

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: P629473

Luminaire Tested: GWS-SA1B-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3587.5 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

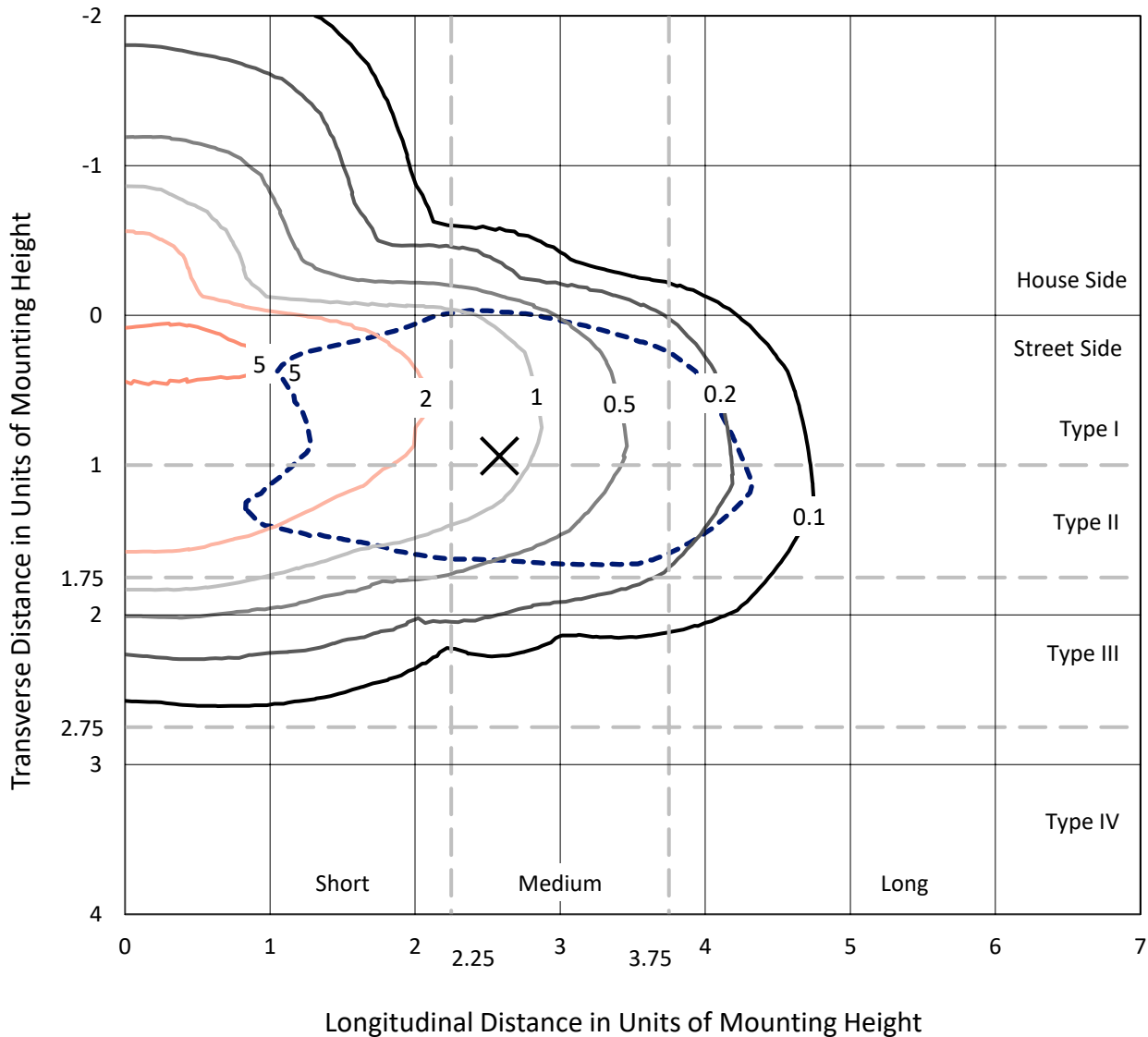
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629473
 CATALOG NUMBER: GWS-SA1B-760-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

