

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: P632448

Luminaire Tested: GWS-SA2C-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632448
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-SA2C-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6855.2 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

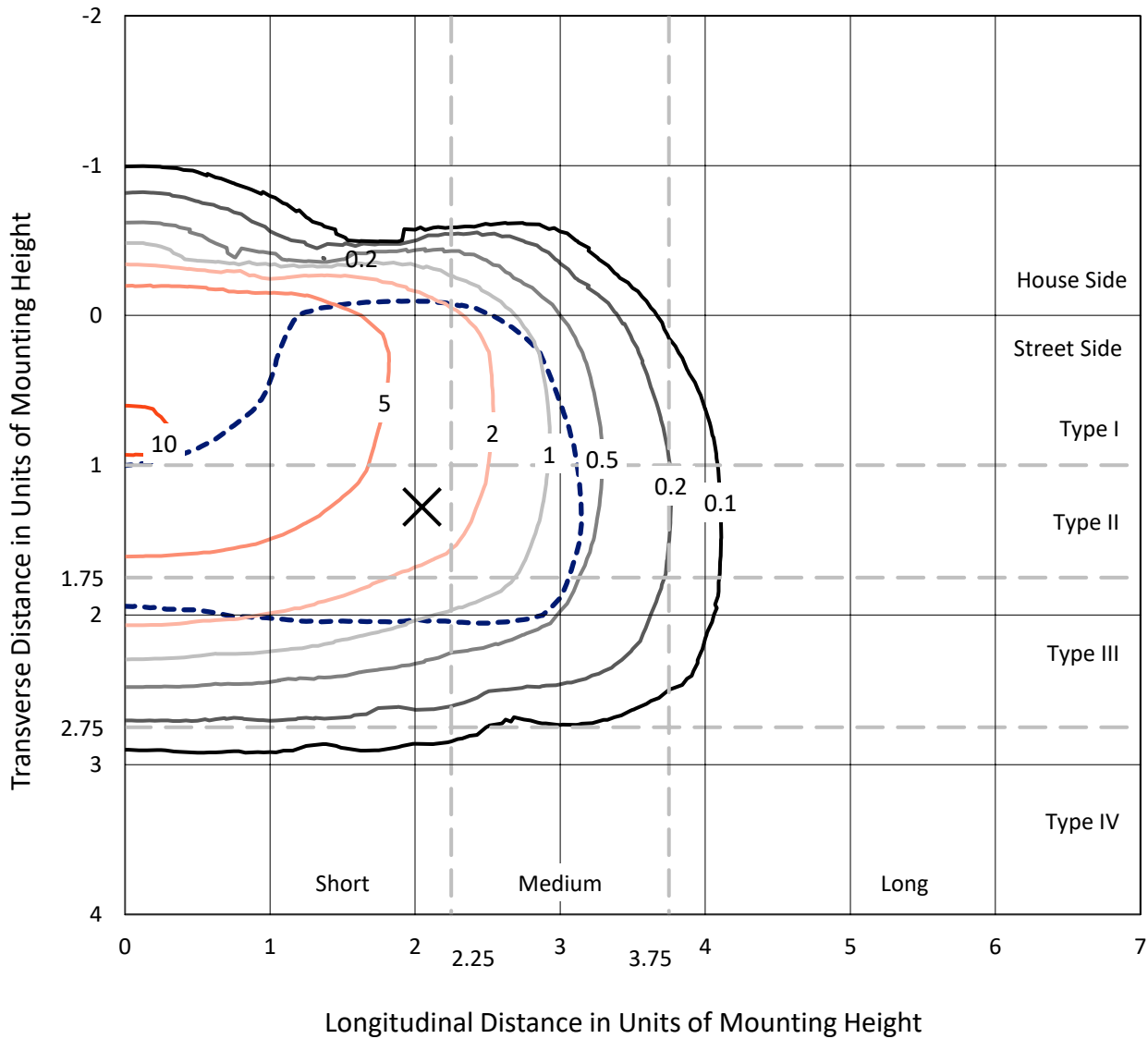
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

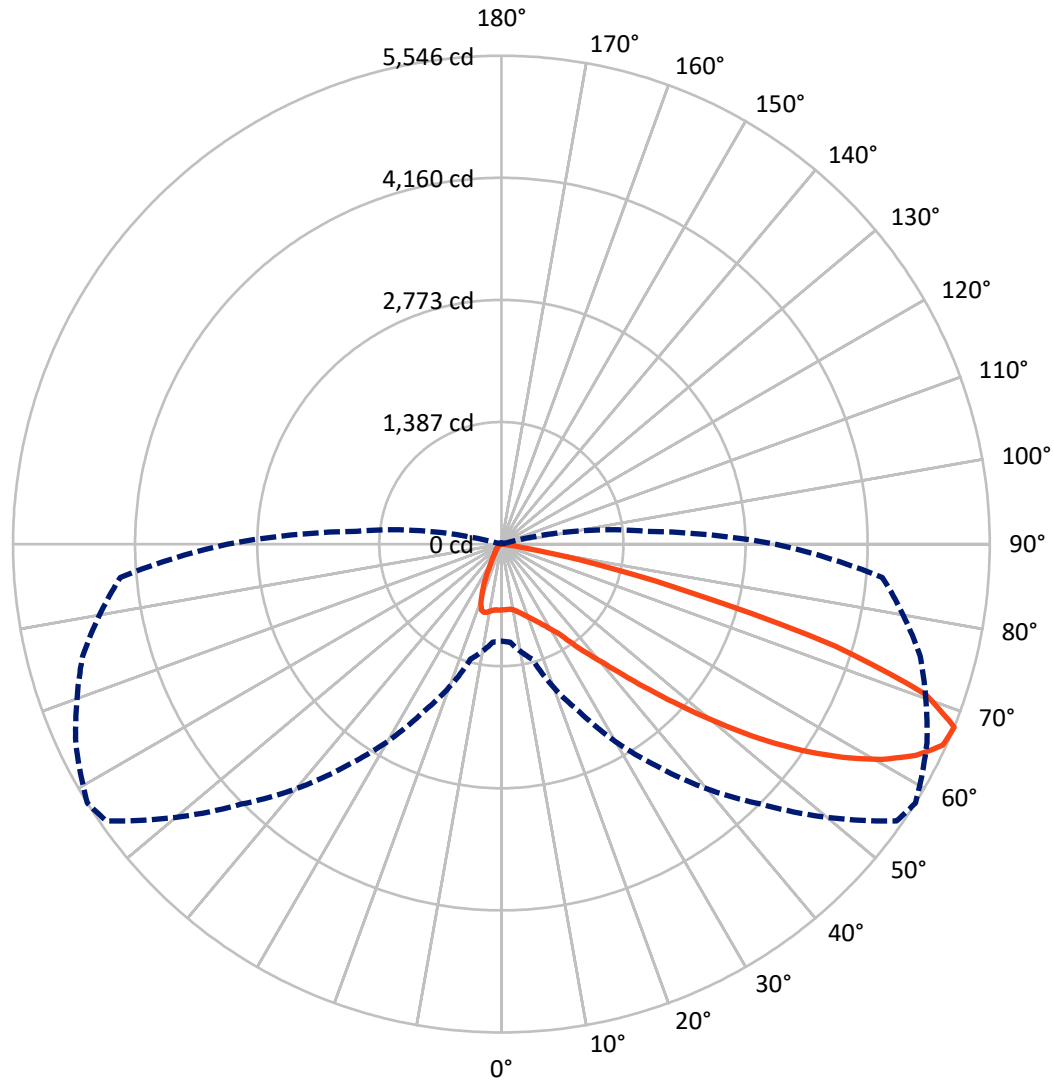
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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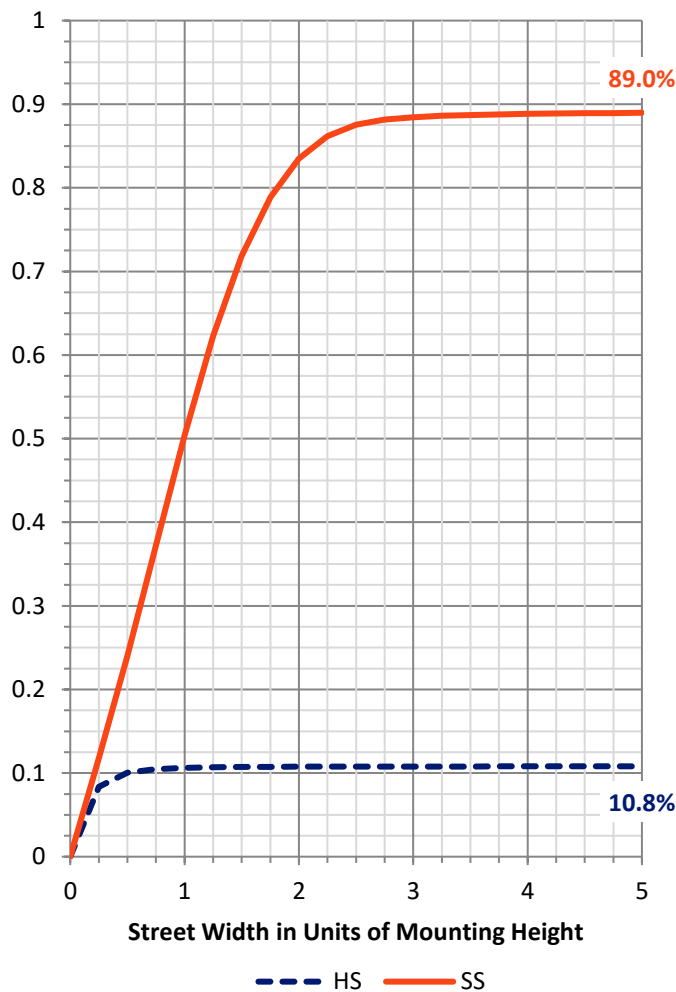
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.9	0.0	747.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6107.3	0.0	6107.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	6855.2	0.0	6855.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.0
10°-20°	197.0	2.9
20°-30°	343.9	5.0
30°-40°	614.2	9.0
40°-50°	1122.6	16.4
50°-60°	1867.0	27.2
60°-70°	2027.9	29.6
70°-80°	595.4	8.7
80°-90°	17.0	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°	6855.2	100.0
0°-180°	6855.2	100.0

Coefficient of Utilization



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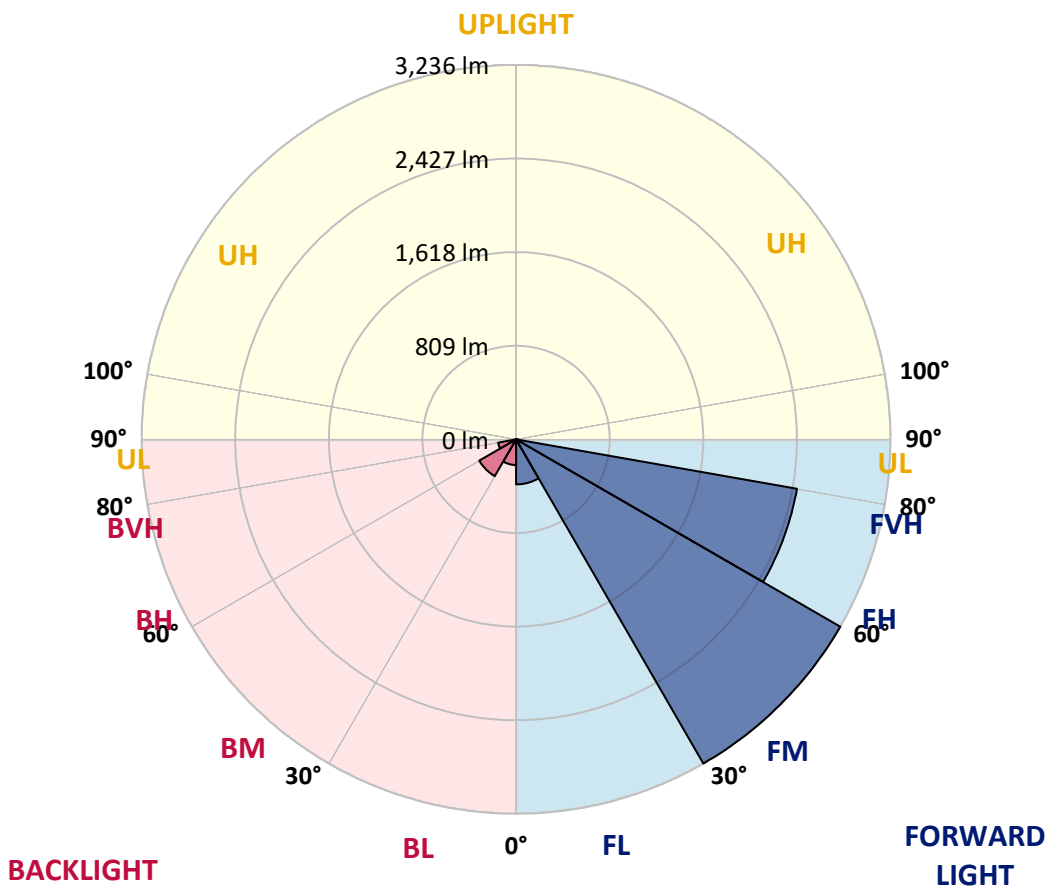
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.3	5.7			
FM (30°-60°)	3236.5	47.2			
