

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: P629476

Luminaire Tested: GWS-SA1B-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2916.2 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

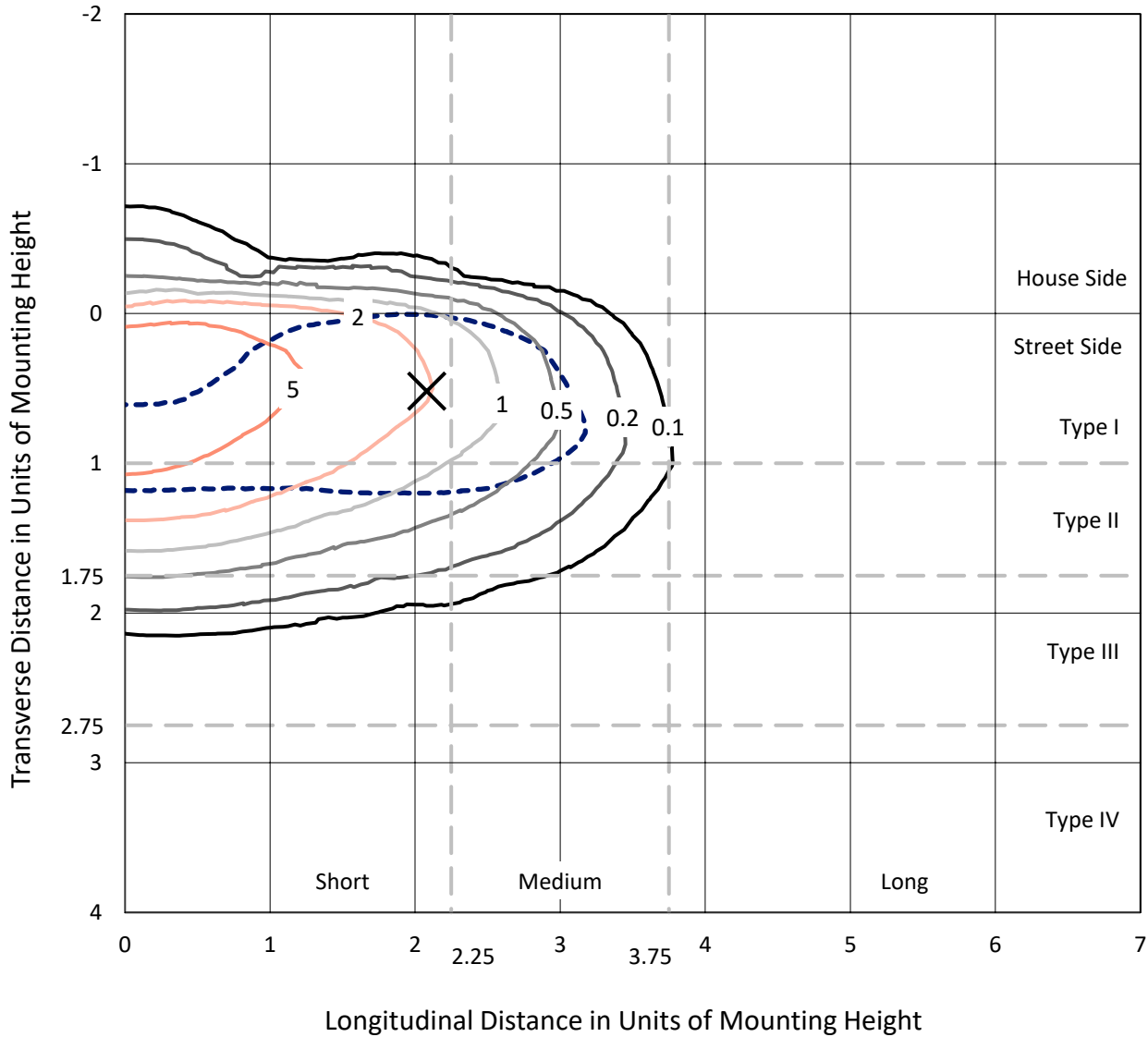
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629476
 CATALOG NUMBER: GWS-SA1B-760-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

