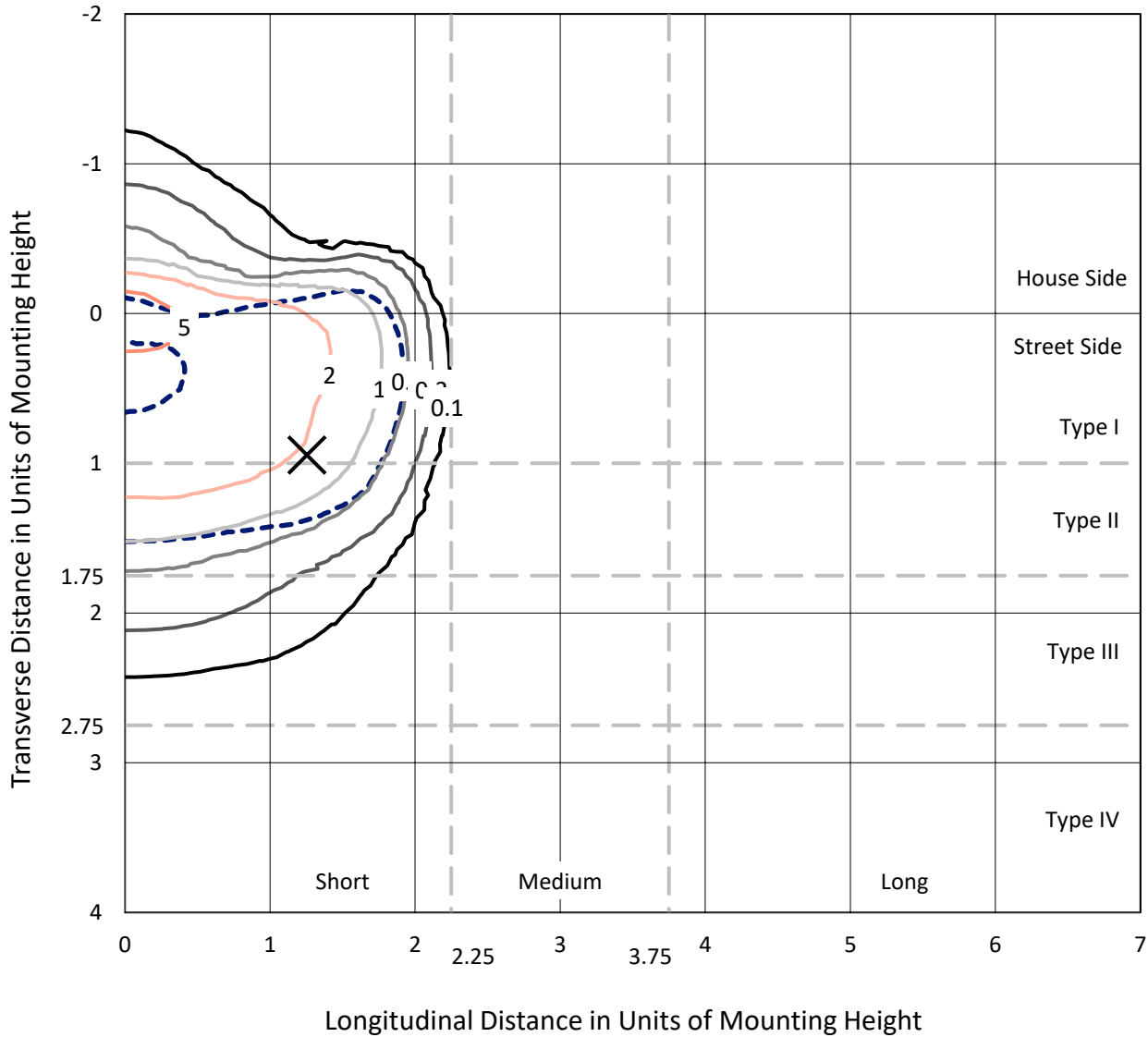
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

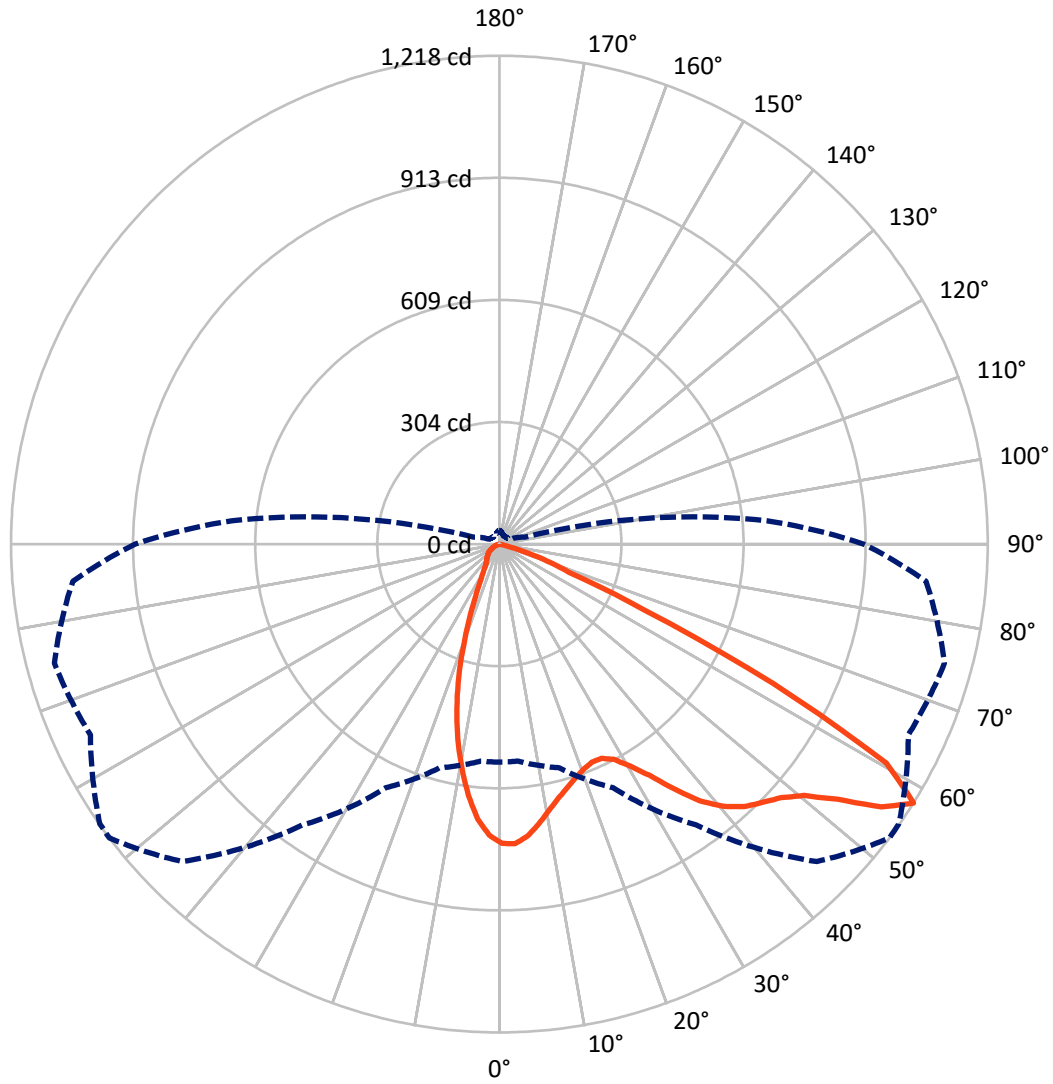
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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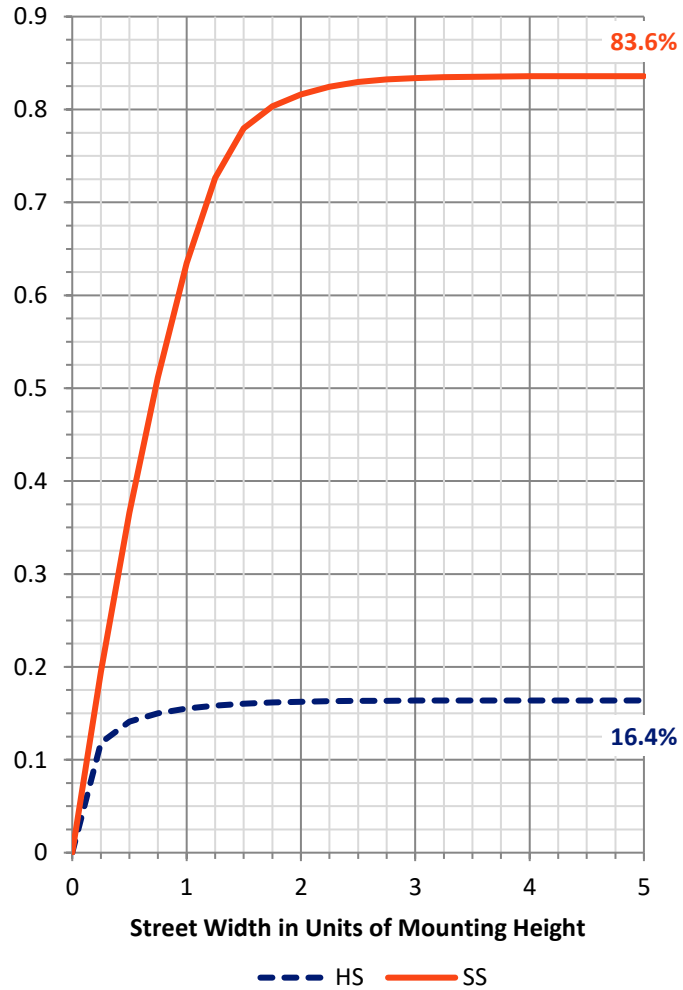
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	281.1	0.0	281.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1420.3	0.0	1420.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	1701.4	0.0	1701.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	3.8
10°-20°	140.2	8.2
20°-30°	182.6	10.7
30°-40°	264.9	15.6
40°-50°	382.2	22.5
50°-60°	462.3	27.2
60°-70°	188.4	11.1
70°-80°	16.9	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°	1701.4	100.0
0°-180°	1701.4	100.0

Coefficient of Utilization



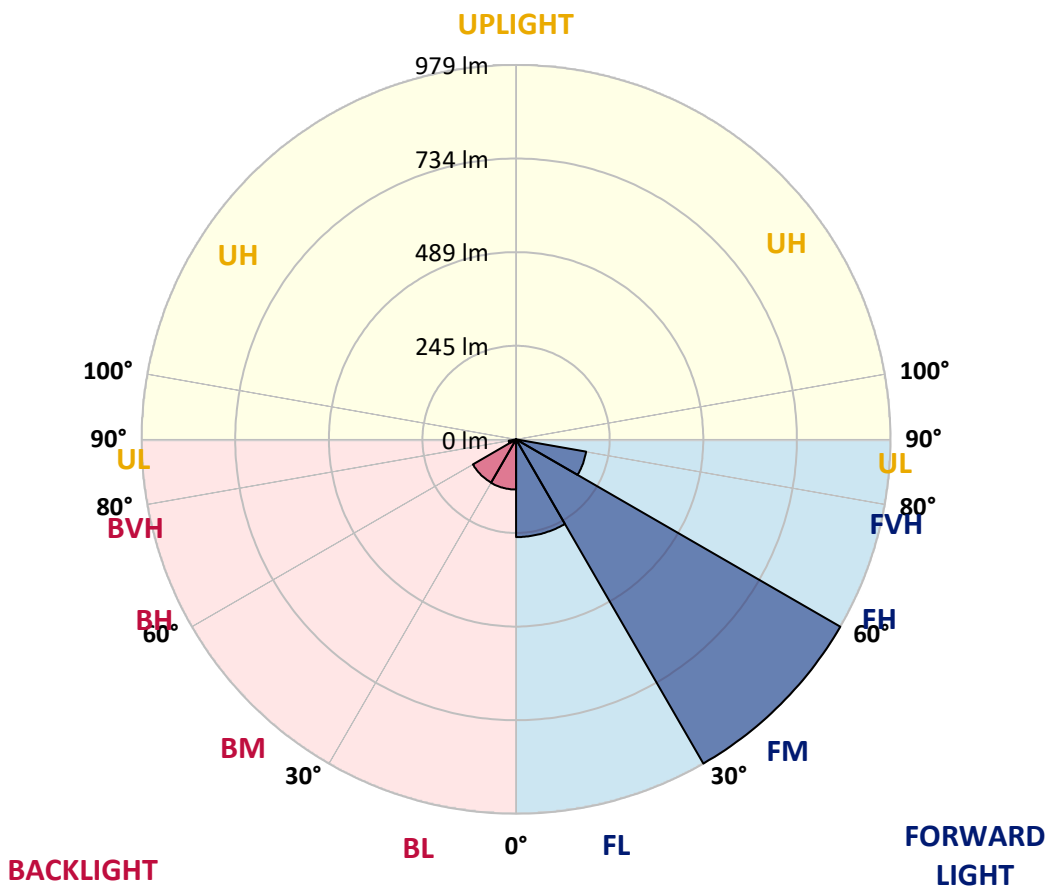
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.5	15.0			
FM (30°-60°)	978.9	57.5			
FH (60°-80°)	185.9	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	131.2	7.7	B1/500		
BM (30°-60°)	130.5	7.7	B0/220		