FH (60°-80°)	2465.4	36.0			G2/5000
FVH (80°-90°)	16.1	0.2			G1/100
BL (0°-30°)	221.8	3.2	B1/500		
BM (30°-60°)	367.3	5.4	B1/1000		
BH (60°-80°)	157.9	2.3	B1/500		G1/500
BVH (80°-90°)	0.8	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0
2.5°	733.0	731.6	731.6	737.0	737.6	740.3	746.3	747.0	750.4	749.0	744.3
5°	694.8	695.5	699.5	708.9	716.9	726.9	741.7	745.0	752.4	756.4	753.7
7.5°	659.3	660.0	666.0	680.7	696.1	716.2	740.3	747.0	761.7	772.4	773.1
10°	645.9	645.3	651.3	668.0	688.1	716.2	751.0	759.7	781.8	800.6	803.9
12.5°	650.0	649.3	655.3	670.7	692.8	728.3	769.8	781.8	809.9	838.7	844.7
15°	666.0	665.3	669.4	682.1	706.2	743.0	793.9	811.9	847.4	882.2	891.6
17.5°	714.2	710.9	706.9	708.2	722.2	760.4	824.7	846.7	890.9	932.4	940.5
20°	799.9	791.2	780.5	766.4	759.7	785.8	860.1	885.6	939.1	986.6	988.0
22.5°	929.1	925.7	901.0	860.1	831.4	832.0	901.6	931.1	996.7	1048.9	1041.5
25°	1109.1	1107.1	1069.0	1002.0	927.1	901.6	954.5	984.6	1065.0	1120.5	1097.1
27.5°	1332.7	1318.7	1273.8	1183.4	1071.7	992.0	1021.5	1048.2	1137.3	1189.5	1145.3
30°	1527.5	1528.2	1486.0	1391.6	1265.8	1127.9	1103.1	1126.5	1203.5	1258.4	1204.9
32.5°	1714.9	1720.9	1674.8	1589.7	1451.9	1305.3	1220.3	1224.3	1288.5	1348.1	1283.2
35°	1888.9	1893.6	1861.5	1789.2	1660.7	1490.7	1383.6	1381.6	1416.4	1477.3	1392.3
37.5°	2083.7	2088.4	2057.0	1992.0	1871.5	1702.9	1569.0	1566.3	1580.4	1629.9	1532.8
