

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: P628975

Luminaire Tested: GWS-SA1A-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-760-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

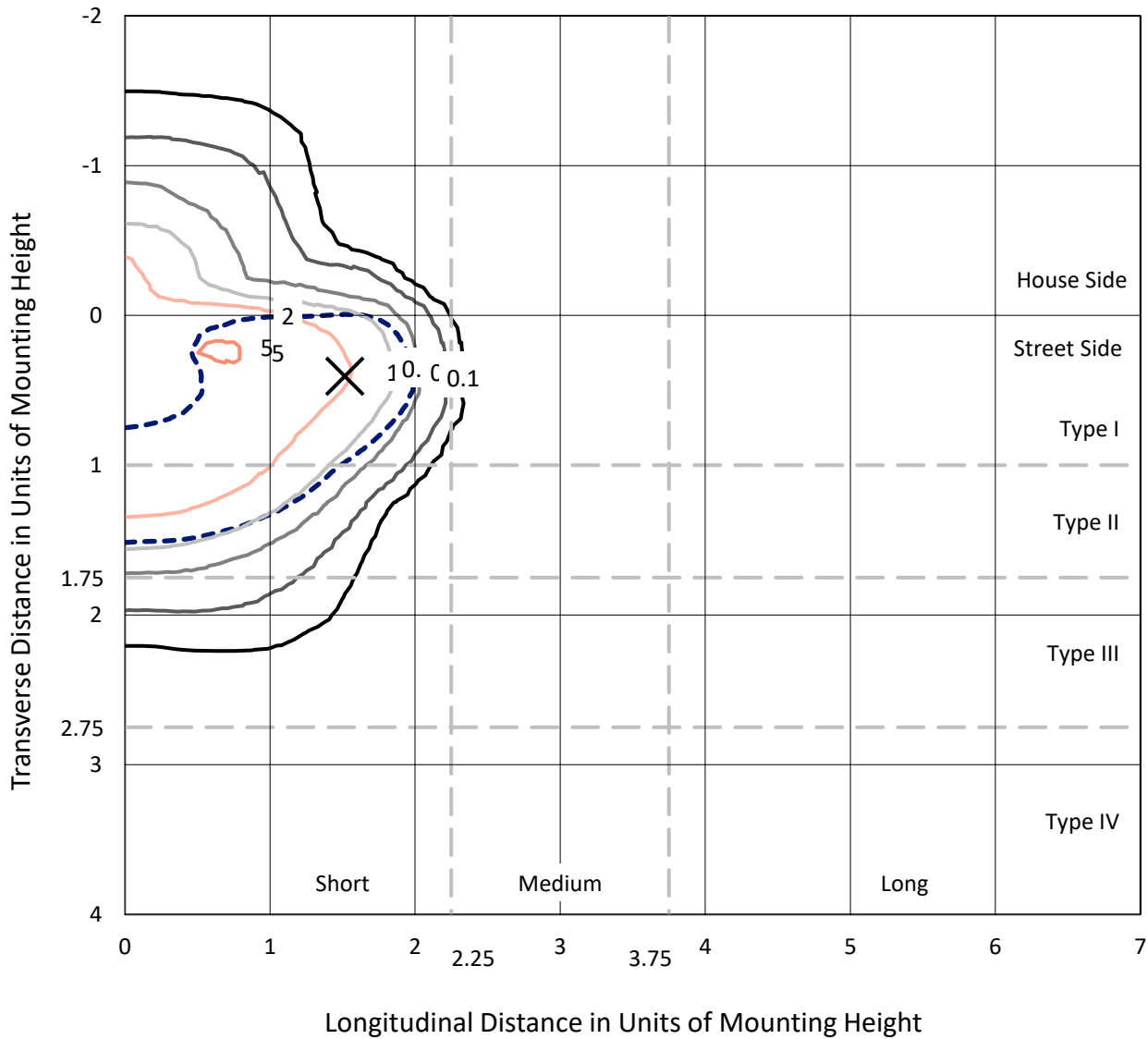
Lumens per Lamp: N/A  
Luminaire Lumens: 1704.2 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

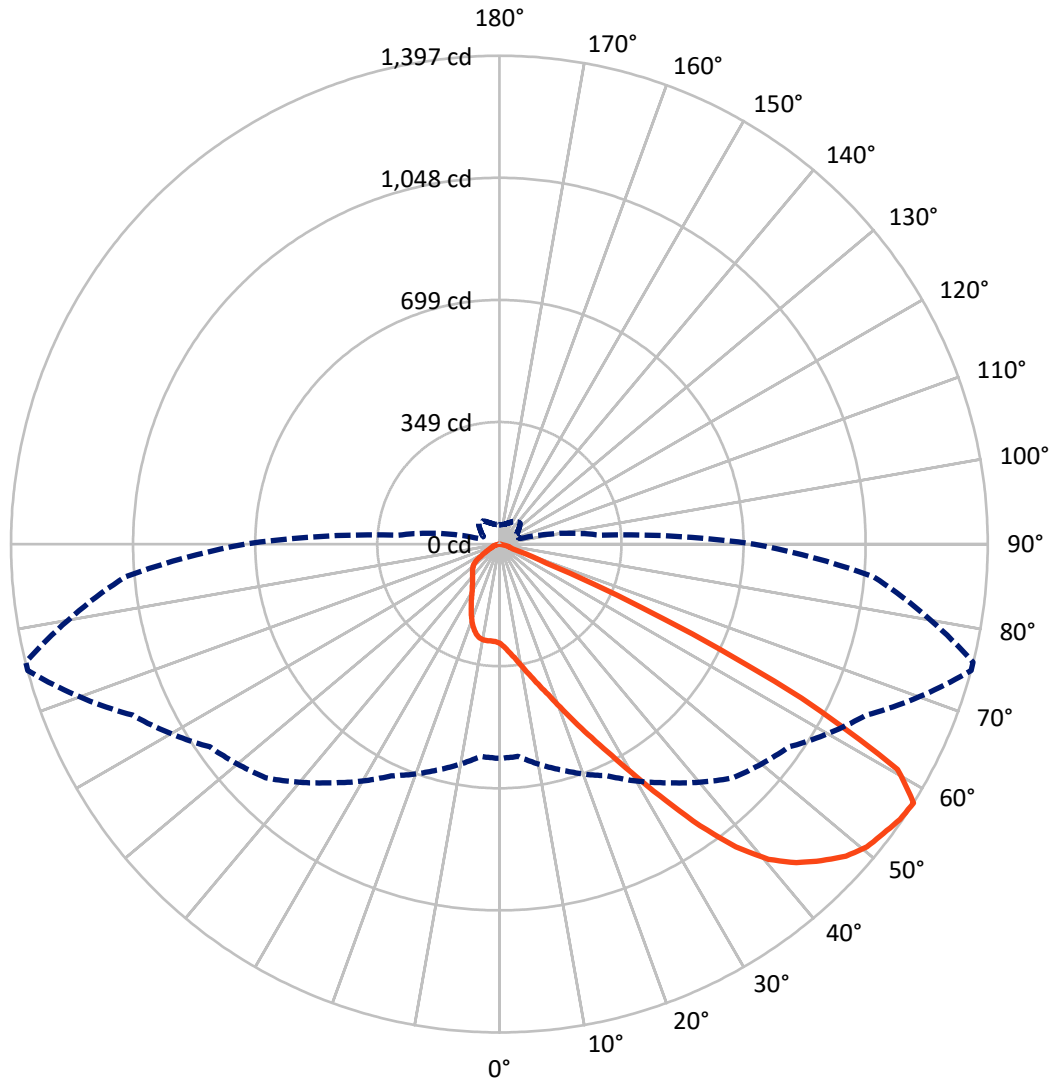
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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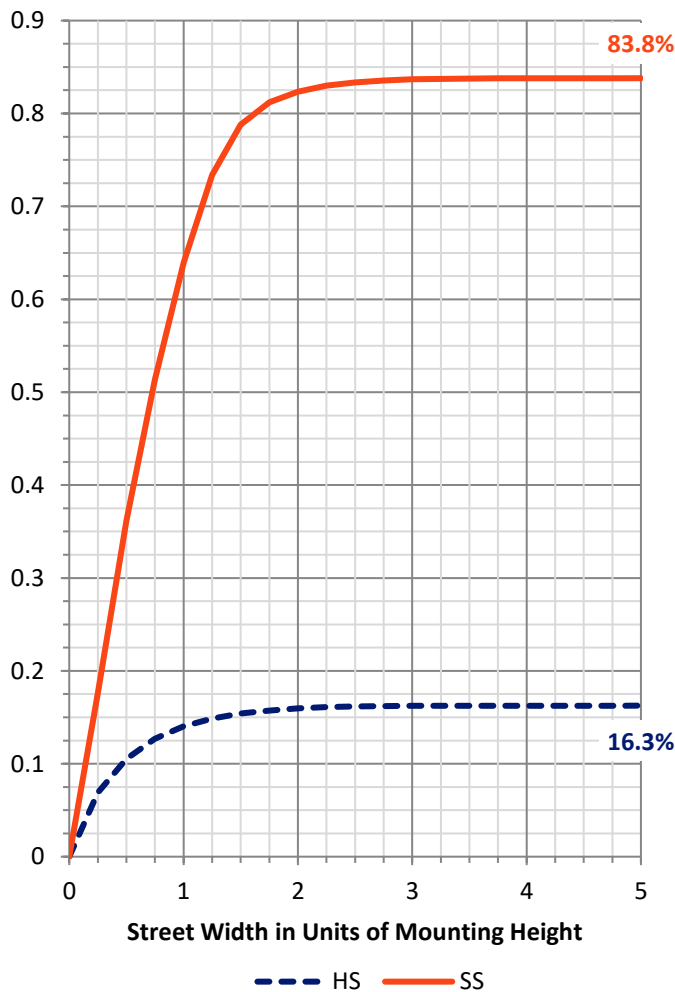
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	278.4	0.0	278.4
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	1425.8	0.0	1425.8
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	1704.2	0.0	1704.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.9	1.7
10°-20°	94.0	5.5
20°-30°	172.1	10.1
30°-40°	285.5	16.8
40°-50°	436.0	25.6
50°-60°	489.9	28.7
60°-70°	180.7	10.6
70°-80°	17.3	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°	1704.2	100.0
0°-180°	1704.2	100.0

**Coefficient of Utilization**



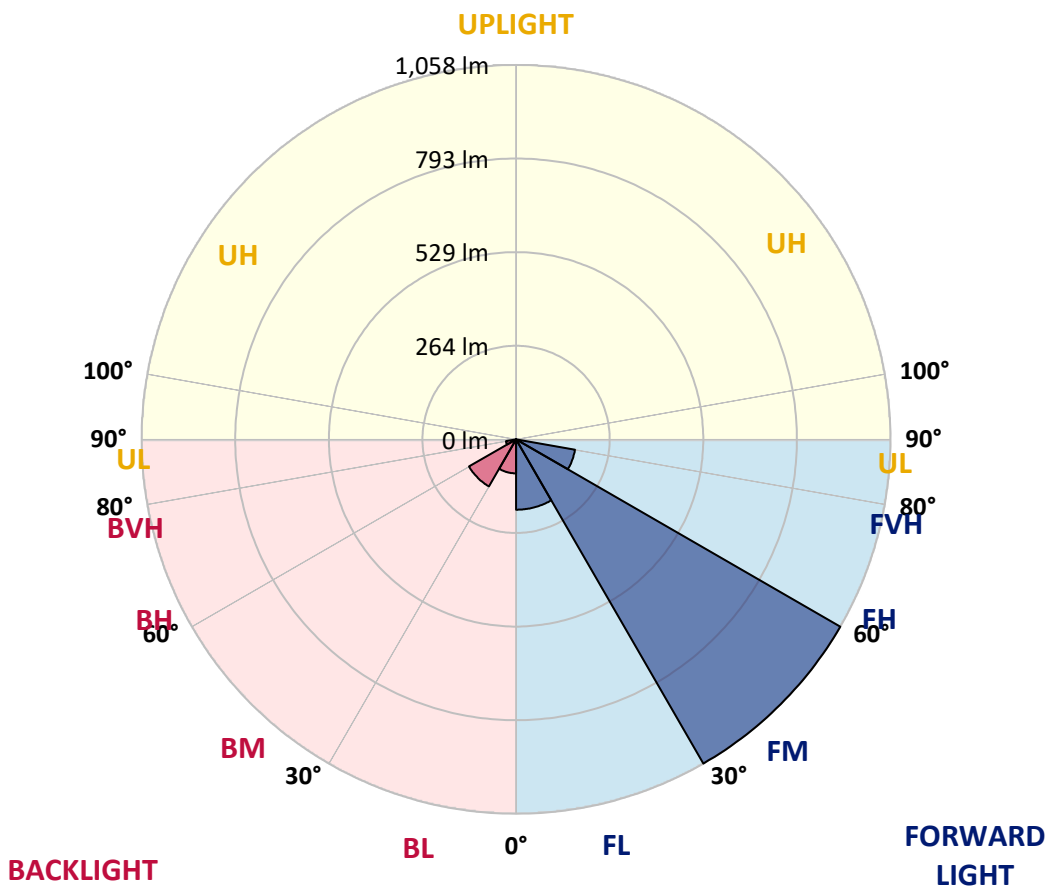
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.9	11.7			
FM (30°-60°)	1057.9	62.1			