BH (60°-80°)	19.4	1.1	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°	53°	55°	65°	75°	85°
0°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3
2.5°	735.9	737.6	740.5	744.2	746.7	748.0	748.0	751.5	749.3	747.4	745.3
5°	704.4	706.1	710.0	716.1	722.1	726.5	731.5	735.3	736.7	736.7	733.2
7.5°	660.0	662.3	664.8	673.1	686.3	696.1	704.6	710.0	718.0	720.5	715.5
10°	612.2	614.5	620.2	631.6	646.7	661.3	675.8	682.7	696.3	703.4	697.7
12.5°	571.8	572.8	580.3	594.1	613.3	633.3	651.0	658.1	677.3	687.9	681.3
15°	538.4	539.1	546.6	561.8	583.9	608.5	630.8	638.1	661.7	677.7	667.7
17.5°	513.2	513.4	519.9	536.3	559.5	586.8	613.3	622.3	652.7	672.1	657.1
20°	500.5	499.8	504.4	518.8	540.7	568.0	599.3	610.4	647.7	671.3	648.9
22.5°	500.7	499.2	501.1	511.3	529.9	555.5	590.6	603.1	648.1	674.8	642.1
25°	512.6	510.5	510.9	516.3	529.5	552.8	591.8	605.2	656.5	686.7	639.6
27.5°	532.6	530.3	530.3	533.0	540.1	561.4	607.4	622.7	678.8	709.8	644.8
30°	558.4	556.2	555.3	558.0	563.9	583.5	642.3	658.1	716.9	747.8	661.5
32.5°	588.1	585.3	586.8	590.6	596.2	623.3	687.1	708.2	764.7	798.9	691.5
35°	619.3	617.0	623.7	631.8	640.6	678.6	749.0	767.4	823.3	862.5	737.4
