

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: P628964

Luminaire Tested: GWS-SA1A-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2260.6 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

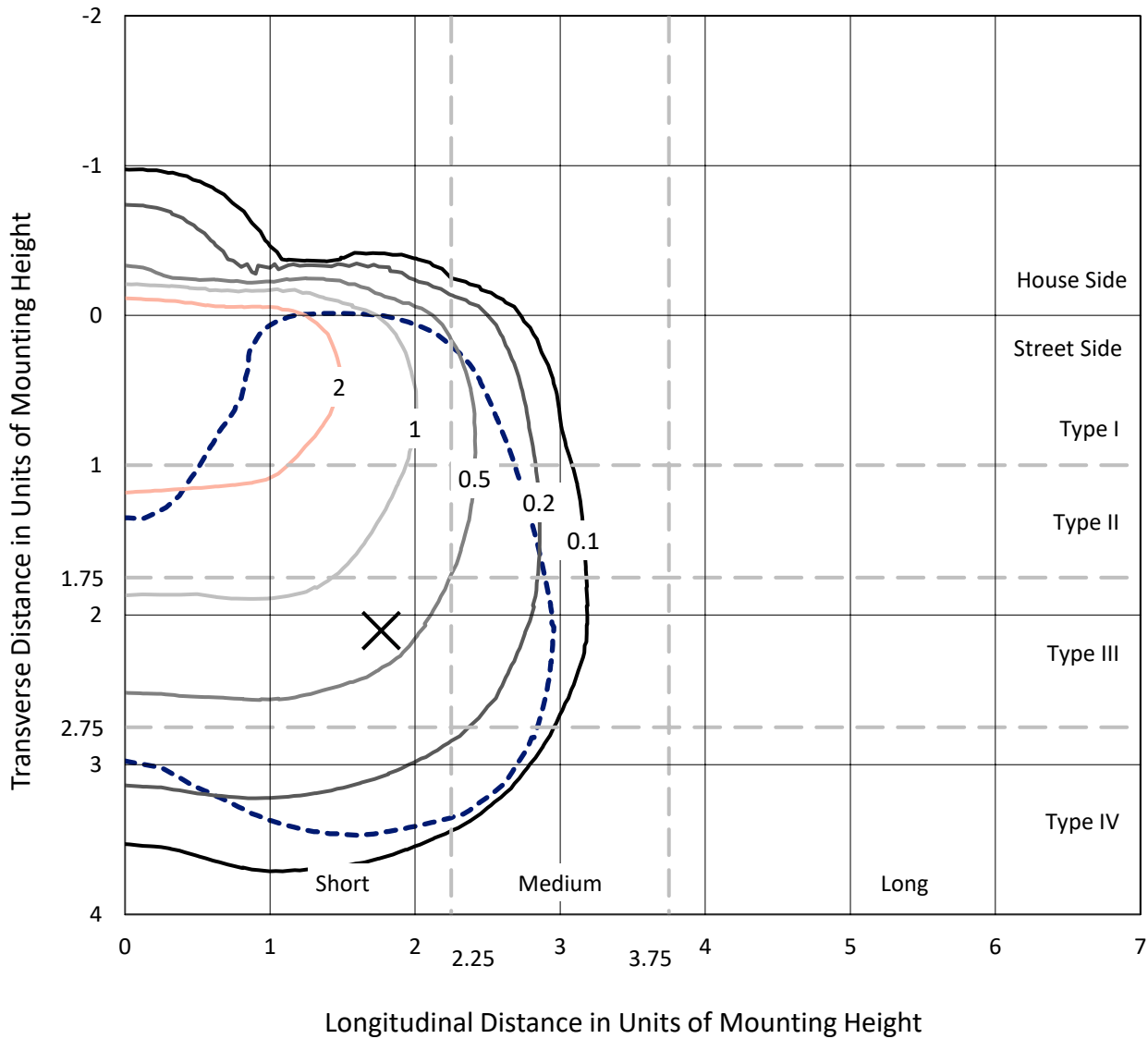
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

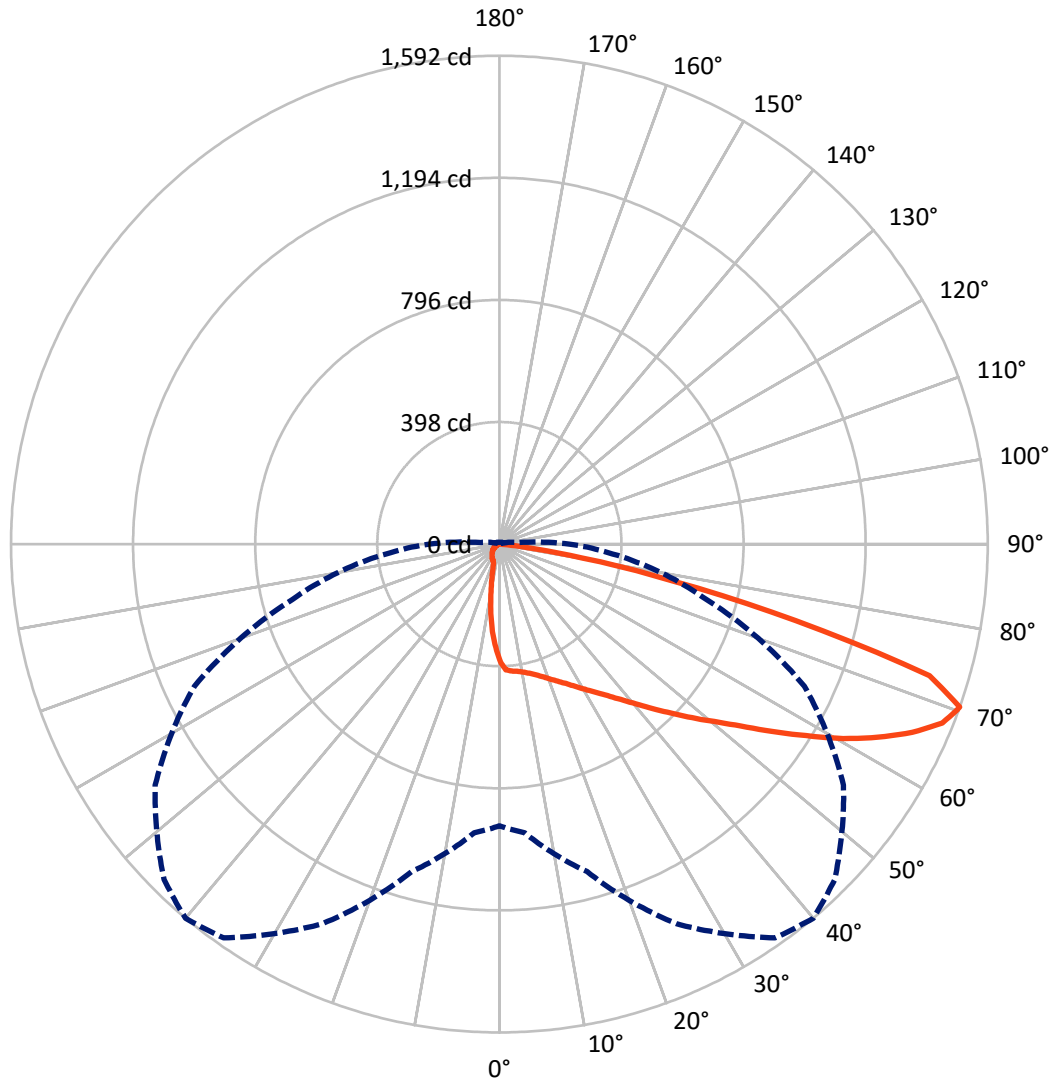
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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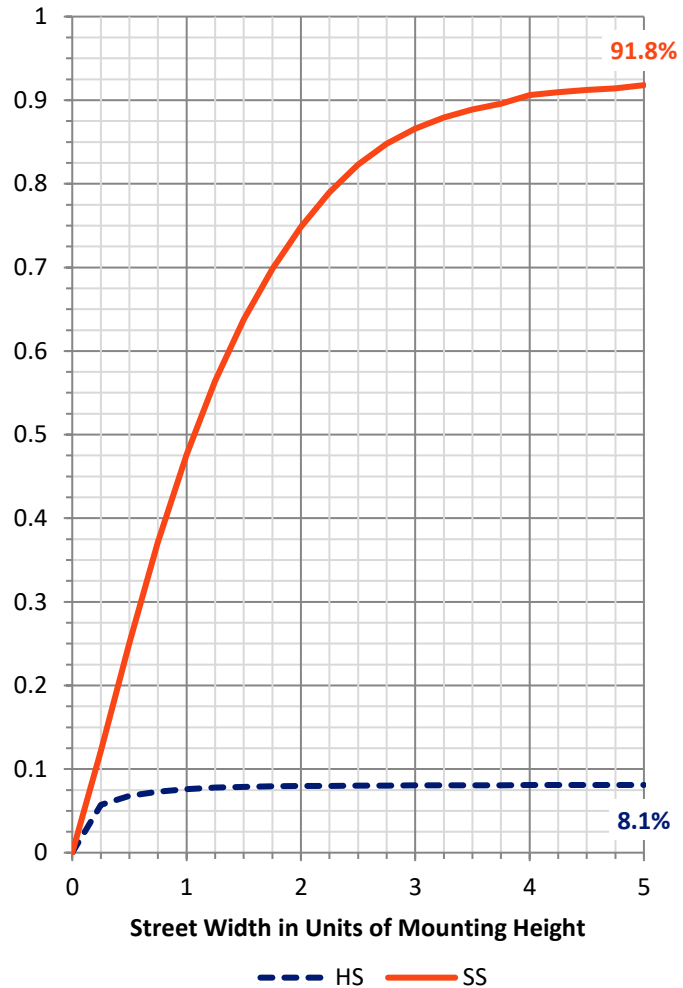
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	184.9	0.0	184.9
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2075.7	0.0	2075.7
	% Fixture	91.8	0.0	91.8
Total	Lumens	2260.6	0.0	2260.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	1.4
10°-20°	82.2	3.6
20°-30°	137.6	6.1
30°-40°	216.2	9.6
40°-50°	341.9	15.1
50°-60°	498.8	22.1
60°-70°	618.3	27.4
70°-80°	312.8	13.8
80°-90°	20.4	0.9
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°	2260.6	100.0
0°-180°	2260.6	100.0

Coefficient of Utilization



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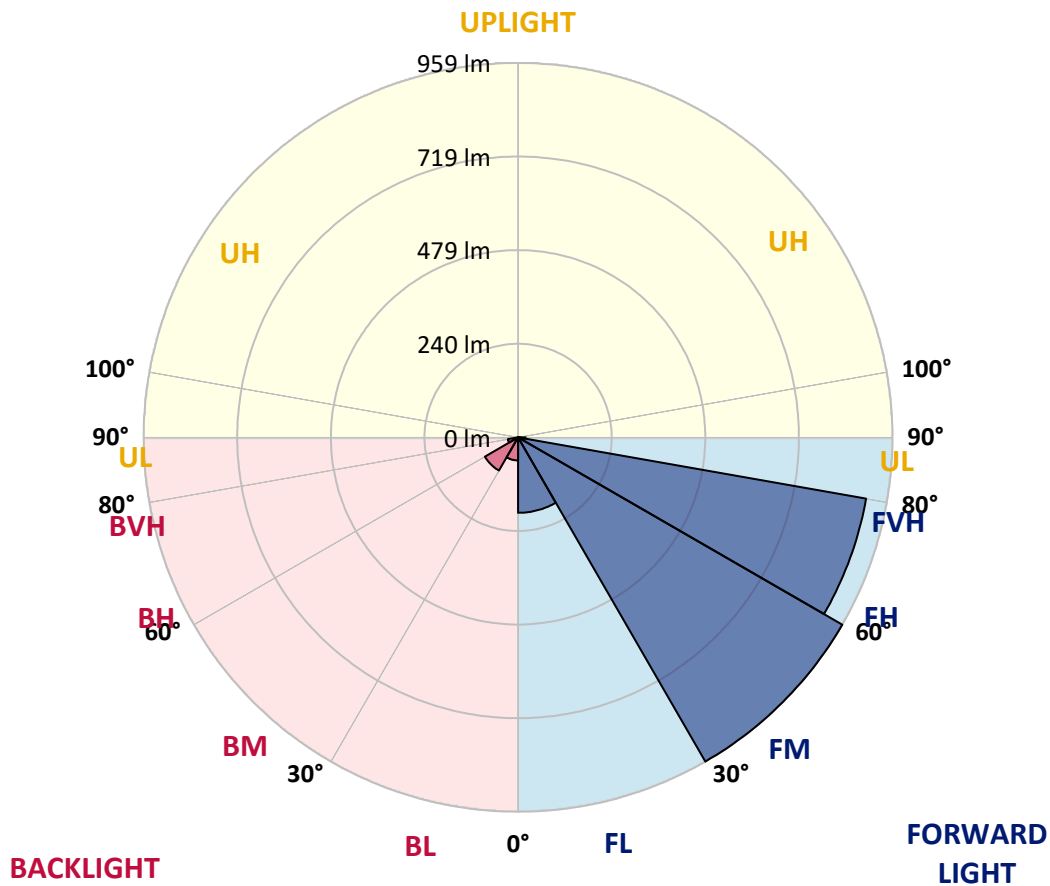
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.2	8.5			
FM (30°-60°)	958.7	42.4			
FH (60°-80°)	904.7	40.0			G1/1800
