

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: P632110

Luminaire Tested: GWS-SA2C-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5106.6 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

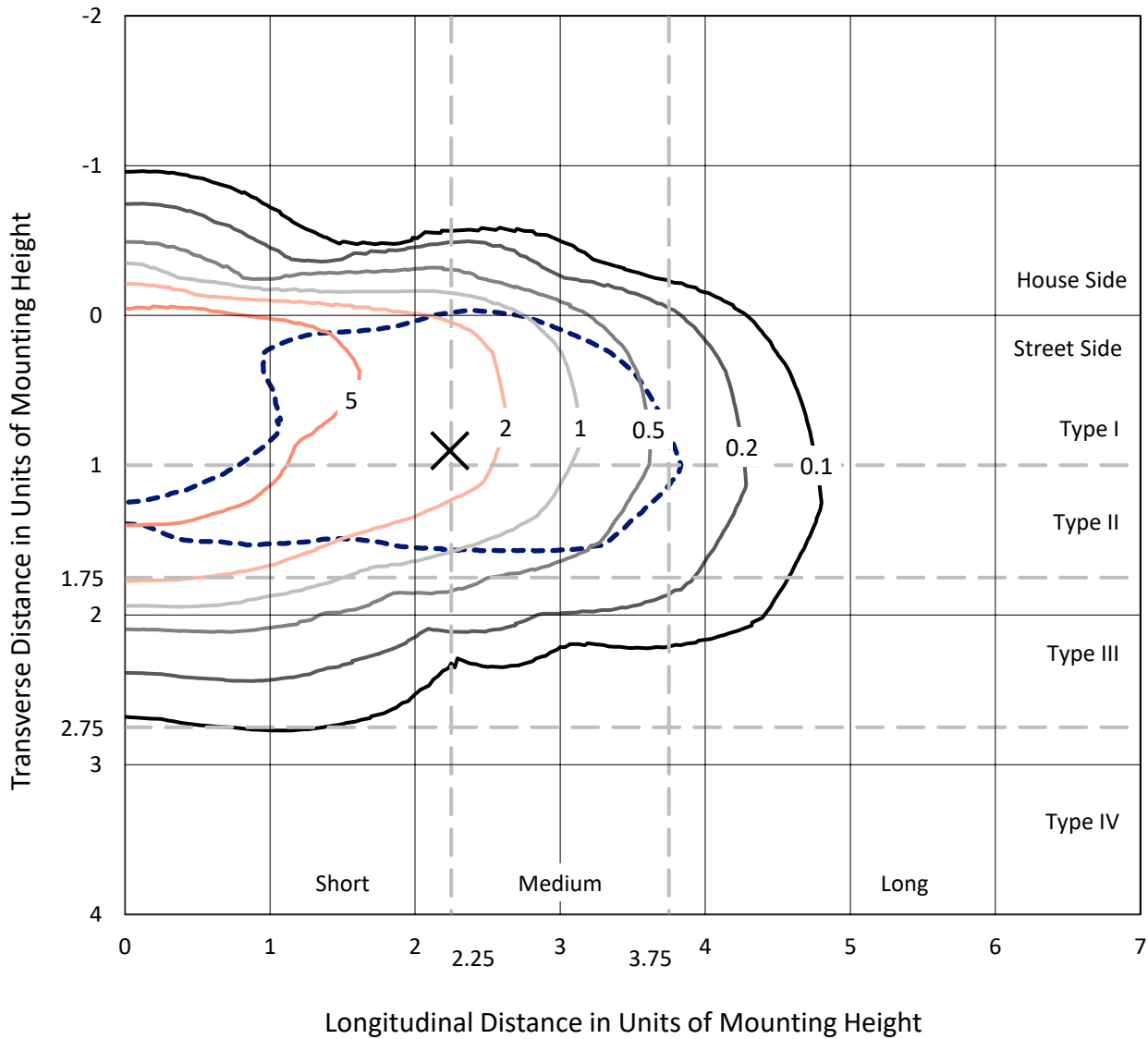
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632110
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Iso-Footcandle Lines of Horizontal Illumination