37.5°	649.2	648.1	662.1	679.2	697.3	744.9	812.0	826.2	873.5	931.7	793.5
40°	679.0	678.8	702.7	732.8	761.8	811.0	859.8	871.4	904.2	985.5	847.3
42.5°	712.3	712.3	745.5	785.5	824.1	866.9	894.8	900.0	918.0	1016.6	887.7
45°	744.2	746.1	784.5	831.0	876.7	910.4	919.0	919.4	923.6	1034.9	921.3
47.5°	769.5	771.1	817.0	870.6	919.8	943.6	944.9	943.0	938.4	1052.5	947.1
50°	789.9	792.4	840.4	897.1	949.4	975.5	985.1	983.2	971.5	1071.2	965.3
52.5°	799.9	803.5	848.5	910.2	982.4	1030.1	1056.8	1061.2	1021.2	1081.6	982.6
55°	719.8	725.1	766.6	851.0	1000.7	1114.6	1156.5	1155.7	1075.0	1112.7	1024.7
57.5°	543.6	543.2	577.6	670.0	854.8	1119.4	1217.8	1216.2	1125.2	1148.8	1067.9
60°	370.1	367.6	376.8	421.4	597.6	911.9	1108.3	1130.9	1089.6	1061.2	906.7
62.5°	304.7	302.4	299.4	287.1	343.2	568.0	765.7	799.9	794.5	737.6	568.7
65°	249.4	251.3	259.4	254.2	238.8	291.3	397.5	417.7	381.8	321.3	198.7
67.5°	183.9	184.8	195.4	222.9	214.6	193.9	187.1	190.4	111.6	51.3	33.2
70°	108.6	109.3	119.1	156.0	174.1	148.9	126.4	124.5	44.2	13.8	15.0
72.5°	61.5	60.3	62.1	74.2	94.9	79.0	65.1	59.2	13.3	7.7	7.7
75°	29.2	28.4	24.4	22.9	20.9	13.3	8.3	7.1	3.3	3.1	3.1