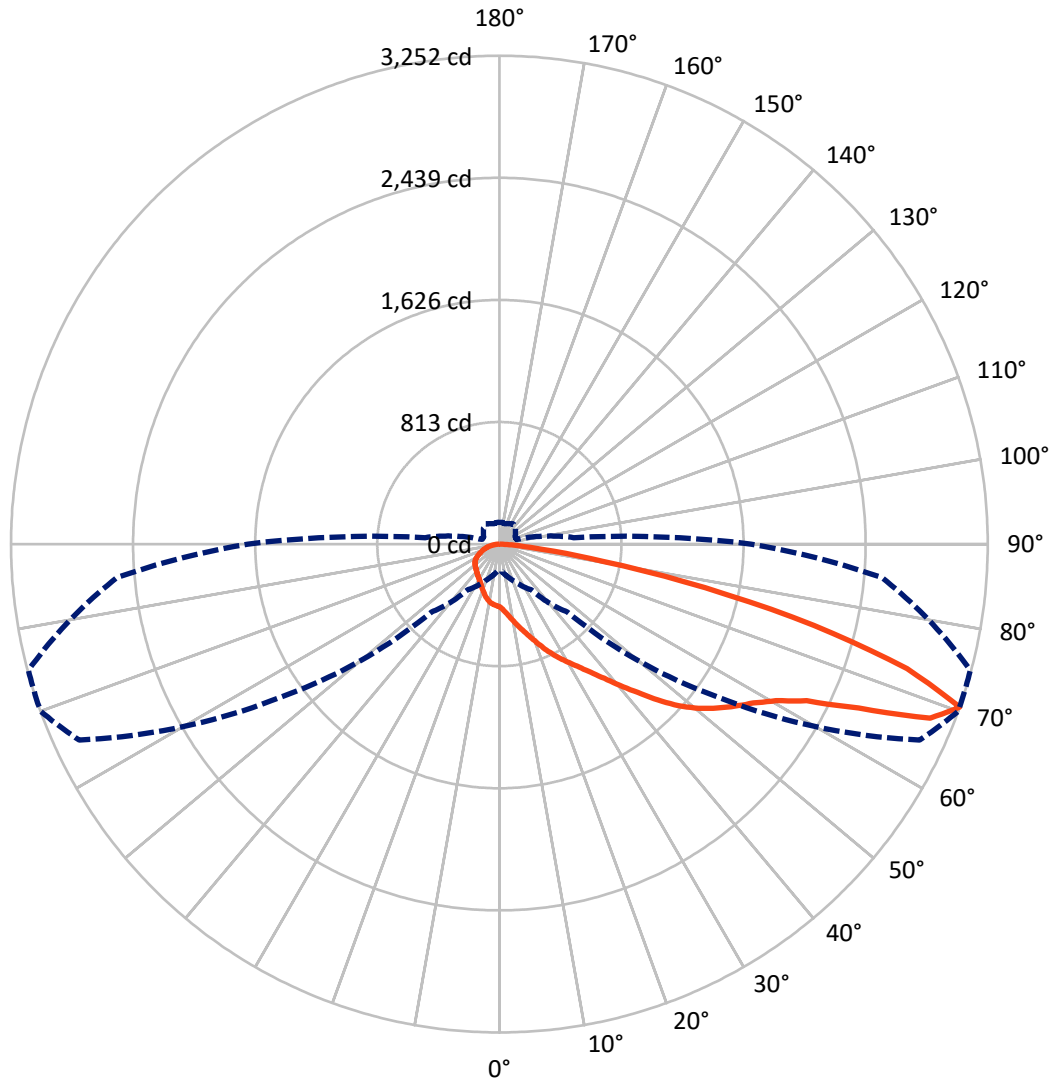
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

