

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: P630468

Luminaire Tested: GWS-SA1D-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4491.3 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

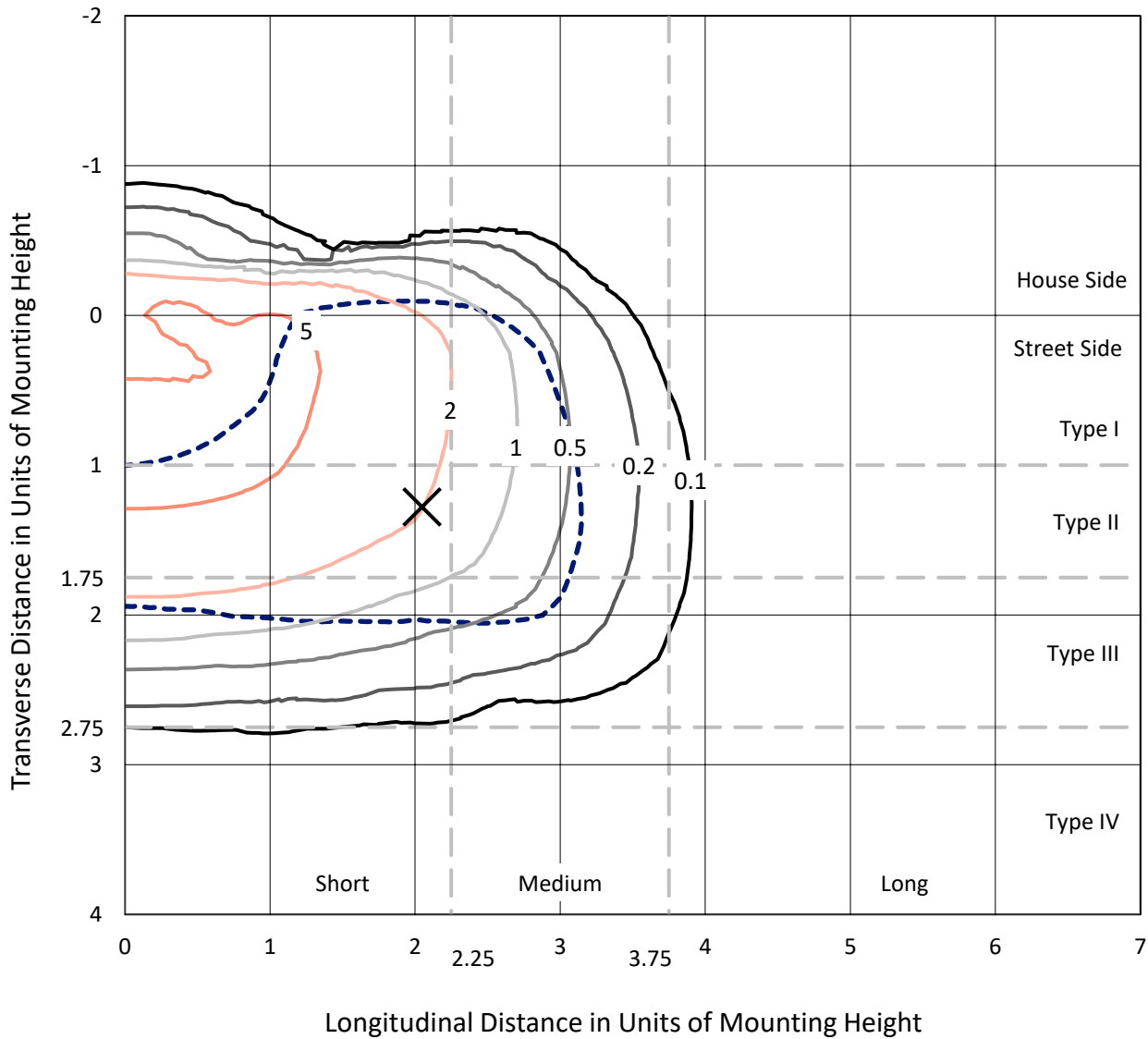
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630468
 CATALOG NUMBER: GWS-SA1D-760-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

