

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: P628988

Luminaire Tested: GWS-SA1A-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2515.4 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

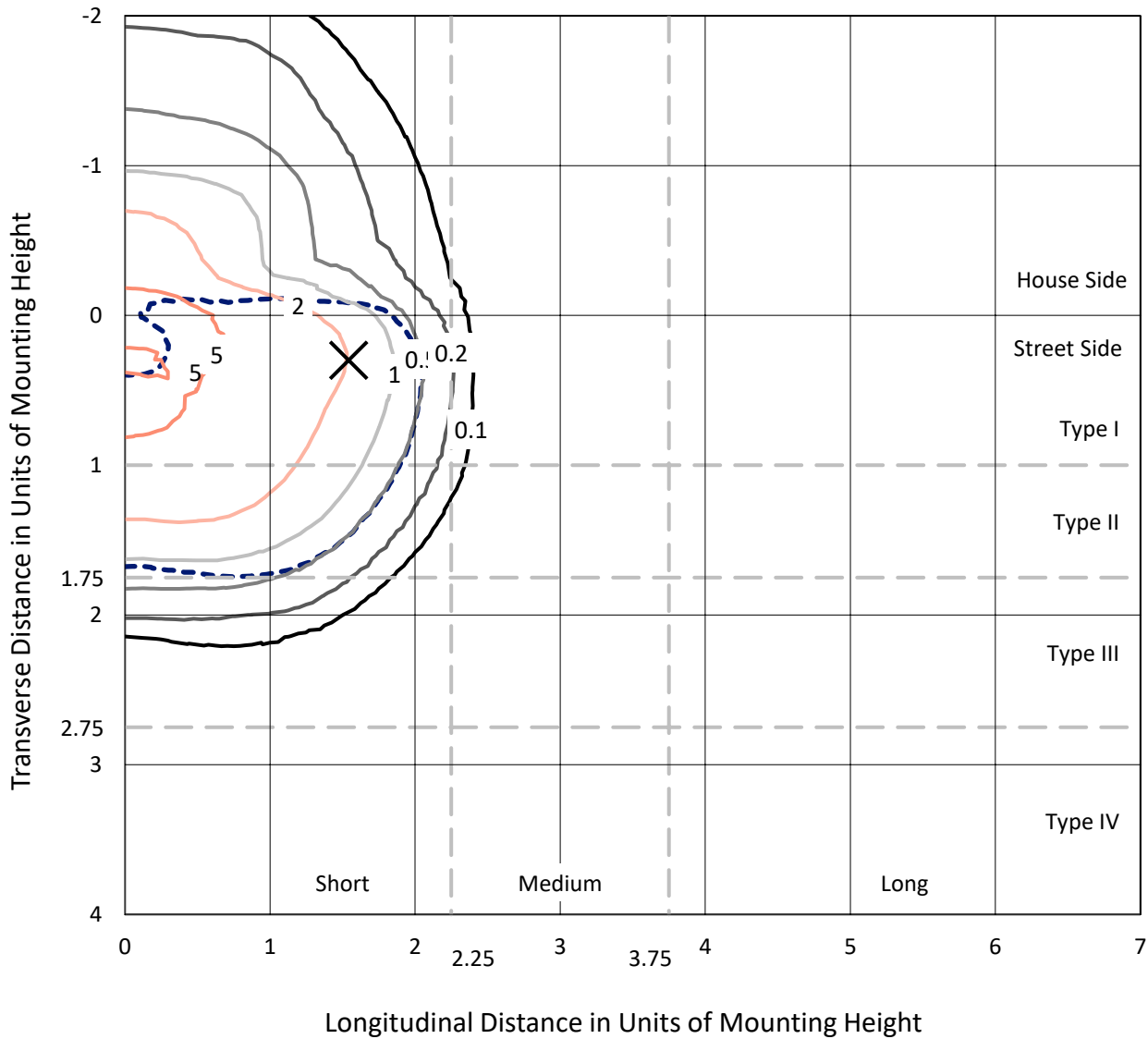


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Iso-Footcandle Lines of Horizontal Illumination

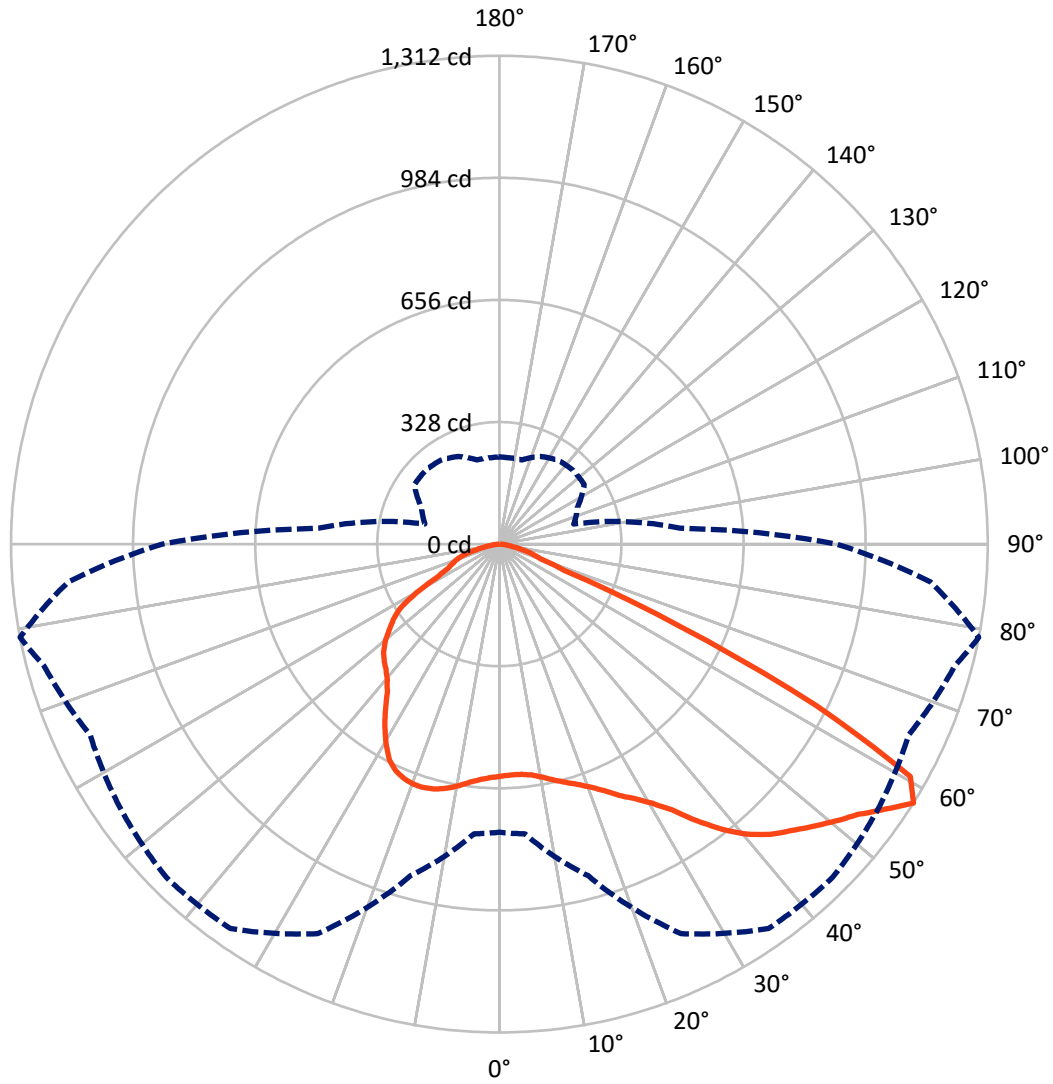
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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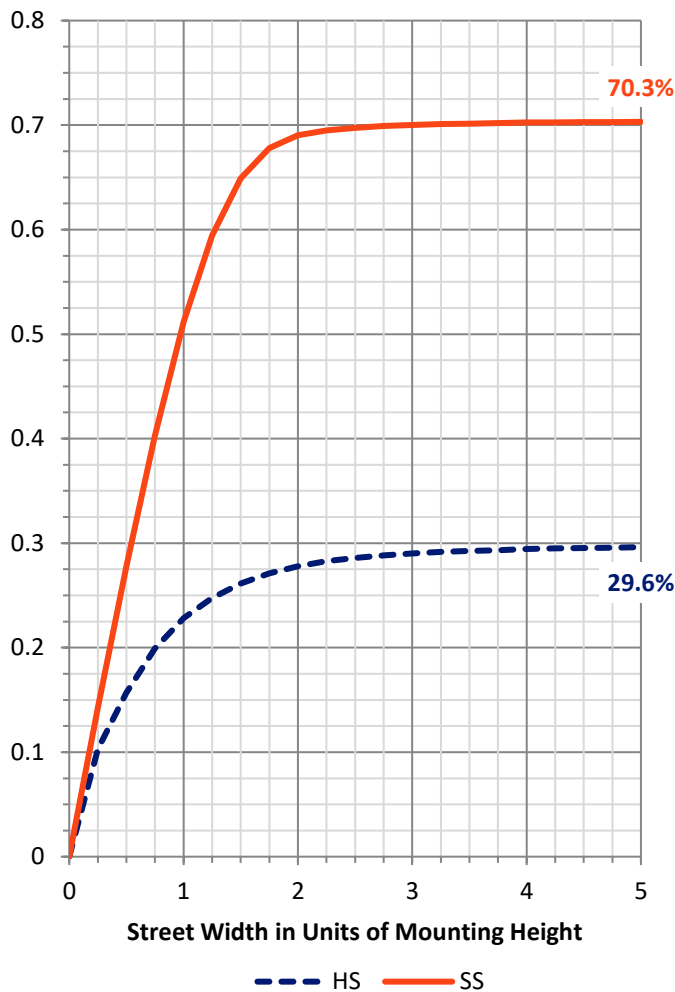
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.7	0.0	747.7
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	1767.7	0.0	1767.7
	% Fixture	70.3	0.0	70.3
Total	Lumens	2515.4	0.0	2515.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	2.3
10°-20°	160.4	6.4
20°-30°	271.9	10.8
30°-40°	416.2	16.5
40°-50°	555.0	22.1
50°-60°	641.0	25.5
60°-70°	333.1	13.2
70°-80°	70.8	2.8
80°-90°	9.2	0.4
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°	2515.4	100.0
0°-180°	2515.4	100.0

Coefficient of Utilization



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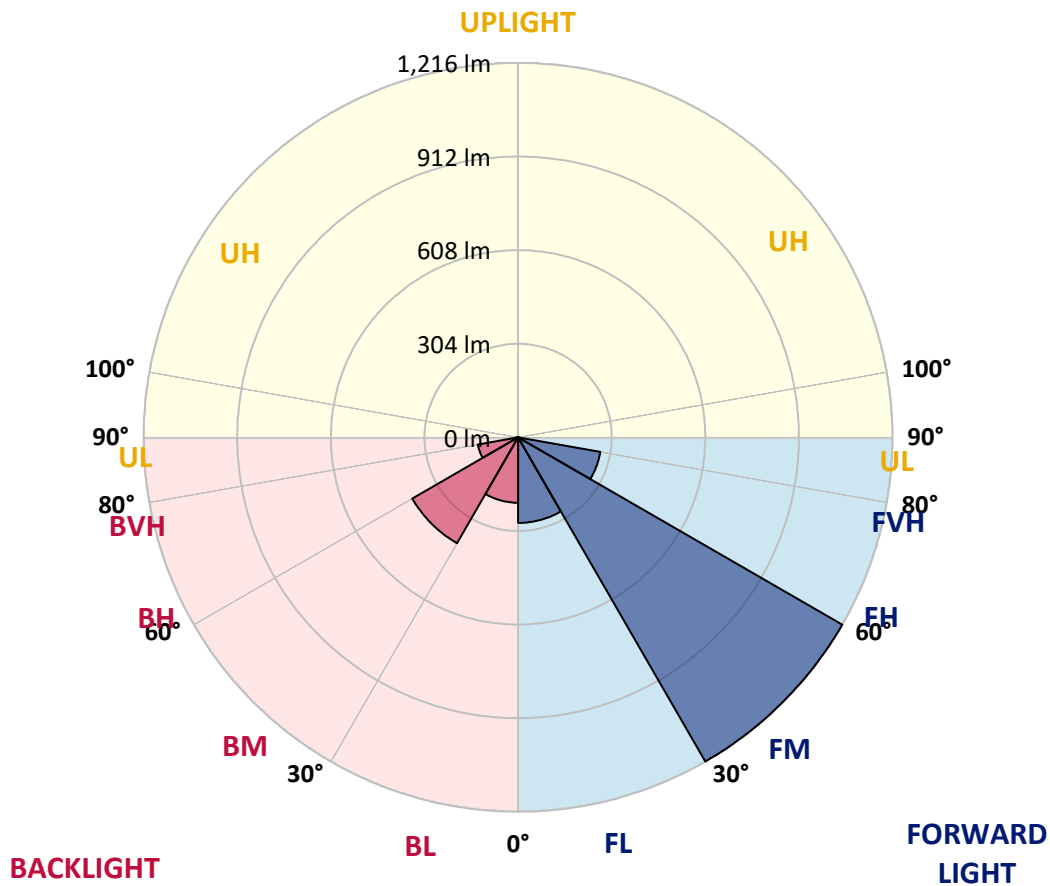
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.8	11.0			
FM (30°-60°)	1215.5	48.3			
FH (60°-80°)	271.2	10.8			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	212.3	8.4	B1/500		