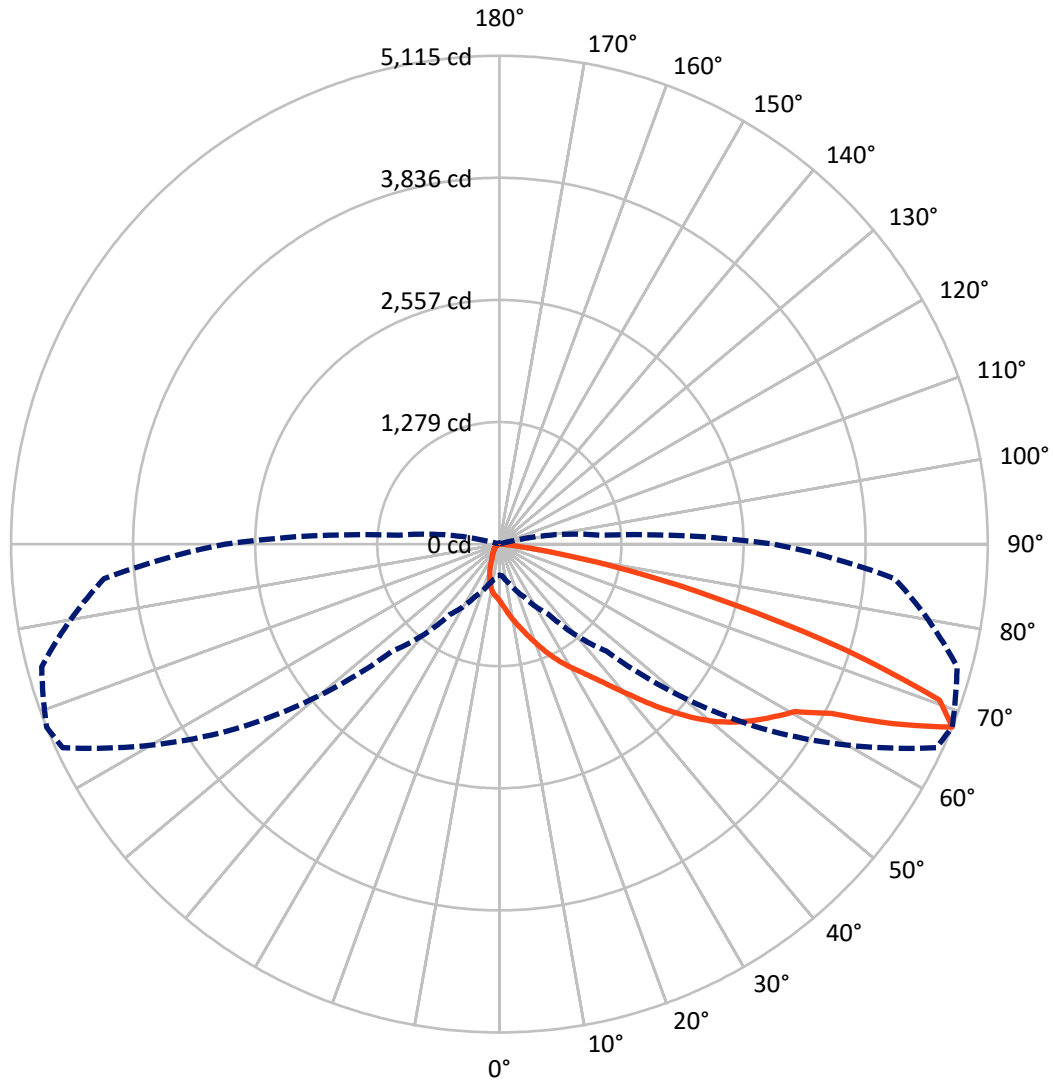
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