FH (60°-80°)	169.0	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	96.1	5.6	B0/110		
BM (30°-60°)	153.4	9.0	B0/220		
BH (60°-80°)	28.9	1.7	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: 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°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2
2.5°	317.6	320.8	319.8	317.8	316.5	312.2	309.5	301.7	296.2	295.5	290.4
5°	357.7	357.0	356.2	353.8	351.7	344.9	336.9	323.7	312.0	310.6	299.7
7.5°	379.7	380.1	380.5	380.1	378.6	373.5	364.7	349.2	331.3	330.1	312.8
10°	388.7	389.5	391.6	395.5	399.0	398.6	393.4	377.6	355.6	353.5	330.3
12.5°	393.0	394.1	397.4	404.8	414.2	421.6	422.4	408.3	384.0	380.7	351.1
15°	399.0	400.0	404.1	413.8	427.6	442.2	451.7	442.6	415.5	412.0	373.9
17.5°	401.7	403.1	409.1	421.8	439.7	462.1	483.5	482.7	452.7	450.0	400.4
20°	406.8	407.8	413.2	427.0	448.6	480.9	516.9	529.8	498.1	494.2	432.5
22.5°	423.1	423.5	425.9	434.6	454.7	494.4	550.8	584.7	551.8	546.7	468.5
25°	449.6	449.4	450.4	451.9	466.7	508.2	583.5	646.6	613.3	607.8	509.2
27.5°	483.3	483.3	485.8	481.7	487.6	525.3	615.8	717.8	684.9	677.1	553.9
30°	523.0	522.8	528.6	522.0	523.8	552.2	650.5	795.3	771.3	761.6	605.3
32.5°	576.9	575.7	582.3	573.2	567.0	592.9	692.9	876.4	874.7	859.9	669.9