REPORT NUMBER: P629473
CATALOG NUMBER: GWS-SA1B-760-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629473

CATALOG NUMBER: GWS-SA1B-760-U-T2-W

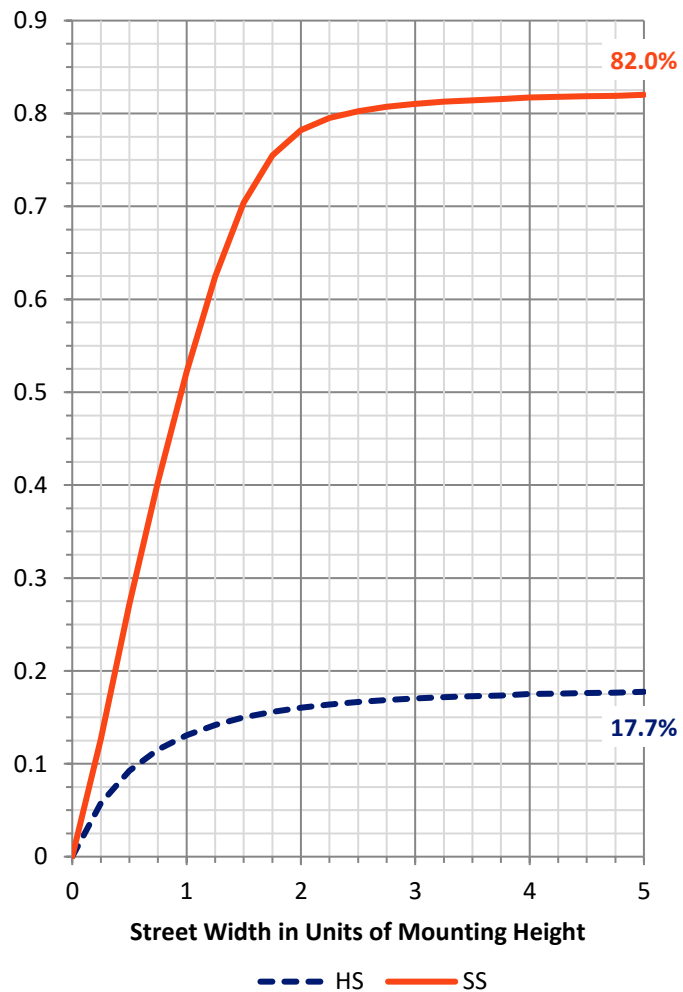
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	642.9	0.0	642.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	2944.6	0.0	2944.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	3587.5	0.0	3587.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	1.2
10°-20°	138.3	3.9
20°-30°	245.1	6.8
30°-40°	368.8	10.3
40°-50°	558.0	15.6
50°-60°	799.3	22.3
60°-70°	883.6	24.6
70°-80°	498.6	13.9
80°-90°	53.3	1.5
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°	3587.5	100.0
0°-180°	3587.5	100.0