40°	2291.2	2299.9	2265.1	2210.2	2095.1	1952.5	1784.5	1760.4	1746.4	1804.6	1714.9
42.5°	2501.4	2514.8	2502.8	2447.9	2349.5	2231.7	2064.3	2026.8	1996.7	2069.7	1974.6
45°	2762.5	2778.5	2773.2	2731.0	2654.7	2559.0	2401.0	2357.5	2343.4	2411.1	2297.9
47.5°	3013.5	3030.9	3050.3	3040.9	2986.7	2942.5	2767.2	2742.4	2738.4	2810.7	2635.3
50°	3200.2	3216.3	3290.6	3344.2	3381.0	3371.6	3219.6	3182.8	3176.8	3223.0	2991.4
52.5°	3334.1	3349.5	3451.9	3619.3	3754.5	3828.1	3674.8	3666.8	3634.0	3617.9	3324.7
55°	3437.9	3459.3	3567.0	3820.1	4092.5	4255.8	4160.1	4131.3	4047.0	3954.6	3634.0
57.5°	3458.6	3467.3	3619.3	3960.6	4354.9	4619.3	4619.3	4569.1	4406.4	4278.6	3991.4
60°	3272.5	3299.3	3504.8	3949.3	4467.3	4856.9	5000.2	4965.4	4745.8	4588.5	4335.5
62.5°	2859.5	2889.7	3140.0	3676.8	4354.9	4905.8	5288.7	5283.3	5035.6	4844.9	4620.6
65°	2192.8	2214.9	2433.1	3075.7	3879.6	4717.7	5494.8	5509.5	5264.6	5014.2	4719.0
67.5°	1101.8	1117.2	1352.8	2101.1	3075.1	4176.2	5480.8	5546.4	5334.2	4924.5	4343.5
70°	384.9	400.3	511.4	901.6	1871.5	3188.9	5006.9	5114.0	4925.2	4203.6	3204.3
72.5°	131.9	139.2	212.2	334.7	728.3	1890.3	3807.4	3968.7	3630.6	2822.0	1841.4
75°	75.0	79.7	113.8	181.4	305.2	621.8	2160.0	2259.1	2116.5	1538.2	757.7
77.5°	50.9	54.9	71.0	103.1	168.7	200.1	880.9	1109.1	967.2	502.0	193.4