FVH (80°-90°)	19.1	0.8			G1/100
BL (0°-30°)	59.0	2.6	B0/110		
BM (30°-60°)	98.1	4.3	B0/220		
BH (60°-80°)	26.4	1.2	B0/110		G0/110
BVH (80°-90°)	1.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6
2.5°	412.4	413.8	413.6	414.2	412.8	410.5	410.1	407.0	401.5	394.5	386.7
5°	420.8	422.5	421.2	420.6	417.9	415.5	414.9	411.6	405.2	395.7	382.2
7.5°	428.0	428.4	427.6	426.2	422.3	419.0	416.7	412.2	404.6	395.1	379.5
10°	429.3	429.1	429.5	429.7	427.2	424.3	422.5	416.3	406.6	396.6	379.7
12.5°	427.8	427.8	430.5	433.6	433.6	432.1	430.3	424.7	413.4	401.5	383.8
15°	429.7	430.3	435.4	441.2	443.0	441.6	440.8	435.0	423.3	410.1	391.2
17.5°	436.3	436.9	445.1	453.7	456.0	454.4	452.7	446.9	434.4	420.0	399.6
20°	445.9	447.6	458.1	469.2	471.2	469.2	465.9	457.8	445.3	430.7	407.7
22.5°	463.6	464.6	475.9	487.7	488.7	485.4	480.5	469.4	456.2	442.0	416.7
25°	487.1	488.5	499.8	511.1	508.4	503.5	496.7	484.2	469.2	455.4	428.2
27.5°	515.0	516.7	527.8	537.7	530.7	524.9	517.3	501.7	486.4	473.9	443.0
30°	545.3	546.7	556.6	565.4	556.2	549.4	540.3	524.3	508.9	499.4	464.0
32.5°	574.5	574.3	583.7	590.9	581.5	576.1	567.9	551.6	539.3	535.2	495.3
35°	601.6	601.6	609.4	616.6	609.8	607.0	599.4	586.4	579.4	584.3	537.0
37.5°	629.0	627.5	634.9	643.0	642.3	642.6	638.2	632.1	632.5	650.0	594.4
