

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: P629867

Luminaire Tested: GWS-SA1C-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3762.7 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

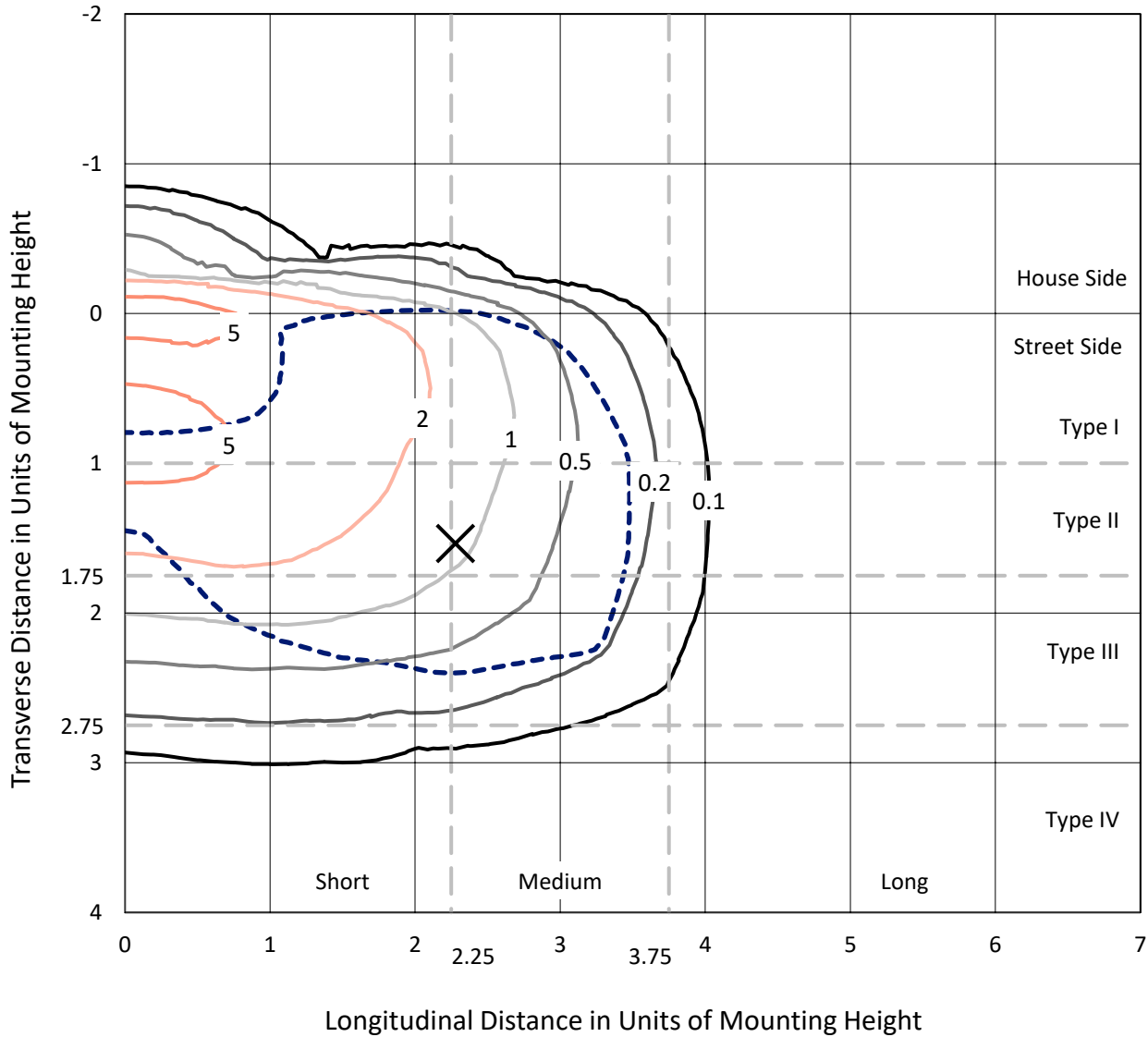
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