REPORT NUMBER: P632110
CATALOG NUMBER: GWS-SA2C-722-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632110

CATALOG NUMBER: GWS-SA2C-722-U-T2-W-HSS

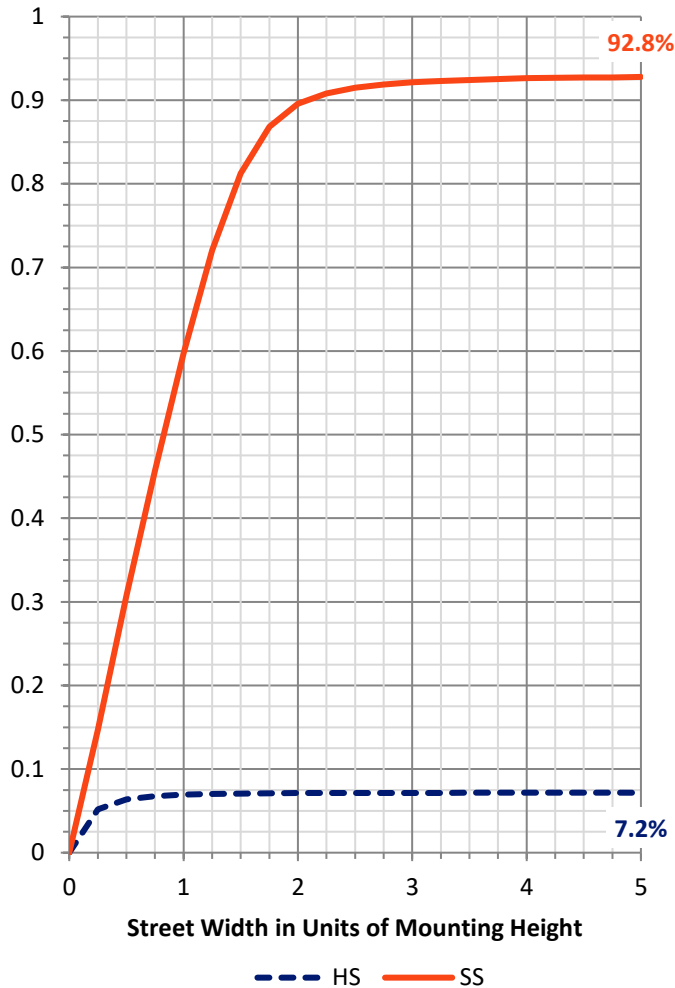
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	368.8	0.0	368.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4737.8	0.0	4737.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	5106.6	0.0	5106.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.1
10°-20°	166.4	3.3
20°-30°	286.0	5.6
30°-40°	497.3	9.7
40°-50°	867.7	17.0
50°-60°	1308.8	25.6
60°-70°	1312.4	25.7
70°-80°	579.0	11.3
80°-90°	30.9	0.6
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°	5106.6	100.0
0°-180°	5106.6	100.0