Coefficient of Utilization



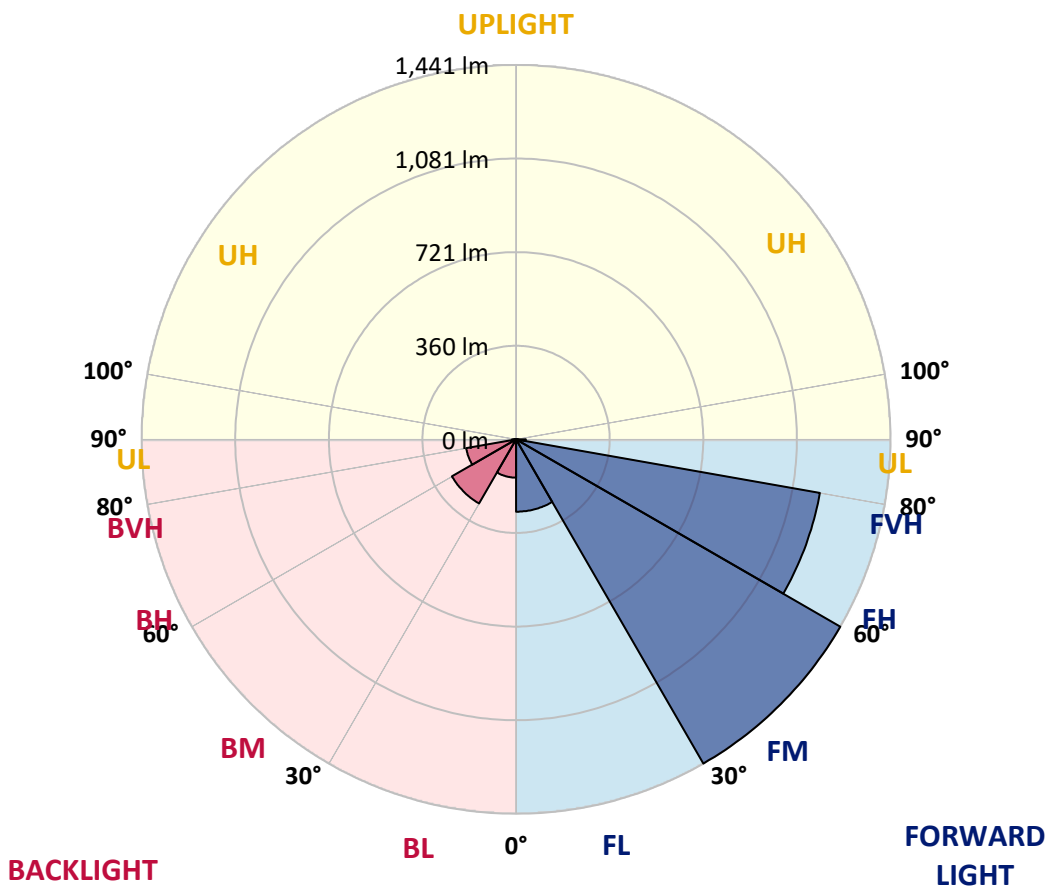
REPORT NUMBER: P629473

CATALOG NUMBER: GWS-SA1B-760-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.5	7.8			
FM (30°-60°)	1441.1	40.2			
FH (60°-80°)	1187.3	33.1			G1/1800
FVH (80°-90°)	37.7	1.1			G1/100
BL (0°-30°)	147.4	4.1	B1/500		
BM (30°-60°)	285.0	7.9	B1/1000		
BH (60°-80°)	194.9	5.4	B1/500		G1/500
BVH (80°-90°)	15.6	0.4			G1/100
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 Medium