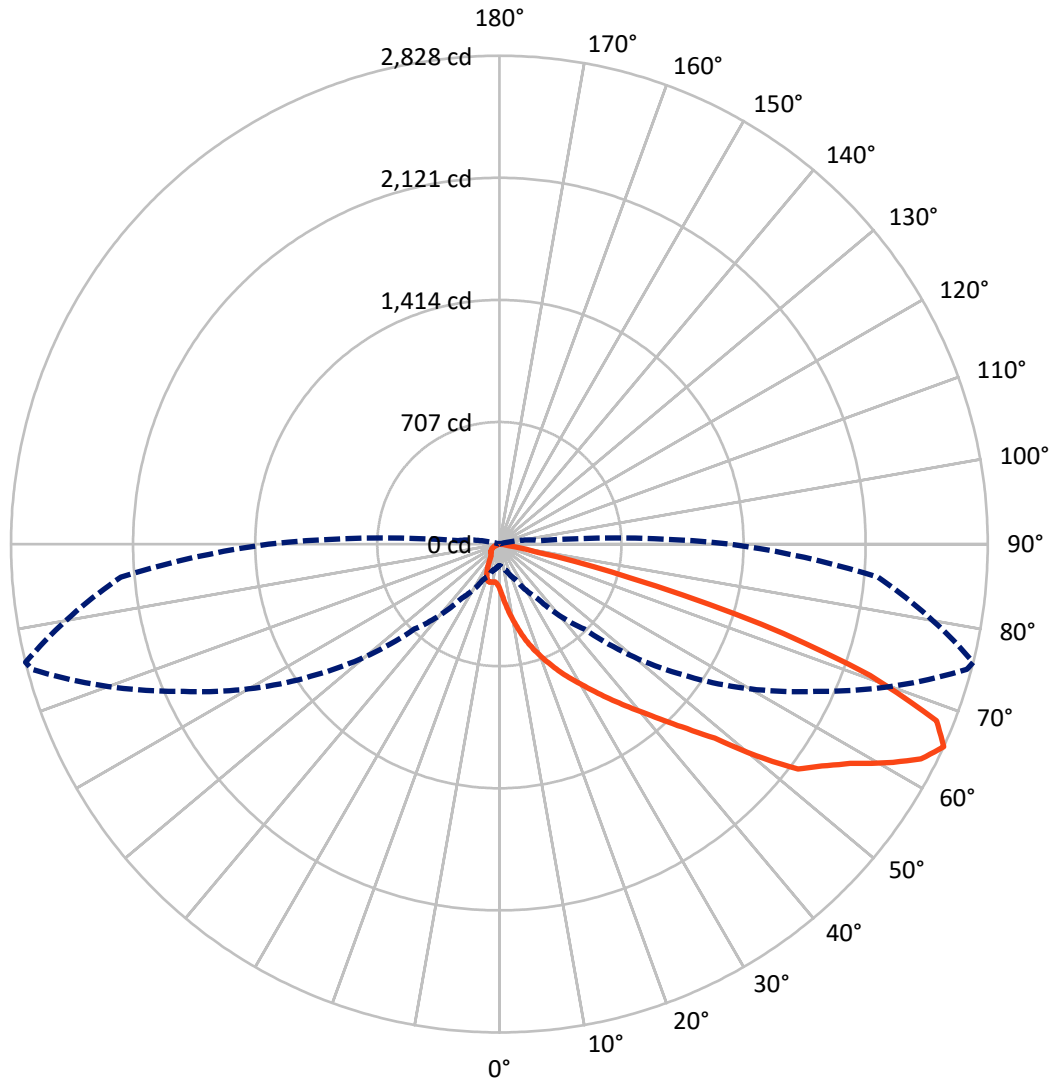
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

REPORT NUMBER: P629476
CATALOG NUMBER: GWS-SA1B-760-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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 CATALOG NUMBER: GWS-SA1B-760-U-T2R-W-HSS