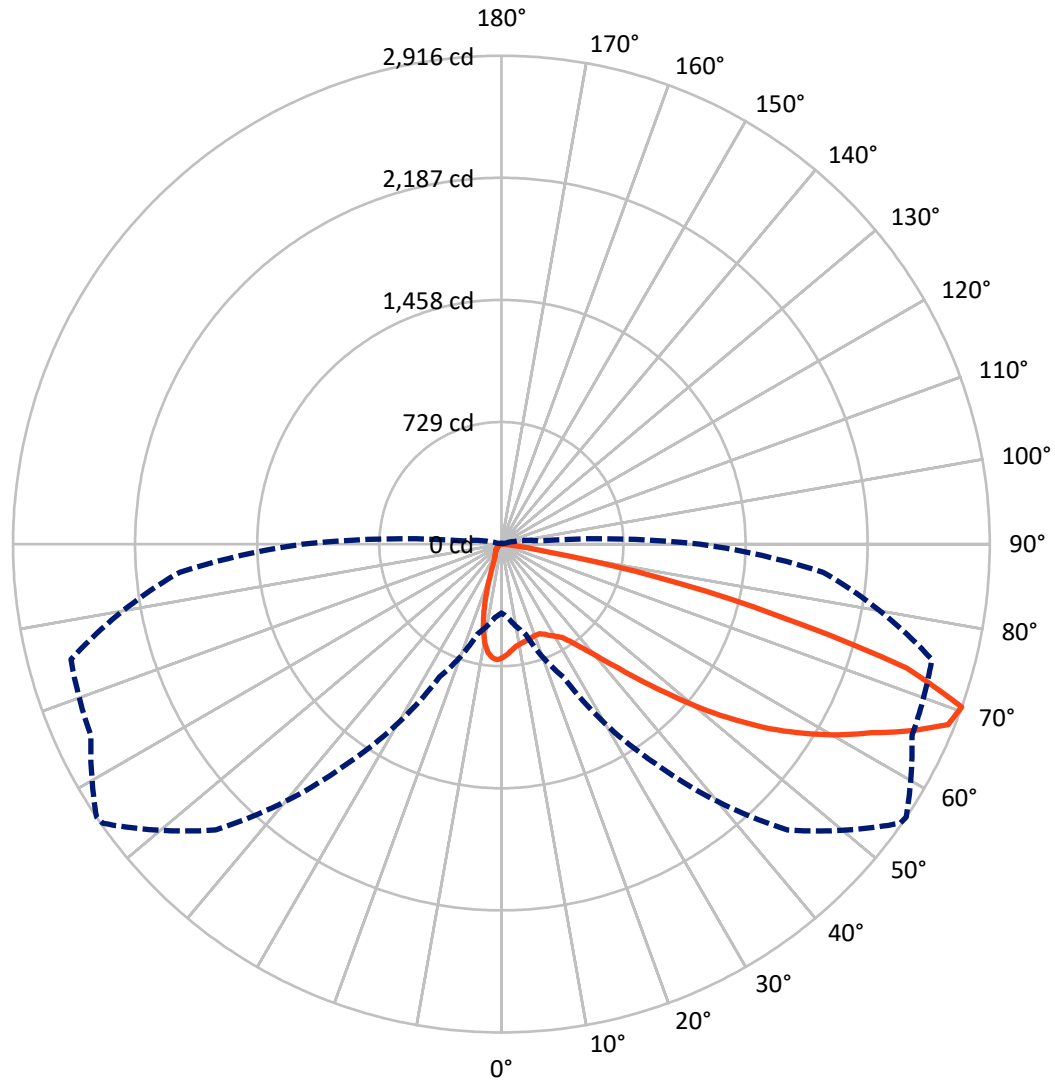
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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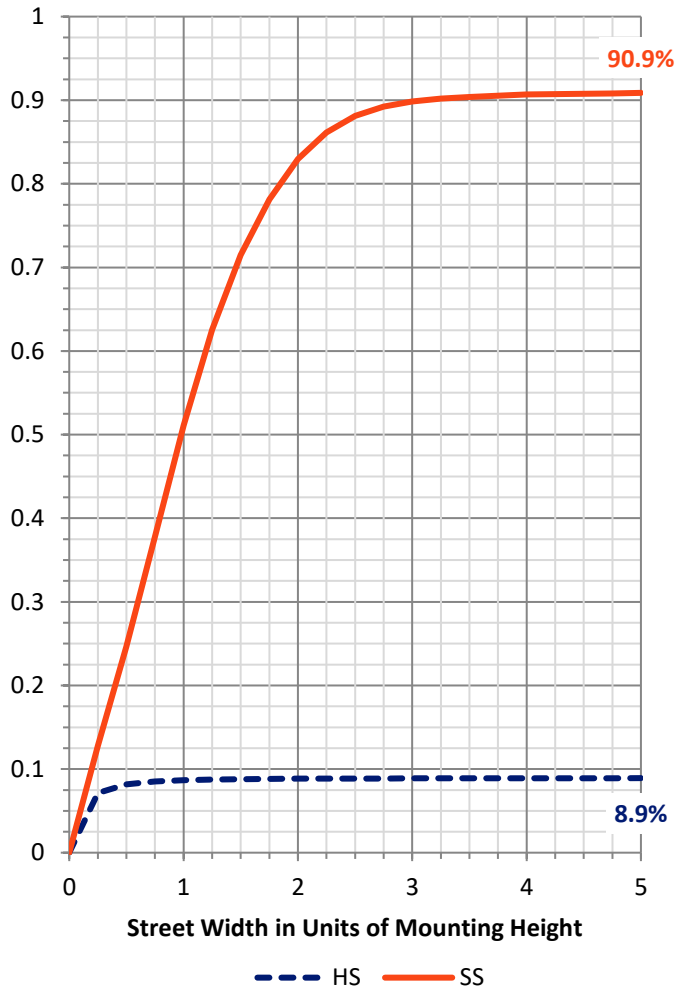
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.0	0.0	338.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3424.7	0.0	3424.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	3762.7	0.0	3762.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.5
10°-20°	131.0	3.5
20°-30°	207.5	5.5
30°-40°	357.9	9.5
40°-50°	604.3	16.1
50°-60°	888.0	23.6
60°-70°	1052.7	28.0
70°-80°	448.9	11.9
80°-90°	14.1	0.4
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°	3762.7	100.0
0°-180°	3762.7	100.0