BM (30°-60°)	396.7	15.8	B1/1000		
BH (60°-80°)	132.7	5.3	B1/500		G1/500
BVH (80°-90°)	6.0	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	595.0	593.8	594.2	595.8	602.0	606.5	611.2	615.6	619.7	620.9	621.9
5°	573.8	571.5	572.2	574.8	582.0	589.6	598.1	608.4	618.2	621.5	625.8
7.5°	558.8	558.4	559.4	563.5	571.1	578.3	589.2	603.8	620.9	626.5	634.1
10°	538.8	538.0	542.1	550.6	563.1	574.6	587.6	604.9	628.7	636.9	648.7
12.5°	523.0	522.6	526.9	538.6	554.7	573.0	590.9	610.2	639.2	650.5	664.9
15°	532.3	530.4	530.6	538.8	553.2	574.8	599.1	619.9	649.7	664.1	682.6
17.5°	559.2	555.9	553.4	554.9	563.1	585.5	611.7	632.8	661.8	678.7	701.3
20°	596.4	594.6	587.8	583.3	585.1	604.9	631.4	651.1	677.7	696.6	720.9
22.5°	646.4	641.9	632.6	625.4	619.9	635.3	659.8	676.8	699.7	719.4	744.7
25°	708.3	701.7	687.1	675.8	663.9	679.7	701.5	714.5	729.9	748.2	772.3
27.5°	771.5	765.9	749.7	734.4	719.6	729.5	755.4	762.8	761.2	774.5	795.1
30°	838.7	831.7	816.3	799.8	780.7	787.1	810.3	814.0	796.5	807.7	821.6
32.5°	909.7	902.9	889.5	870.4	848.8	851.3	857.6	861.1	844.5	850.8	861.5
35°	981.9	975.5	961.9	943.0	927.1	912.1	896.1	910.1	900.4	912.7	911.9
37.5°	1047.9	1041.5	1033.1	1018.5	991.3	961.7	924.7	942.0	957.0	972.6	969.9
40°	1092.5	1088.2	1090.2	1088.0	1053.0	994.4	938.7	957.6	998.5	1025.2	1023.8