35°	645.0	642.9	645.0	636.1	625.0	649.9	748.4	957.2	989.5	973.9	746.8
37.5°	712.6	719.2	721.5	706.3	697.2	722.1	815.3	1029.6	1099.1	1082.9	826.8
40°	792.4	790.4	798.2	781.1	775.4	802.9	880.7	1083.5	1185.9	1170.5	898.0
42.5°	851.3	855.0	864.6	855.2	850.7	876.6	935.6	1114.9	1246.2	1230.9	948.8
45°	921.8	924.5	928.2	920.4	915.6	941.1	975.3	1128.7	1292.0	1275.6	982.9
47.5°	998.1	1000.2	1000.2	984.1	968.9	979.4	1001.8	1136.5	1334.2	1318.3	1008.2
50°	1052.8	1053.9	1062.9	1051.6	1018.5	1002.2	1014.0	1144.1	1362.2	1347.3	1016.4
52.5°	1004.3	1003.1	1032.9	1056.3	1065.2	1032.9	1034.9	1155.3	1375.7	1363.0	1023.0
55°	845.7	843.7	885.6	942.6	1020.5	1061.9	1060.2	1161.8	1390.7	1382.9	1046.9
57.5°	613.1	609.6	668.0	731.4	833.6	945.7	1011.5	1158.1	1397.3	1396.7	1074.6
60°	368.6	365.7	420.8	487.4	566.4	679.1	788.3	1037.4	1309.3	1310.5	1002.4
62.5°	226.9	229.5	279.3	313.2	342.6	376.6	439.7	697.8	969.9	978.0	704.4
65°	152.6	154.7	200.7	243.5	243.5	199.1	170.9	333.6	517.5	503.9	333.2
67.5°	102.4	104.7	141.1	191.1	198.3	138.8	69.3	99.5	144.2	139.9	82.5
70°	60.3	62.7	94.0	131.0	144.4	96.7	46.3	42.2	40.9	39.7	32.1
72.5°	26.9	28.0	47.9	66.6	60.9	40.7	32.7	33.7	31.9	31.3	26.1