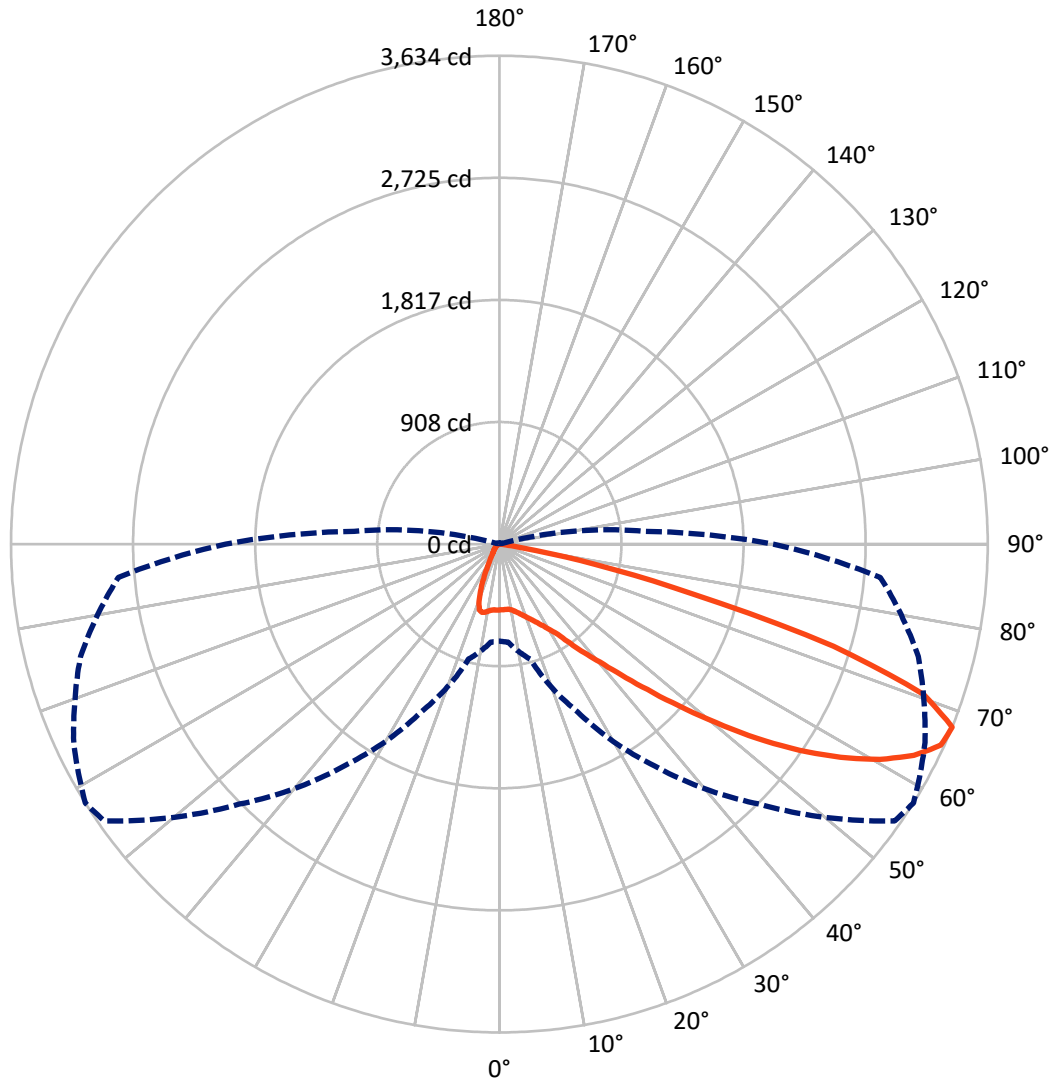
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

REPORT NUMBER: P630468
CATALOG NUMBER: GWS-SA1D-760-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630468