42.5°	1131.0	1126.6	1138.6	1147.2	1106.1	1024.6	945.4	963.5	1025.0	1066.8	1064.7
45°	1148.0	1146.8	1166.5	1193.9	1154.6	1056.7	962.9	975.9	1045.2	1098.7	1090.9
47.5°	1127.7	1132.0	1170.9	1217.1	1194.9	1094.8	998.7	1002.0	1071.5	1133.2	1111.2
50°	1087.2	1096.6	1149.1	1217.7	1224.3	1137.7	1048.3	1040.1	1106.9	1170.0	1121.9
52.5°	1028.1	1038.0	1123.6	1213.0	1241.2	1187.5	1114.3	1102.6	1151.5	1206.8	1123.8
55°	892.6	906.0	1065.1	1202.3	1257.6	1232.8	1188.8	1164.9	1209.1	1257.4	1142.1
57.5°	774.3	781.3	922.8	1154.8	1260.9	1266.1	1241.8	1213.4	1266.3	1312.2	1162.6
60°	568.3	569.9	697.2	955.5	1160.0	1246.7	1237.5	1195.3	1239.1	1268.3	1068.4
62.5°	321.0	321.3	422.8	637.8	866.5	1016.2	1022.0	984.7	947.9	956.6	743.7
65°	120.5	131.8	193.1	313.4	499.6	599.9	623.8	632.4	571.1	533.1	398.8
67.5°	80.6	83.3	112.7	161.2	222.3	256.7	287.1	287.9	210.6	187.8	157.1
70°	61.5	64.2	88.6	115.4	112.7	104.1	112.5	109.4	113.1	116.2	119.5
72.5°	45.9	48.5	68.7	81.4	67.7	66.6	75.5	83.9	91.7	95.0	100.2
75°	30.4	32.5	46.3	43.6	37.4	44.2	55.1	63.6	68.1	72.0	75.9
77.5°	19.3	20.8	24.7	19.9	20.8	25.9	32.1	39.7	44.0	47.9	50.0
80°	8.8	8.6	8.4	9.5	11.7	15.2	19.3	23.9	27.1	28.8	30.0
82.5°	3.5	3.9	4.3	5.1	6.4	8.2	10.9	14.0	16.7	17.1	18.1
85°	1.4	1.6	1.9	2.3	2.9	3.7	4.5	6.4	8.0	8.6	9.3