80°	30.1	32.8	43.5	60.9	86.3	77.6	188.8	251.0	323.3	149.9	58.2
82.5°	14.1	16.1	28.1	40.2	43.5	32.8	55.6	67.6	91.0	73.6	24.1
85°	0.0	0.0	9.4	16.7	16.1	9.4	15.4	16.7	24.8	36.8	9.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	4.0	7.4	4.0
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°	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0
2.5°	749.7	745.0	750.4	747.7	750.4	749.7	744.3	741.0	741.0	735.0	733.0
5°	759.1	754.4	755.7	749.7	748.4	745.0	738.3	735.6	735.6	729.6	727.6
7.5°	779.8	772.4	771.1	759.1	753.7	744.3	732.3	727.6	726.9	720.9	718.9
10°	812.6	803.9	797.9	782.5	767.1	748.4	722.9	701.5	689.4	673.4	672.0
12.5°	852.8	842.1	832.7	809.3	783.8	741.7	666.7	588.4	540.2	502.0	504.7
15°	897.6	887.6	872.9	837.4	785.2	675.4	518.8	398.3	339.4	307.9	306.6
17.5°	946.5	931.8	907.7	859.5	743.0	516.1	337.4	238.3	207.5	196.8	194.1
20°	992.0	973.9	943.8	864.2	621.2	349.4	210.9	184.7	179.4	176.0	176.0
22.5°	1040.2	1017.4	972.6	828.0	461.9	223.6	179.4	173.4	169.3	164.7	164.0
25°	1089.1	1059.6	998.7	733.6	302.6	176.0	168.0	161.3	154.0	146.6	144.6
27.5°	1130.6	1092.4	1018.8	593.1	194.1	158.6	153.3	141.9	131.9	123.8	122.5
30°	1180.1	1131.2	1027.5	433.7	152.6	139.9	131.9	119.8	107.8	99.7	97.1
32.5°	1246.4	1192.8	1014.1	282.5	135.2	123.2	110.4	96.4	84.3	75.6	74.3
35°	1349.4	1285.9	952.5	180.1	122.5	106.4	91.0	76.3	66.3	59.6	58.2