77.5°	0.2	0.6	0.4	0.6	0.6	0.4	0.2	0.2	0.6	0.6	0.8
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3
2.5°	741.5	735.3	733.8	733.4	727.6	721.3	714.8	712.3	708.6	706.3	708.2
5°	727.6	718.6	710.7	703.4	690.4	676.3	664.0	656.0	648.5	643.5	644.8
7.5°	707.8	696.1	677.9	659.4	635.6	614.3	590.6	576.0	562.4	554.9	558.4
10°	686.7	671.3	642.3	610.8	573.5	540.1	506.1	478.4	462.3	447.1	448.8
12.5°	666.0	645.6	602.2	554.5	507.4	458.1	406.8	368.5	342.2	323.2	320.3
15°	646.9	620.6	563.2	500.3	436.0	370.6	305.1	250.2	219.8	201.0	199.8
17.5°	629.8	597.2	522.8	443.5	363.1	279.2	203.9	162.9	145.3	137.2	136.4
20°	613.3	573.7	481.5	386.0	283.4	196.0	140.8	121.8	116.2	112.8	113.2
22.5°	597.4	548.0	438.1	322.2	212.5	137.6	109.1	101.8	101.1	101.6	101.8
25°	584.1	524.5	393.5	260.7	151.6	104.9	91.1	89.0	90.9	93.6	94.0
27.5°	577.2	505.3	349.9	198.7	109.7	85.3	79.0	79.9	83.2	86.1	86.5
30°	579.1	490.9	304.9	144.1	84.5	71.9	69.9	71.5	74.9	77.6	78.0
32.5°	592.4	483.6	258.8	104.9	69.4	62.8	61.9	63.2	66.1	68.2	68.4
35°	618.9	485.3	215.0	80.3	59.6	55.9	55.7	56.5	58.0	59.4	59.6