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.0	1.9	2.1	2.3
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°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	627.5	624.8	629.3	632.4	635.3	632.2	631.2	628.5	628.1	628.1	629.5
5°	633.2	631.4	636.1	638.0	637.8	631.0	626.9	621.5	618.8	618.8	619.3
7.5°	643.5	642.5	645.2	642.3	635.7	621.9	608.4	597.0	589.4	585.5	586.8
10°	660.6	659.4	657.1	646.4	627.5	598.9	571.1	550.6	538.2	531.2	531.6
12.5°	677.3	675.2	667.2	643.5	604.7	559.2	522.8	499.8	486.2	478.0	476.1
15°	695.6	690.2	672.9	628.7	567.4	510.7	472.6	447.7	433.1	428.2	428.0
17.5°	713.0	703.6	672.3	602.4	522.8	459.9	421.6	406.2	403.7	406.0	406.6
20°	730.7	715.5	665.5	566.0	469.7	409.3	389.5	395.9	405.2	411.3	412.8
22.5°	749.0	725.4	650.1	519.1	413.8	375.1	383.4	397.3	408.9	417.1	417.9
25°	769.6	734.6	627.1	461.7	369.0	365.7	381.9	396.7	409.1	418.5	420.2
27.5°	781.3	734.8	594.8	402.7	348.4	362.0	378.4	392.4	404.8	415.0	416.9
30°	792.8	729.3	543.6	354.8	342.4	357.7	372.5	385.4	397.1	407.2	409.5
32.5°	809.1	724.2	484.5	327.2	338.9	353.5	365.7	377.2	386.2	390.8	392.0
35°	829.2	717.6	421.8	315.3	336.7	350.2	360.9	367.1	355.4	352.9	355.6
37.5°	857.4	711.4	359.3	310.1	335.2	349.0	358.5	342.6	328.2	322.5	324.5
40°	887.9	707.9	316.9	306.0	335.9	350.2	348.2	324.7	304.0	291.8	291.4