CATALOG NUMBER: GWS-SA1D-760-U-T3-W-HSS

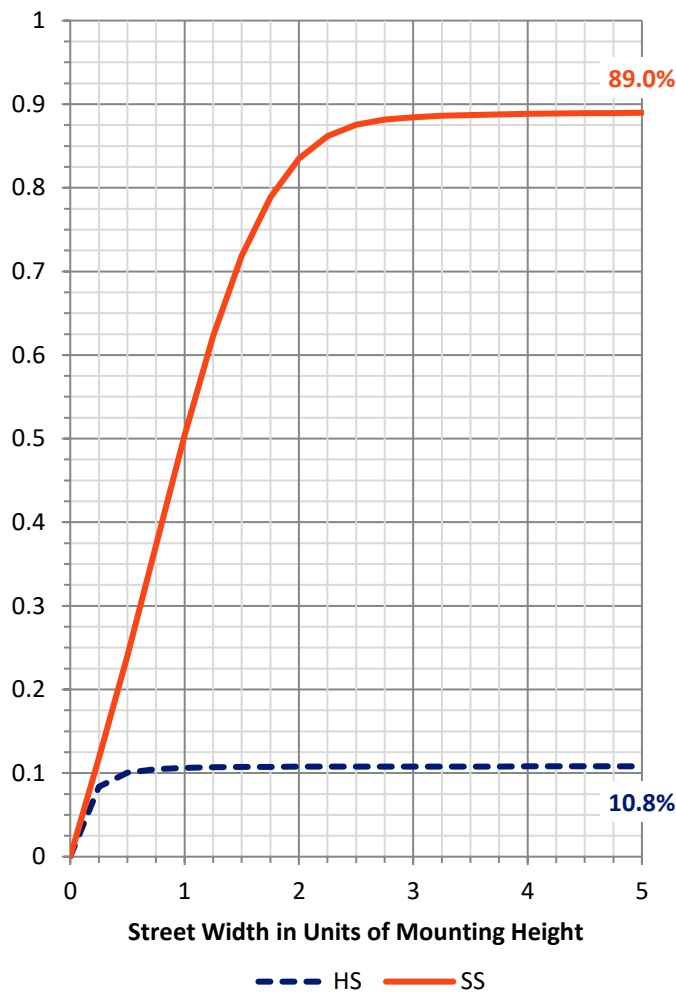
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.0	0.0	490.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4001.3	0.0	4001.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	4491.3	0.0	4491.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.0
10°-20°	129.1	2.9
20°-30°	225.3	5.0
30°-40°	402.4	9.0
40°-50°	735.5	16.4
50°-60°	1223.2	27.2
60°-70°	1328.6	29.6
70°-80°	390.1	8.7
80°-90°	11.1	0.2
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°	4491.3	100.0
0°-180°	4491.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630468

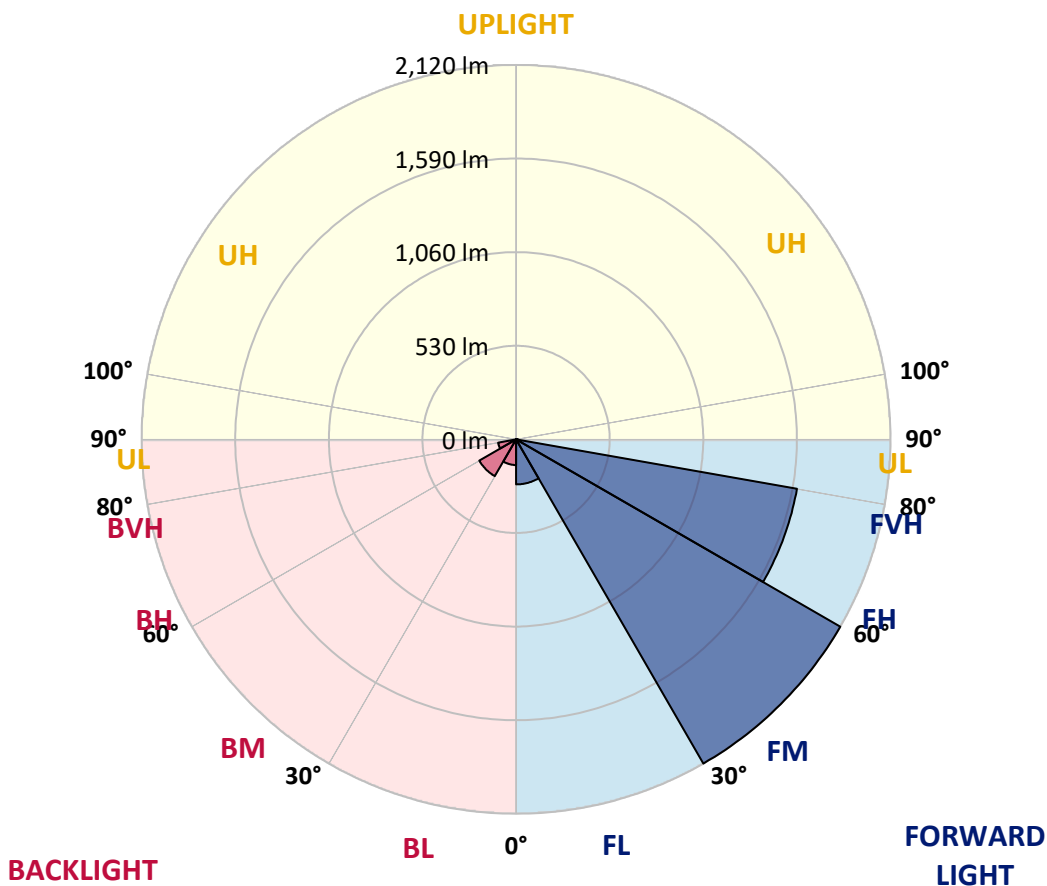
CATALOG NUMBER: GWS-SA1D-760-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.0	5.7			
FM (30°-60°)	2120.4	47.2			
FH (60°-80°)	1615.3	36.0			G1/1800
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	145.3	3.2	B1/500		
BM (30°-60°)	240.7	5.4	B1/1000		
BH (60°-80°)	103.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			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 III Short