Coefficient of Utilization

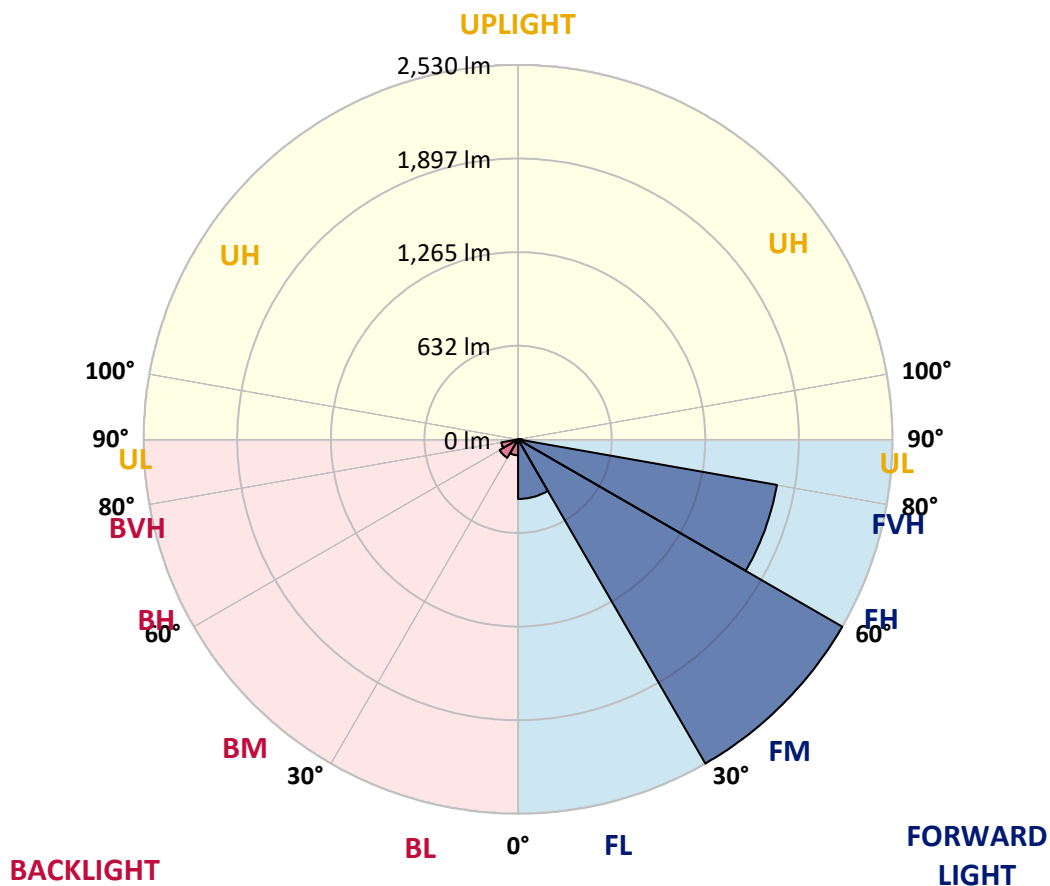


REPORT NUMBER: P632110
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.6	7.9			
FM (30°-60°)	2529.8	49.5			
FH (60°-80°)	1776.3	34.8			G1/1800
FVH (80°-90°)	29.2	0.6			G1/100
BL (0°-30°)	107.9	2.1	B0/110		
BM (30°-60°)	144.0	2.8	B0/220		
BH (60°-80°)	115.1	2.3	B1/500		G1/500
BVH (80°-90°)	1.7	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 II Short