40°	651.6	651.0	659.6	670.1	678.3	684.9	682.2	684.5	697.5	730.2	667.8
42.5°	669.7	671.1	682.2	698.9	719.7	733.1	734.9	744.2	777.5	828.1	750.7
45°	690.5	690.7	706.1	731.6	764.7	785.9	793.3	817.2	864.5	929.7	841.7
47.5°	716.0	713.5	730.8	766.6	814.5	845.8	858.9	888.8	962.0	1028.8	915.7
50°	744.2	739.6	759.2	807.9	870.2	909.3	936.1	979.7	1058.6	1110.3	970.8
52.5°	776.9	772.5	794.8	855.4	937.1	984.6	1018.9	1063.0	1141.5	1172.4	1003.7
55°	818.4	814.1	837.5	912.4	1016.1	1077.8	1113.8	1150.8	1218.7	1218.3	1027.6
57.5°	864.5	858.5	891.0	984.4	1114.6	1178.8	1215.4	1233.5	1277.3	1253.8	1043.6
60°	917.3	912.0	957.0	1070.2	1228.3	1287.8	1310.8	1303.4	1325.4	1274.8	1038.1
62.5°	965.1	962.6	1018.5	1161.1	1336.7	1386.9	1393.3	1361.0	1360.8	1275.2	1000.6
65°	1014.6	1019.4	1102.5	1265.8	1445.7	1479.5	1468.6	1418.2	1375.0	1224.8	890.0
67.5°	1033.1	1046.9	1157.8	1360.4	1531.7	1558.0	1538.9	1446.8	1316.0	1055.4	677.7
70°	918.8	944.7	1105.5	1365.7	1567.3	1592.4	1546.5	1369.8	1097.1	699.1	371.3
72.5°	698.7	728.9	921.2	1118.3	1409.5	1466.7	1388.4	1116.0	707.1	306.3	124.6
75°	391.0	423.7	686.2	842.1	946.3	998.6	969.8	716.0	313.3	80.0	37.2
77.5°	132.3	143.2	319.2	521.0	624.7	577.8	489.1	355.6	115.2	30.4	19.7
80°	78.4	82.5	118.9	259.4	328.7	272.5	215.1	131.4	58.6	16.2	13.8