REPORT NUMBER: P630468

CATALOG NUMBER: GWS-SA1D-760-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	480.2	479.3	479.3	482.8	483.3	485.0	489.0	489.4	491.6	490.7	487.7
5°	455.2	455.6	458.3	464.4	469.7	476.3	485.9	488.1	492.9	495.6	493.8
7.5°	432.0	432.4	436.4	446.0	456.1	469.2	485.0	489.4	499.1	506.1	506.5
10°	423.2	422.8	426.7	437.7	450.8	469.2	492.0	497.7	512.2	524.5	526.7
12.5°	425.8	425.4	429.3	439.4	453.9	477.1	504.3	512.2	530.6	549.5	553.4
15°	436.4	435.9	438.5	446.9	462.7	486.8	520.1	532.0	555.2	578.0	584.1
17.5°	467.9	465.7	463.1	464.0	473.2	498.2	540.3	554.8	583.7	610.9	616.2
20°	524.1	518.4	511.3	502.1	497.7	514.9	563.5	580.2	615.3	646.4	647.3
22.5°	608.7	606.5	590.3	563.5	544.7	545.1	590.7	610.0	653.0	687.2	682.4
25°	726.7	725.4	700.4	656.5	607.4	590.7	625.4	645.1	697.7	734.1	718.8
27.5°	873.1	863.9	834.6	775.3	702.1	649.9	669.2	686.8	745.1	779.3	750.4
30°	1000.8	1001.2	973.6	911.7	829.3	739.0	722.7	738.1	788.5	824.5	789.4
32.5°	1123.6	1127.5	1097.2	1041.5	951.2	855.2	799.5	802.1	844.2	883.2	840.7
35°	1237.6	1240.6	1219.6	1172.2	1088.0	976.6	906.5	905.2	928.0	967.9	912.2
37.5°	1365.2	1368.3	1347.7	1305.1	1226.2	1115.7	1028.0	1026.2	1035.4	1067.9	1004.3
40°	1501.1	1506.8	1484.0	1448.1	1372.6	1279.2	1169.2	1153.4	1144.2	1182.3	1123.6
42.5°	1638.8	1647.6	1639.7	1603.8	1539.3	1462.1	1352.5	1327.9	1308.2	1356.0	1293.7
45°	1809.9	1820.4	1816.9	1789.3	1739.3	1676.6	1573.1	1544.6	1535.4	1579.6	1505.5
47.5°	1974.3	1985.7	1998.5	1992.3	1956.8	1927.8	1812.9	1796.7	1794.1	1841.5	1726.6
50°	2096.7	2107.2	2155.9	2191.0	2215.1	2209.0	2109.4	2085.3	2081.3	2111.6	1959.9
52.5°	2184.4	2194.5	2261.6	2371.2	2459.8	2508.0	2407.6	2402.4	2380.9	2370.3	2178.3
55°	2252.4	2266.4	2337.0	2502.8	2681.3	2788.3	2725.6	2706.7	2651.5	2590.9	2380.9
57.5°	2266.0	2271.7	2371.2	2594.9	2853.2	3026.4	3026.4	2993.5	2886.9	2803.2	2615.1
60°	2144.1	2161.6	2296.2	2587.4	2926.9	3182.1	3275.9	3253.1	3109.3	3006.2	2840.5
62.5°	1873.5	1893.2	2057.2	2408.9	2853.2	3214.1	3465.0	3461.4	3299.2	3174.2	3027.3
65°	1436.7	1451.1	1594.1	2015.1	2541.8	3090.9	3600.0	3609.7	3449.2	3285.1	3091.8
67.5°	721.8	731.9	886.3	1376.6	2014.7	2736.1	3590.8	3633.8	3494.8	3226.4	2845.7
70°	252.2	262.3	335.0	590.7	1226.2	2089.2	3280.3	3350.5	3226.8	2754.1	2099.3
72.5°	86.4	91.2	139.0	219.3	477.1	1238.5	2494.5	2600.1	2378.7	1848.9	1206.4
75°	49.1	52.2	74.6	118.8	200.0	407.4	1415.2	1480.1	1386.7	1007.8	496.4
77.5°	33.3	36.0	46.5	67.5	110.5	131.1	577.1	726.7	633.7	328.9	126.7
80°	19.7	21.5	28.5	39.9	56.6	50.9	123.7	164.5	211.8	98.2	38.2