75°	8.2	8.6	12.3	14.4	14.6	14.6	19.7	26.5	25.1	25.3	20.2
77.5°	2.1	2.1	3.3	3.1	1.6	1.4	3.7	6.0	6.2	5.6	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
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°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2
2.5°	288.1	282.8	279.3	274.4	270.9	267.2	263.9	261.2	259.8	259.4	259.6
5°	294.7	286.3	278.1	268.6	262.0	255.9	250.9	247.0	245.2	244.5	244.5
7.5°	304.8	293.1	278.5	263.7	252.6	242.9	237.1	232.8	231.2	230.8	229.5
10°	318.0	301.9	277.9	254.8	239.2	229.1	225.0	223.8	224.4	224.6	224.4
12.5°	333.8	311.2	274.0	241.9	225.0	218.8	219.2	222.5	226.2	228.1	228.5
15°	350.7	319.6	265.1	226.4	212.9	212.7	218.6	226.2	233.4	236.5	237.3
17.5°	369.6	326.4	251.5	210.0	202.4	208.3	219.0	230.8	240.4	245.6	246.6
20°	390.4	332.0	234.3	194.6	193.1	203.8	218.6	233.0	245.0	250.7	251.7
22.5°	412.0	335.9	214.3	180.4	184.7	198.7	214.7	228.7	240.0	246.6	247.4
25°	436.6	336.3	193.9	168.4	176.9	191.7	205.3	216.8	226.2	232.0	232.6
27.5°	458.2	331.3	175.8	158.8	169.7	183.0	192.1	198.5	205.1	208.3	208.6
30°	483.1	322.7	158.8	151.0	162.3	172.4	176.9	178.3	178.9	179.6	178.7
32.5°	512.7	312.2	146.0	143.4	153.8	160.6	161.9	159.0	155.5	150.6	149.3