82.5°	23.4	27.8	65.6	96.3	128.8	80.2	67.9	75.1	30.4	8.8	11.5
85°	0.0	0.0	14.0	29.8	33.7	13.2	13.2	42.6	5.6	3.7	8.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.6	0.8	1.9
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°	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6
2.5°	381.1	373.9	365.5	357.5	349.9	340.0	335.3	329.5	324.6	321.9	323.3
5°	373.5	362.2	344.9	327.4	309.8	293.1	278.1	268.0	259.0	254.2	255.3
7.5°	366.9	351.7	324.8	296.2	267.8	239.2	216.0	197.9	183.9	178.1	177.1
10°	364.1	344.9	306.9	265.7	222.1	183.7	150.8	130.8	116.6	109.6	110.9
12.5°	365.5	341.4	291.7	235.9	179.4	134.5	103.0	84.3	74.3	70.1	69.1
15°	369.6	340.6	278.1	205.5	138.4	94.0	71.2	63.6	61.5	61.1	61.1
17.5°	374.3	340.8	264.1	174.6	105.1	69.7	60.9	59.4	58.8	58.4	58.6
20°	379.1	340.8	248.1	143.4	79.0	60.3	58.0	57.0	56.4	56.2	56.2
22.5°	384.8	340.8	230.2	114.4	63.4	57.2	55.3	54.7	54.1	53.9	53.7
25°	391.8	341.0	210.4	89.5	57.6	54.5	53.1	52.4	51.8	51.4	51.4
27.5°	401.9	342.7	188.6	69.7	54.3	52.0	50.8	50.2	49.6	49.0	49.0
30°	416.5	346.8	164.1	57.6	51.2	49.4	48.1	47.7	47.1	46.5	46.3
32.5°	438.3	354.0	138.8	51.6	48.3	46.5	45.0	44.6	44.0	43.4	43.2
35°	468.7	367.1	114.2	47.9	44.6	42.8	42.0	41.8	40.9	40.3	40.3