82.5°	9.2	10.5	18.4	26.3	28.5	21.5	36.4	44.3	59.6	48.2	15.8
85°	0.0	0.0	6.1	11.0	10.5	6.1	10.1	11.0	16.2	24.1	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	2.6	4.8	2.6
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: P630468
 CATALOG NUMBER: GWS-SA1D-760-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	491.2	488.1	491.6	489.9	491.6	491.2	487.7	485.5	485.5	481.5	480.2
5°	497.3	494.2	495.1	491.2	490.3	488.1	483.7	482.0	482.0	478.0	476.7
7.5°	510.9	506.1	505.2	497.3	493.8	487.7	479.8	476.7	476.3	472.3	471.0
10°	532.4	526.7	522.7	512.7	502.6	490.3	473.6	459.6	451.7	441.2	440.3
12.5°	558.7	551.7	545.6	530.2	513.5	485.9	436.8	385.5	353.9	328.9	330.7
15°	588.1	581.5	571.9	548.6	514.4	442.5	339.9	260.9	222.3	201.7	200.9
17.5°	620.1	610.5	594.7	563.1	486.8	338.1	221.0	156.1	135.9	128.9	127.2
20°	649.9	638.1	618.4	566.2	407.0	228.9	138.1	121.0	117.5	115.3	115.3
22.5°	681.5	666.6	637.2	542.5	302.6	146.5	117.5	113.6	111.0	107.9	107.4
25°	713.5	694.2	654.3	480.6	198.2	115.3	110.1	105.7	100.9	96.0	94.7
27.5°	740.7	715.7	667.5	388.6	127.2	103.9	100.4	93.0	86.4	81.1	80.3
30°	773.2	741.1	673.2	284.2	100.0	91.7	86.4	78.5	70.6	65.3	63.6
32.5°	816.6	781.5	664.4	185.1	88.6	80.7	72.4	63.2	55.3	49.6	48.7
35°	884.1	842.4	624.1	118.0	80.3	69.7	59.6	50.0	43.4	39.0	38.2
37.5°	966.6	928.0	557.8	88.6	71.9	60.5	48.7	39.5	34.6	31.6	30.7
40°	1088.9	1035.0	475.8	77.6	63.6	51.3	39.9	32.5	28.9	26.3	25.4
42.5°	1247.7	1161.3	381.5	70.6	55.7	43.0	32.5	26.8	23.7	21.9	21.5
45°	1433.2	1284.5	282.0	63.6	48.2	35.5	26.8	21.9	19.7	18.4	18.0
47.5°	1623.1	1392.4	194.7	56.1	41.2	29.4	22.4	18.9	17.1	15.3	14.9
50°	1825.7	1483.6	132.9	48.7	35.1	24.1	19.3	17.1	14.9	13.6	13.2
52.5°	1974.3	1517.4	92.5	42.1	29.8	20.6	17.1	15.3	13.6	11.8	11.4
55°	2111.6	1516.5	70.2	35.5	25.4	18.0	15.3	13.6	11.8	10.5	10.1
57.5°	2248.4	1504.7	55.3	30.3	21.9	16.2	13.6	11.8	11.0	9.2	8.8
60°	2337.0	1459.9	43.0	25.4	18.9	14.0	11.8	10.5	9.2	7.9	7.5
62.5°	2383.9	1397.6	32.9	20.2	15.3	12.3	10.5	9.2	7.9	6.6	6.1
65°	2320.3	1287.1	25.9	15.8	11.8	10.5	8.8	7.5	6.1	4.8	4.4
67.5°	2038.4	1085.4	20.2	12.7	9.2	7.9	7.5	6.1	4.4	3.5	3.1
70°	1440.6	743.3	15.8	9.6	7.0	6.1	5.7	4.8	3.5	2.6	2.2
72.5°	790.7	375.0	11.4	7.0	5.3	4.8	4.4	3.9	3.1	2.2	2.2
75°	304.4	103.1	8.3	4.8	3.5	3.5	3.1	3.1	2.6	1.8	1.8
77.5°	79.4	30.7	5.3	3.1	2.2	2.2	2.2	1.8	1.8	1.3	1.3
80°	25.4	10.1	3.1	2.2	1.8	1.3	1.3	0.9	1.3	0.9	0.9
82.5°	8.3	3.5	1.8	1.8	1.3	0.9	0.9	0.4	0.4	0.0	0.0
85°	3.1	1.8	1.3	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0
87.5°	1.8	0.9	0.9	0.9	0.9	0.4	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)