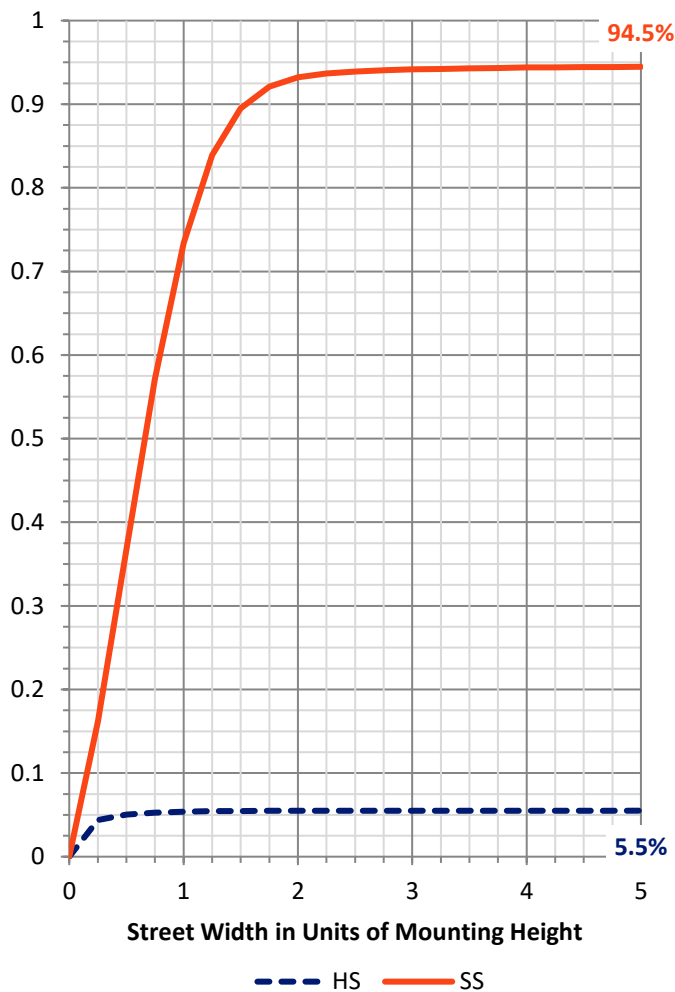
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	161.3	0.0	161.3
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2754.9	0.0	2754.9
	% Fixture	94.5	0.0	94.5
Total	Lumens	2916.2	0.0	2916.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	1.1
10°-20°	119.2	4.1
20°-30°	243.2	8.3
30°-40°	432.5	14.8
40°-50°	639.3	21.9
50°-60°	731.9	25.1
60°-70°	558.4	19.1
70°-80°	156.4	5.4
80°-90°	3.9	0.1
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°	2916.2	100.0
0°-180°	2916.2	100.0

Coefficient of Utilization



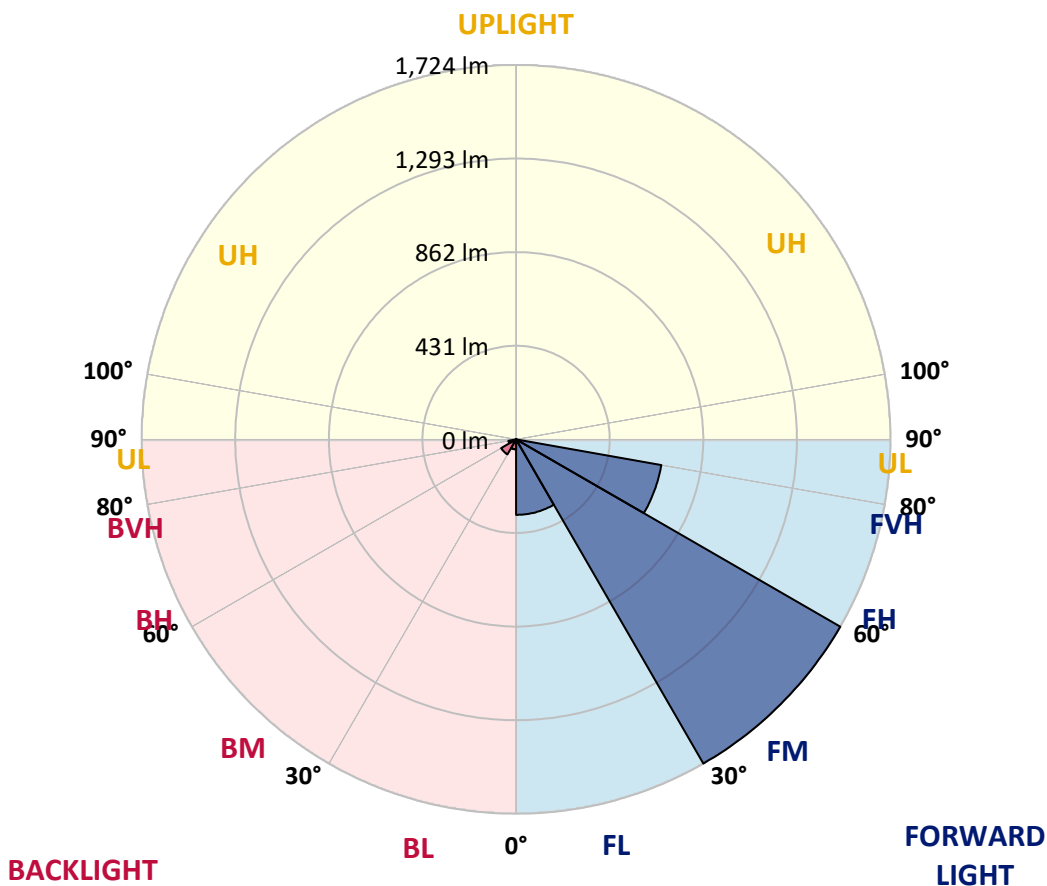
REPORT NUMBER: P629476

CATALOG NUMBER: GWS-SA1B-760-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.7	11.9			
FM (30°-60°)	1724.1	59.1			
FH (60°-80°)	679.4	23.3			G1/1800
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	46.0	1.6	B0/110		
BM (30°-60°)	79.6	2.7	B0/220		
BH (60°-80°)	35.5	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	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-G1
 Type II Short