37.5°	513.4	388.5	90.5	44.2	41.5	40.1	39.1	38.7	37.8	37.2	37.0
40°	567.9	416.3	70.3	41.3	38.7	37.2	36.2	35.6	34.6	33.7	33.3
42.5°	637.4	450.2	55.5	38.3	36.0	34.6	33.7	32.5	31.1	29.8	29.6
45°	709.8	485.2	45.9	35.4	33.5	32.3	31.3	29.6	27.6	26.1	25.7
47.5°	765.3	507.0	40.1	32.3	30.9	29.8	28.6	26.5	24.1	22.4	22.0
50°	805.0	510.3	35.8	29.4	28.6	27.6	25.7	23.2	20.6	18.9	18.5
52.5°	824.6	495.5	32.3	26.7	26.1	25.1	22.8	20.2	17.3	15.6	15.2
55°	833.4	467.5	29.0	24.5	23.7	22.4	20.0	17.1	14.2	12.8	12.3
57.5°	829.9	426.2	26.1	22.2	21.2	19.7	17.1	14.0	11.7	10.3	10.1
60°	804.0	368.2	23.2	20.0	18.7	17.1	14.4	11.5	9.5	8.4	8.2
62.5°	748.1	296.2	20.4	17.3	16.5	14.8	12.3	9.5	7.8	7.2	7.0
65°	633.5	209.4	17.5	14.6	14.2	12.5	10.3	7.8	6.8	6.4	6.2
67.5°	455.4	127.3	14.8	12.5	12.1	10.7	8.6	6.8	6.2	6.0	6.0
70°	228.9	60.3	11.7	10.3	10.3	8.8	7.4	6.2	6.0	5.8	5.8
72.5°	77.7	25.7	8.8	8.0	8.4	7.6	6.4	5.8	5.8	5.8	5.8
75°	26.5	13.6	6.2	5.8	6.2	6.2	5.6	5.6	5.8	5.8	5.8
77.5°	17.3	9.1	4.3	3.9	4.7	4.7	4.7	5.1	5.6	5.6	5.6
80°	14.2	4.9	2.9	2.7	3.5	3.5	3.9	4.7	5.1	5.1	5.1
82.5°	12.1	3.1	1.6	1.9	2.5	2.7	3.3	3.9	4.5	4.7	4.7
85°	8.2	1.6	1.2	1.4	1.6	2.1	2.7	3.3	3.7	4.1	4.1
87.5°	2.3	0.6	0.8	1.0	1.0	1.4	2.1	2.5	2.9	3.1	3.1
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)