37.5°	657.9	498.8	171.8	66.7	54.0	51.3	50.5	50.5	51.5	52.1	52.5
40°	699.8	519.2	137.6	59.0	50.0	47.1	45.5	44.8	45.7	46.5	46.7
42.5°	734.4	539.7	111.8	53.6	46.9	43.0	40.9	40.5	41.5	43.0	43.4
45°	760.9	555.5	93.2	49.2	43.4	39.0	36.7	36.7	38.6	41.1	41.5
47.5°	785.1	568.2	79.5	45.3	40.0	35.5	33.2	33.6	36.7	40.0	40.7
50°	801.6	578.5	69.2	41.7	37.3	32.5	30.4	31.3	35.0	39.0	39.6
52.5°	819.3	591.0	62.6	38.6	34.8	30.2	28.4	29.0	33.2	37.5	38.4
55°	868.3	632.9	62.4	34.4	30.4	27.1	26.3	26.5	30.7	35.7	36.7
57.5°	908.4	669.8	66.5	29.0	25.4	23.8	23.4	23.6	27.3	32.9	34.2
60°	751.5	520.5	55.1	24.0	21.3	20.9	20.2	20.6	24.2	29.2	30.2
62.5°	444.8	297.6	26.3	18.4	18.1	17.7	17.1	17.9	21.3	25.6	26.3
65°	152.0	88.2	16.7	15.0	15.4	14.8	14.2	15.0	17.9	20.4	20.6
67.5°	29.2	23.4	13.3	12.5	12.7	11.5	11.3	12.1	13.8	14.2	14.0
70°	15.2	13.6	10.2	10.2	9.8	8.1	8.1	9.0	9.0	8.3	8.1
72.5°	7.9	7.5	6.7	7.5	6.3	5.0	5.0	5.4	5.0	4.2	4.2
75°	3.1	3.1	2.9	3.8	2.7	2.3	2.1	2.5	1.9	1.5	1.5
77.5°	0.8	0.8	0.8	1.0	0.6	0.6	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.2	0.0	0.2	0.0	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)