REPORT NUMBER: P629476
 CATALOG NUMBER: GWS-SA1B-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2
2.5°	397.9	403.9	399.2	391.4	376.4	361.9	343.2	317.6	297.1	294.5	275.3
5°	537.4	536.9	526.7	516.6	500.8	475.9	438.4	390.7	344.8	340.9	297.9
7.5°	620.3	621.1	615.4	607.6	592.1	566.4	527.3	469.7	402.6	394.8	328.7
10°	690.1	689.8	685.7	682.0	668.0	650.9	608.9	545.7	464.8	452.6	363.2
12.5°	742.4	744.2	746.3	749.9	744.0	727.1	687.5	618.5	527.8	514.3	402.6
15°	783.9	784.4	792.2	806.2	811.1	802.3	766.3	689.0	590.0	578.3	447.9
17.5°	796.3	797.4	810.6	836.3	862.2	867.1	839.9	760.1	651.2	638.7	492.0
20°	822.5	824.9	834.7	857.3	889.9	916.4	905.7	831.9	712.4	696.0	537.1
22.5°	905.0	906.3	902.9	905.7	922.6	953.2	959.7	901.3	775.1	757.7	585.9
25°	1046.8	1047.3	1023.7	1001.4	988.7	994.4	1008.7	965.4	837.3	820.2	631.2
27.5°	1194.0	1195.8	1167.6	1129.7	1084.3	1058.4	1054.3	1023.9	900.0	881.1	676.1
30°	1332.7	1332.7	1302.9	1256.7	1196.1	1145.5	1115.7	1083.1	967.2	946.4	721.9
32.5°	1457.4	1456.3	1418.2	1368.2	1308.3	1252.8	1190.1	1144.7	1041.8	1018.8	774.8
35°	1560.3	1557.7	1514.4	1466.4	1402.4	1361.2	1291.2	1211.1	1122.7	1099.6	829.3
37.5°	1638.1	1635.2	1595.5	1544.7	1485.4	1458.7	1400.1	1290.7	1208.0	1187.0	889.7
40°	1680.3	1674.6	1647.1	1609.3	1559.5	1536.2	1511.8	1389.5	1308.3	1282.1	961.0
42.5°	1692.8	1686.0	1667.9	1650.2	1620.2	1601.8	1627.9	1500.9	1418.5	1395.9	1042.4
45°	1655.9	1652.1	1650.5	1663.2	1668.6	1673.8	1738.4	1624.3	1540.1	1523.0	1144.7
47.5°	1567.3	1566.2	1580.0	1632.9	1690.4	1745.1	1858.4	1776.5	1697.7	1679.3	1287.8
50°	1403.5	1414.1	1452.4	1545.3	1660.3	1785.6	1970.6	1987.5	1952.8	1925.8	1474.5
52.5°	1147.3	1167.8	1253.9	1394.9	1560.3	1774.1	2022.5	2156.5	2192.0	2164.0	1608.2
55°	900.3	919.5	996.2	1175.1	1395.7	1687.3	2024.8	2214.8	2292.3	2266.4	1698.7
57.5°	670.6	688.2	758.0	929.1	1171.7	1516.5	1969.3	2247.2	2411.3	2394.7	1841.5
60°	438.4	455.7	518.7	668.3	908.8	1267.6	1832.7	2240.5	2573.3	2571.8	2017.0
62.5°	243.2	256.9	302.5	419.2	634.3	981.7	1618.1	2172.8	2730.2	2740.0	2161.7
65°	124.4	133.2	161.0	230.5	383.9	696.0	1335.8	2017.8	2802.8	2827.6	2199.8
67.5°	81.4	84.2	91.0	119.8	205.6	437.8	1005.3	1769.2	2700.6	2729.7	2072.0
70°	66.1	68.4	72.3	79.8	106.0	232.5	660.3	1413.0	2256.6	2276.3	1650.0
72.5°	48.5	51.6	59.1	64.0	76.5	127.5	343.5	927.5	1549.7	1584.4	1036.9
75°	35.8	37.6	43.8	50.5	62.5	80.6	131.4	487.6	800.2	780.0	435.5
77.5°	21.5	22.8	28.0	32.4	44.6	50.3	45.9	180.2	243.4	228.9	105.2
80°	10.6	11.9	18.4	24.4	28.5	20.2	19.2	50.3	54.2	54.2	26.4