35°	549.1	302.7	135.5	135.9	144.6	148.7	147.7	141.5	134.7	128.7	127.7
37.5°	588.6	294.7	127.5	128.7	134.5	137.4	134.3	127.5	124.4	119.3	119.5
40°	623.6	288.1	120.3	121.6	124.2	126.9	122.0	117.4	123.2	122.8	123.2
42.5°	648.5	282.6	114.1	113.5	115.4	117.2	113.5	111.3	120.9	118.3	119.7
45°	663.1	277.4	109.0	105.3	108.2	111.5	109.0	106.1	109.4	97.1	96.0
47.5°	673.0	274.6	104.5	97.3	102.4	108.2	103.0	96.0	91.3	80.6	79.8
50°	674.0	273.1	99.1	89.1	95.6	101.8	95.8	86.2	79.4	74.7	74.0
52.5°	679.3	276.0	91.7	78.6	85.8	95.6	91.5	81.9	72.6	68.5	67.7
55°	703.2	288.1	79.4	64.2	74.7	90.9	88.0	73.0	64.2	61.7	61.1
57.5°	727.9	290.6	62.5	50.8	65.0	84.1	80.4	67.3	58.6	55.7	55.1
60°	665.6	239.4	46.9	42.0	57.4	77.7	74.5	63.8	53.7	50.2	49.6
62.5°	437.3	129.4	37.2	35.6	48.3	65.8	67.9	57.6	47.9	44.2	44.0
65°	201.6	60.1	28.6	28.2	37.8	52.4	58.4	50.4	40.5	37.2	37.2
67.5°	54.9	29.8	22.4	20.8	25.7	35.2	42.6	37.6	28.8	24.9	24.7
70°	27.4	24.1	20.2	17.9	18.5	21.8	25.1	21.0	14.6	11.9	11.7
72.5°	22.4	19.7	17.1	15.2	14.0	13.4	13.0	10.5	6.8	5.1	4.9
75°	16.7	14.2	12.1	9.9	8.4	7.8	7.0	5.1	2.9	1.6	1.4
77.5°	3.7	3.5	3.3	2.5	2.3	1.9	1.4	1.0	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	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)