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 CATALOG NUMBER: GWS-SA1B-760-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4
2.5°	463.5	462.7	463.2	462.7	459.9	452.9	447.1	439.9	435.0	432.1	425.4
5°	517.9	517.1	515.3	512.7	507.5	498.0	483.7	467.9	458.3	451.0	436.8
7.5°	557.1	557.1	556.8	553.7	550.1	539.9	523.1	502.4	488.4	475.9	452.6
10°	577.0	578.3	580.1	584.5	583.8	578.3	562.5	540.2	522.6	508.1	473.3
12.5°	587.9	588.7	591.8	600.9	610.2	611.5	602.2	578.8	559.7	540.2	496.4
15°	601.9	602.2	606.3	617.2	630.9	644.7	642.3	619.0	599.3	577.8	522.1
17.5°	612.8	614.6	622.1	634.8	651.9	670.9	682.3	667.7	643.4	618.8	550.1
20°	616.7	618.0	627.8	647.3	670.6	697.3	722.7	718.8	694.2	665.2	581.7
22.5°	630.7	630.7	637.9	654.3	681.7	720.6	761.8	771.9	750.2	716.2	615.6
25°	661.5	660.5	663.9	670.6	691.3	739.3	800.5	830.8	806.4	768.3	649.6
27.5°	703.8	703.3	703.0	704.0	711.0	755.6	833.1	885.7	861.4	818.3	679.9
30°	749.7	748.1	751.5	748.4	746.8	775.1	860.9	935.0	916.1	867.9	705.1
32.5°	812.1	809.3	808.5	798.4	792.2	805.4	883.2	991.0	976.0	921.3	733.3
35°	894.6	892.0	878.7	862.7	844.3	850.5	910.9	1045.7	1046.7	988.1	770.4
37.5°	977.8	978.3	967.9	930.1	911.1	907.5	953.1	1112.3	1134.6	1068.0	818.3
40°	1047.0	1050.1	1050.1	1010.2	981.9	978.5	1012.5	1191.4	1235.7	1166.0	879.0
42.5°	1099.6	1102.5	1111.5	1082.8	1052.9	1064.6	1084.6	1270.7	1350.3	1287.0	955.7
45°	1157.4	1159.7	1164.7	1148.1	1130.7	1161.8	1166.2	1365.6	1481.4	1422.8	1044.9
47.5°	1234.1	1232.1	1232.6	1220.4	1206.9	1257.2	1256.2	1445.4	1608.2	1571.6	1141.6
50°	1329.5	1333.4	1329.8	1305.7	1289.9	1335.7	1341.7	1533.8	1719.6	1718.9	1239.1
52.5°	1421.3	1422.8	1442.0	1443.1	1410.7	1401.1	1416.6	1623.0	1813.7	1853.7	1332.6
55°	1426.0	1431.9	1489.5	1530.9	1583.3	1506.3	1492.3	1708.0	1904.7	1985.6	1429.8
57.5°	1326.7	1336.3	1434.0	1523.4	1669.1	1687.0	1621.9	1817.9	1995.7	2115.5	1542.3
60°	1114.6	1134.6	1267.3	1404.2	1630.5	1816.9	1887.1	1967.2	2115.2	2248.2	1679.0
62.5°	711.8	719.6	905.7	1134.9	1456.5	1804.2	2175.9	2230.3	2297.2	2421.1	1889.4
65°	356.4	381.3	490.4	677.3	1050.3	1589.8	2321.8	2712.2	2630.3	2717.1	2230.6
67.5°	241.8	249.9	305.1	407.0	615.9	1126.3	2231.3	3118.1	3094.0	3108.3	2594.2
70°	178.3	183.5	227.1	288.2	372.5	639.5	1776.4	3087.5	3252.1	3247.0	2556.1
72.5°	130.1	132.7	165.6	220.1	276.1	330.8	1084.8	2494.2	2838.9	2988.5	2235.5
75°	94.6	97.7	115.1	164.6	214.6	206.3	535.5	1801.6	2165.0	2452.7	1821.3
77.5°	70.5	74.4	82.4	103.2	150.3	147.8	231.5	1169.8	1400.3	1602.0	1106.3
80°	50.8	51.6	56.3	66.1	95.4	86.6	110.2	609.9	699.4	766.2	433.7
82.5°	30.8	31.6	37.6	40.7	59.1	54.4	57.3	197.5	283.1	300.4	162.0
85°	9.1	9.6	17.1	18.7	24.6	23.3	23.1	80.4	95.9	122.6	63.8