REPORT NUMBER: P632110

CATALOG NUMBER: GWS-SA2C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3
2.5°	692.0	696.4	692.0	693.0	680.3	674.4	661.7	644.1	639.7	628.5	611.4
5°	776.6	780.5	776.1	775.1	760.4	749.7	728.7	698.4	689.6	667.6	633.9
7.5°	822.5	825.0	826.4	828.9	823.5	814.7	795.6	758.0	748.7	713.0	665.6
10°	827.4	829.4	836.7	851.3	862.1	867.5	856.7	822.0	807.4	772.7	704.7
12.5°	813.7	816.6	828.4	852.8	882.6	910.0	916.8	886.5	873.3	828.9	750.7
15°	795.6	798.1	814.2	847.4	892.4	942.7	971.1	957.9	943.2	896.8	801.5
17.5°	767.8	771.2	793.7	838.6	896.8	968.6	1029.7	1034.1	1023.9	973.5	857.7
20°	752.1	754.6	774.6	821.0	893.9	987.7	1084.5	1126.0	1114.8	1062.0	922.2
22.5°	765.3	767.3	780.5	816.6	884.1	998.4	1135.3	1217.9	1211.5	1156.8	990.1
25°	834.7	841.1	833.3	839.6	888.5	1004.3	1176.3	1309.8	1311.2	1256.0	1060.5
27.5°	975.5	967.2	948.6	916.8	922.7	1019.9	1211.5	1396.3	1409.0	1352.8	1123.1
30°	1118.7	1113.8	1102.5	1053.2	1012.1	1054.6	1241.3	1484.7	1504.8	1448.1	1178.8
32.5°	1279.5	1284.3	1264.3	1205.2	1135.3	1125.0	1272.1	1568.8	1606.4	1556.1	1244.3
35°	1471.5	1473.0	1433.4	1367.9	1288.7	1241.3	1327.4	1661.6	1731.0	1693.9	1331.8
37.5°	1658.7	1667.5	1646.0	1542.9	1472.5	1386.0	1418.7	1780.9	1878.6	1864.0	1441.7
40°	1824.4	1838.1	1831.2	1731.5	1639.2	1566.3	1560.5	1920.7	2057.0	2073.6	1586.9
42.5°	1956.3	1965.1	1970.5	1899.6	1818.0	1777.0	1735.4	2082.9	2267.6	2335.6	1764.8
45°	2095.6	2098.5	2109.8	2061.9	1990.5	1994.0	1942.2	2279.9	2489.5	2625.9	1969.0
47.5°	2273.0	2282.8	2277.4	2227.1	2162.6	2201.2	2155.7	2482.7	2708.5	2935.7	2178.2
50°	2489.0	2499.3	2494.4	2435.8	2363.9	2380.0	2351.7	2679.6	2919.6	3228.0	2352.2
52.5°	2600.5	2608.8	2669.4	2695.8	2658.1	2555.5	2518.8	2896.1	3098.0	3468.4	2512.0
55°	2546.7	2552.6	2684.5	2795.9	2933.8	2831.1	2687.0	3063.3	3255.3	3656.1	2630.8
57.5°	2323.8	2355.6	2535.0	2723.6	3013.4	3103.3	2959.7	3245.1	3406.8	3786.6	2747.6
60°	1866.9	1865.4	2122.5	2461.2	2858.0	3178.1	3344.8	3490.9	3558.8	3886.8	2903.9
62.5°	1031.7	1041.0	1383.1	1829.3	2426.0	2984.6	3633.6	3915.6	3905.3	4061.7	3148.8
65°	513.6	532.2	717.9	1047.8	1614.2	2466.5	3683.5	4563.6	4534.3	4473.7	3654.6
67.5°	326.0	333.3	435.9	608.9	897.3	1585.4	3373.1	5047.0	5114.9	4962.4	4156.5
70°	211.1	223.3	303.0	416.4	541.5	817.1	2470.9	4733.7	4889.6	4908.7	3843.7
72.5°	114.8	123.6	193.5	297.1	391.0	408.6	1388.0	3552.5	3803.2	4163.9	3007.1
75°	65.5	71.8	106.1	201.8	286.9	248.8	615.3	2378.1	2537.9	2975.8	2154.7
77.5°	39.6	45.0	59.6	98.2	179.8	166.2	232.6	1447.6	1549.2	1775.5	1130.9
80°	18.1	21.5	37.6	54.2	98.2	78.7	88.9	674.9	696.9	728.7	374.4