42.5°	913.8	702.6	289.8	303.4	337.5	355.0	334.2	308.9	278.1	270.9	271.1
45°	931.3	689.0	275.4	300.5	338.9	356.0	327.6	287.1	265.1	260.6	260.4
47.5°	938.5	664.3	266.1	296.0	338.7	347.6	314.3	278.1	256.1	254.8	255.6
50°	933.7	623.8	256.7	287.1	333.8	338.7	298.8	270.0	249.9	256.7	261.6
52.5°	916.2	571.3	245.4	275.0	325.0	328.7	291.0	265.1	245.4	254.4	258.3
55°	911.7	528.8	231.0	259.1	311.8	310.8	282.8	262.6	242.3	238.8	239.4
57.5°	905.8	487.2	207.1	230.8	278.5	280.1	275.0	259.8	234.3	233.2	234.3
60°	786.9	373.5	184.7	199.1	228.7	237.5	266.1	254.4	221.3	217.0	216.8
62.5°	514.0	226.2	164.3	173.6	186.3	196.6	242.7	239.0	207.1	204.4	206.3
65°	276.4	161.2	149.5	155.1	162.1	169.9	201.1	212.9	187.2	177.7	177.9
67.5°	141.3	137.2	138.4	142.3	147.7	151.6	162.3	172.6	159.6	151.6	151.4
70°	120.9	124.2	126.1	128.3	131.8	131.2	132.2	134.1	133.1	129.2	129.0
72.5°	103.0	108.2	108.6	109.0	110.2	107.4	105.5	102.4	102.6	103.2	103.5
75°	78.4	83.3	84.5	83.9	85.1	81.4	79.0	75.9	72.2	71.6	72.0
77.5°	51.0	54.9	56.8	56.4	57.0	54.1	52.9	49.6	45.2	43.6	43.6
80°	30.8	33.1	34.6	35.0	35.6	33.5	31.5	28.6	26.7	24.9	24.9
82.5°	18.7	20.2	21.2	21.2	21.8	19.5	17.9	15.8	15.0	13.4	13.4
85°	9.5	10.5	10.9	10.7	10.3	8.4	7.8	6.8	6.4	5.6	5.6
87.5°	2.3	2.9	2.9	2.1	2.1	1.0	0.6	0.2	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)