37.5°	1475.3	1416.4	851.4	135.2	109.8	92.4	74.3	60.2	52.9	48.2	46.9
40°	1662.0	1579.7	726.3	118.5	97.1	78.3	60.9	49.5	44.2	40.2	38.8
42.5°	1904.3	1772.5	582.3	107.8	85.0	65.6	49.5	40.8	36.1	33.5	32.8
45°	2187.5	1960.6	430.4	97.1	73.6	54.2	40.8	33.5	30.1	28.1	27.4
47.5°	2477.3	2125.2	297.2	85.7	62.9	44.8	34.1	28.8	26.1	23.4	22.8
50°	2786.6	2264.5	202.8	74.3	53.5	36.8	29.5	26.1	22.8	20.8	20.1
52.5°	3013.5	2316.0	141.2	64.3	45.5	31.5	26.1	23.4	20.8	18.1	17.4
55°	3223.0	2314.7	107.1	54.2	38.8	27.4	23.4	20.8	18.1	16.1	15.4
57.5°	3431.8	2296.6	84.3	46.2	33.5	24.8	20.8	18.1	16.7	14.1	13.4
60°	3567.0	2228.3	65.6	38.8	28.8	21.4	18.1	16.1	14.1	12.0	11.4
62.5°	3638.7	2133.3	50.2	30.8	23.4	18.7	16.1	14.1	12.0	10.0	9.4
65°	3541.6	1964.6	39.5	24.1	18.1	16.1	13.4	11.4	9.4	7.4	6.7
67.5°	3111.2	1656.7	30.8	19.4	14.1	12.0	11.4	9.4	6.7	5.4	4.7
70°	2198.9	1134.6	24.1	14.7	10.7	9.4	8.7	7.4	5.4	4.0	3.3
72.5°	1206.9	572.3	17.4	10.7	8.0	7.4	6.7	6.0	4.7	3.3	3.3
75°	464.5	157.3	12.7	7.4	5.4	5.4	4.7	4.7	4.0	2.7	2.7
77.5°	121.2	46.9	8.0	4.7	3.3	3.3	3.3	2.7	2.7	2.0	2.0
80°	38.8	15.4	4.7	3.3	2.7	2.0	2.0	1.3	2.0	1.3	1.3
82.5°	12.7	5.4	2.7	2.7	2.0	1.3	1.3	0.7	0.7	0.0	0.0
85°	4.7	2.7	2.0	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0
87.5°	2.7	1.3	1.3	1.3	1.3	0.7	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)