82.5°	3.6	4.7	9.9	16.1	14.0	7.8	9.1	13.0	14.5	15.3	7.8
85°	0.0	0.0	2.3	4.7	2.1	1.0	2.3	2.9	3.6	3.9	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.0	1.0
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: P629476
 CATALOG NUMBER: GWS-SA1B-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2
2.5°	264.9	252.7	234.3	217.8	205.0	193.1	184.1	176.8	175.5	171.3	171.9
5°	276.9	254.8	220.9	194.7	176.3	163.8	153.5	145.7	142.3	138.9	136.4
7.5°	295.3	263.4	215.7	183.8	162.3	143.1	127.0	114.1	107.8	104.0	101.4
10°	317.8	275.3	215.9	177.3	145.4	116.1	94.1	79.8	73.1	71.0	70.8
12.5°	344.8	290.3	218.0	166.7	121.1	86.3	69.7	63.3	61.2	59.4	59.4
15°	373.3	307.2	218.0	147.2	92.3	67.4	60.4	56.3	53.7	52.6	52.1
17.5°	403.4	323.0	212.8	120.5	70.8	59.4	53.7	49.8	47.7	46.1	45.6
20°	435.5	338.0	199.9	92.3	60.7	53.1	47.7	43.8	41.7	40.2	40.2
22.5°	468.2	352.0	178.9	71.0	53.7	47.2	42.0	38.4	36.3	34.7	34.7
25°	498.5	361.4	151.9	58.6	48.5	42.0	37.3	33.7	31.4	30.3	29.8
27.5°	526.7	367.3	122.1	51.6	43.6	37.6	32.7	29.3	27.5	26.7	26.2
30°	556.0	368.9	93.3	46.9	39.4	33.2	28.5	25.9	24.4	23.3	23.3
32.5°	584.6	367.1	71.3	43.0	35.8	29.3	25.4	23.1	21.8	21.0	20.7
35°	613.6	358.8	57.8	39.7	32.1	25.7	22.6	20.7	20.0	18.9	18.9
37.5°	645.2	347.6	50.3	36.3	28.5	23.1	20.2	18.9	17.9	17.1	16.8
40°	684.6	334.7	46.1	33.4	25.1	20.7	18.1	16.8	16.1	15.3	15.0
42.5°	731.3	322.0	44.1	30.3	22.6	18.4	16.3	14.8	14.0	13.0	12.7
45°	797.4	319.1	41.7	27.0	20.2	16.6	14.3	12.7	11.7	10.9	10.6
47.5°	903.7	327.1	37.8	23.3	17.9	14.5	12.2	10.9	9.6	8.8	8.3
50°	1009.2	325.1	34.0	20.2	15.8	12.4	10.4	9.1	7.8	7.0	6.7
52.5°	1066.7	315.2	30.3	17.9	13.7	10.6	8.8	7.3	6.5	5.7	5.4
55°	1118.8	311.3	26.7	15.6	11.7	9.3	7.3	6.0	5.4	4.7	4.4
57.5°	1221.0	320.4	23.6	13.5	10.1	8.0	6.2	4.9	4.4	3.6	3.4
60°	1327.8	321.4	20.2	11.7	8.8	6.7	4.9	3.9	3.4	2.6	2.3
62.5°	1383.5	295.3	16.6	9.9	7.3	5.7	4.1	3.1	2.6	1.6	1.6
65°	1336.8	238.7	14.0	8.0	5.7	4.4	3.1	2.3	1.6	0.8	0.3
67.5°	1183.1	169.8	11.7	6.5	4.1	3.1	2.3	1.6	0.3	0.0	0.0
70°	866.3	97.0	9.1	4.7	3.1	2.1	1.6	0.8	0.0	0.0	0.0
72.5°	532.5	51.8	6.7	3.1	2.3	1.6	1.3	0.5	0.0	0.0	0.0
75°	201.9	24.9	4.1	2.1	1.8	1.3	0.8	0.3	0.0	0.0	0.0
77.5°	54.7	12.2	2.3	1.6	1.3	0.8	0.5	0.0	0.0	0.0	0.0
80°	14.3	5.7	1.6	1.0	0.8	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	4.9	2.6	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.1	1.0	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.3	0.3	0.3	0.3	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)