82.5°	8.3	9.8	17.1	32.3	55.7	45.5	34.2	155.9	219.4	207.7	95.3
85°	1.0	1.0	6.4	13.2	15.6	11.7	14.2	35.2	44.5	62.6	27.4
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	2.9	4.4	6.4	10.3	6.8
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: P632110
 CATALOG NUMBER: GWS-SA2C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3	594.3
2.5°	603.6	589.9	577.7	559.6	547.4	533.7	524.4	513.2	508.8	505.3	500.4
5°	617.2	595.3	565.4	532.2	504.8	478.9	455.0	439.4	425.7	423.7	416.9
7.5°	639.7	607.0	556.6	502.4	456.0	413.0	379.2	351.9	338.2	333.8	326.0
10°	669.5	624.6	543.5	460.4	393.4	342.1	304.0	273.2	251.7	243.9	238.0
12.5°	702.8	640.7	522.4	408.6	332.3	273.7	225.3	192.6	178.9	174.0	169.6
15°	740.9	655.9	489.2	356.8	272.7	201.4	167.1	153.0	147.1	145.6	144.2
17.5°	777.5	665.6	449.6	303.0	209.7	156.4	140.3	134.9	133.4	132.0	131.0
20°	819.1	672.5	403.2	252.2	162.7	132.4	124.6	120.7	117.8	114.8	114.4
22.5°	861.6	672.5	352.9	202.3	136.4	118.8	110.0	102.6	97.3	94.3	93.3
25°	902.2	663.2	303.0	161.8	120.2	105.6	94.3	86.0	78.7	75.3	74.3
27.5°	931.0	639.2	259.5	136.8	109.0	93.8	80.1	70.9	65.0	61.6	61.1
30°	949.1	603.6	219.4	122.2	99.2	81.6	67.9	60.1	55.7	53.3	52.3
32.5°	962.8	559.6	183.8	111.9	89.9	70.9	59.1	52.8	48.9	46.9	46.4
35°	990.1	518.0	157.4	102.6	80.1	62.1	51.8	46.9	44.0	41.5	41.1
37.5°	1028.3	483.3	136.4	94.3	70.9	55.2	46.9	42.5	40.1	37.6	37.1
40°	1084.5	461.3	120.7	86.0	62.6	49.8	43.0	39.1	35.7	33.2	32.7
42.5°	1171.0	451.1	110.4	77.7	55.2	45.0	39.6	34.7	31.3	28.8	28.3
45°	1274.1	456.5	101.7	69.4	50.3	41.5	35.2	30.3	26.9	24.4	23.9
47.5°	1384.5	475.5	94.3	61.6	45.5	38.1	31.3	25.9	23.0	20.5	20.0
50°	1499.9	506.8	88.0	54.2	41.5	34.2	26.9	22.5	19.5	17.6	17.1
52.5°	1600.1	549.3	81.6	48.9	38.1	30.3	23.5	19.5	16.6	14.7	14.2
55°	1695.8	589.4	76.7	44.0	34.2	26.4	20.5	16.6	14.2	12.2	11.7
57.5°	1799.9	631.9	70.9	39.6	30.8	23.5	18.1	14.2	12.2	10.3	9.8
60°	1951.4	695.0	62.1	36.2	26.9	20.5	15.6	12.7	10.8	8.3	7.8
62.5°	2169.9	809.8	52.3	31.3	23.0	17.6	13.2	10.8	8.8	6.8	5.9
65°	2578.5	1005.3	43.0	25.9	18.6	14.7	11.2	8.8	6.8	4.9	4.4
67.5°	2872.7	1056.1	34.7	21.0	15.2	11.2	9.3	6.8	4.9	3.4	2.9
70°	2511.5	758.5	26.9	17.1	12.7	8.8	7.3	5.4	3.4	2.4	2.0
72.5°	1892.3	495.6	20.0	13.2	9.8	7.3	5.4	4.4	2.9	2.0	1.5
75°	1333.7	286.4	14.7	9.8	6.8	5.4	4.4	3.4	2.4	1.5	1.5
77.5°	683.7	118.3	10.3	6.8	4.9	3.4	2.9	2.0	2.0	1.5	1.0
80°	207.7	39.1	5.9	4.4	3.4	2.4	1.5	1.5	1.5	1.0	0.5
82.5°	47.4	12.7	3.4	3.4	2.4	2.0	1.5	0.5	0.5	0.0	0.0
85°	12.2	3.9	2.9	2.4	2.4	2.0	1.0	0.5	0.0	0.0	0.0
87.5°	4.4	2.4	2.4	2.4	2.0	1.5	1.0	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)