87.5°	0.0	0.0	0.0	0.0	0.3	1.6	2.9	14.3	21.5	29.8	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629473
 CATALOG NUMBER: GWS-SA1B-760-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4	418.4
2.5°	422.8	416.8	413.7	408.3	404.4	400.5	396.6	393.0	391.4	389.1	389.6
5°	430.3	421.0	411.6	401.0	391.9	384.4	377.7	371.7	369.1	366.8	367.8
7.5°	441.7	427.7	409.8	390.4	376.1	365.8	358.8	354.6	353.3	351.5	351.5
10°	456.2	435.2	403.9	376.1	359.0	350.7	347.6	347.4	348.6	348.9	348.4
12.5°	472.3	442.5	395.0	359.3	344.8	342.2	344.5	348.9	353.3	355.6	355.1
15°	488.9	447.1	380.0	343.2	334.4	337.8	345.3	354.1	362.6	367.1	366.8
17.5°	504.4	448.2	360.6	327.7	325.3	333.9	346.8	360.6	372.2	378.5	378.7
20°	521.8	446.4	340.6	313.7	316.2	330.2	347.4	363.9	377.7	383.9	385.5
22.5°	537.6	440.2	321.2	300.4	308.5	325.8	343.2	358.8	370.9	376.9	379.0
25°	551.9	428.2	299.9	289.3	302.5	319.6	332.8	343.7	352.3	355.9	358.8
27.5°	559.7	410.3	283.8	280.5	296.8	310.8	318.1	321.4	324.3	323.2	325.3
30°	561.2	388.0	269.8	273.5	288.2	298.6	300.2	296.8	291.9	283.8	285.7
32.5°	559.7	362.4	258.2	266.0	278.7	284.9	282.8	274.0	262.1	249.6	250.4
35°	560.2	336.5	248.6	257.7	267.5	270.9	265.7	253.5	240.8	229.4	228.9
37.5°	565.9	314.7	240.6	249.6	256.6	257.1	251.4	238.7	232.3	223.7	222.7
40°	581.7	298.6	233.3	241.6	246.0	245.7	239.3	230.2	234.6	231.7	231.0
42.5°	607.6	288.8	227.3	233.0	236.1	236.7	231.5	225.8	235.4	231.7	230.4
45°	649.3	288.2	223.2	224.5	229.4	233.0	229.4	222.9	226.6	208.9	205.6
47.5°	698.8	297.1	220.1	217.0	225.5	232.0	226.3	215.9	208.4	192.3	190.0
50°	758.5	314.9	217.2	208.9	219.8	228.1	222.4	208.2	196.7	188.2	186.9
52.5°	829.2	338.5	213.6	199.9	211.3	226.0	222.4	207.4	192.3	184.6	183.3
55°	903.4	365.8	209.4	189.0	201.7	226.6	224.2	201.9	189.0	184.8	183.8
57.5°	995.4	398.4	201.9	176.3	193.1	221.9	217.0	198.8	186.6	183.3	182.2
60°	1114.9	446.9	187.7	163.3	183.3	213.6	210.5	193.6	180.4	177.6	176.8
62.5°	1304.1	529.1	170.3	150.9	171.6	196.2	200.9	183.8	172.6	172.4	172.1
65°	1612.6	627.8	149.8	139.7	159.4	182.0	188.2	173.7	164.6	167.5	167.2
67.5°	1828.8	636.4	133.0	128.1	145.2	166.4	175.5	163.3	153.5	158.9	158.6
70°	1675.1	496.4	118.5	115.9	129.9	149.6	161.8	150.3	140.5	145.7	144.6
72.5°	1412.7	380.5	104.7	103.2	114.3	131.9	144.1	137.4	127.0	127.0	124.7
75°	1135.4	313.9	90.2	89.4	96.9	114.1	127.8	116.4	106.8	106.3	104.7
77.5°	651.2	205.8	75.7	75.2	77.5	95.4	99.3	96.9	89.7	86.3	85.3
80°	259.5	107.1	59.6	56.3	58.6	70.0	78.3	74.4	68.2	64.0	61.7
82.5°	100.6	53.7	42.0	36.8	40.2	50.5	56.8	55.5	51.3	42.0	39.4
85°	41.0	26.2	25.1	21.3	23.3	27.2	32.7	28.3	23.3	16.6	15.8
87.5°	10.9	9.6	9.3	5.7	4.4	1.3	0.3	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)