Coefficient of Utilization



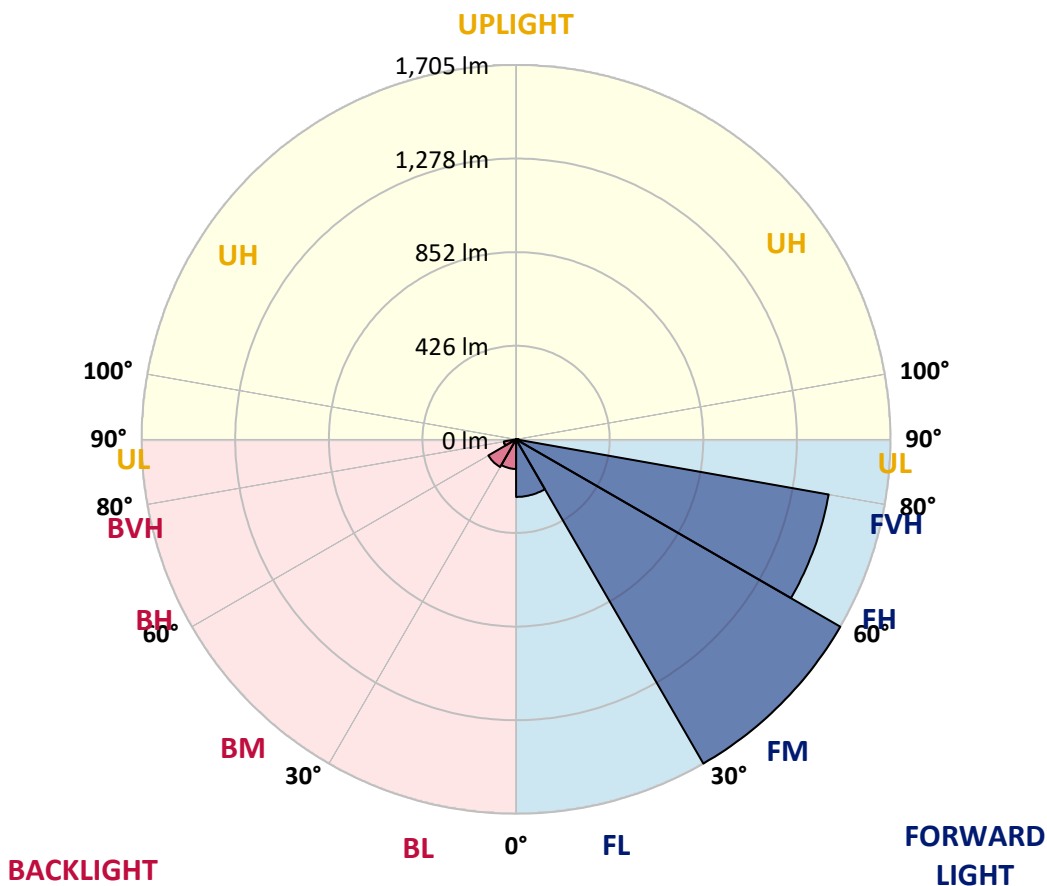
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.2	7.0			
FM (30°-60°)	1704.6	45.3			
FH (60°-80°)	1445.3	38.4			G1/1800
FVH (80°-90°)	12.7	0.3			G1/100
BL (0°-30°)	134.6	3.6	B1/500		
BM (30°-60°)	145.6	3.9	B0/220		
BH (60°-80°)	56.4	1.5	B0/110		G0/110
BVH (80°-90°)	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	631.6	630.6	631.2	636.4	646.1	650.5	658.1	659.5	665.7	673.6	676.7
5°	590.6	587.1	588.9	596.1	607.1	619.5	633.7	637.4	653.0	670.5	683.6
7.5°	553.0	549.2	553.4	564.7	580.3	593.7	614.7	617.1	641.9	672.9	696.7
10°	494.1	495.1	503.4	523.4	547.2	575.1	603.3	606.8	637.4	680.9	717.7
12.5°	449.0	446.6	455.5	478.3	511.7	552.3	594.7	599.2	637.8	692.9	744.6
15°	428.0	427.3	431.1	447.6	480.0	527.9	586.8	592.7	642.3	704.0	770.1
17.5°	428.6	427.6	427.3	436.9	461.0	509.6	578.2	585.8	646.1	716.0	797.0
20°	458.6	453.8	445.2	440.7	455.2	497.9	572.3	580.9	651.6	728.8	825.6
22.5°	521.3	523.1	500.0	475.8	469.0	499.3	571.6	581.6	663.6	748.7	860.7
25°	646.8	644.0	601.3	547.2	509.6	515.1	583.7	595.8	687.4	777.3	893.8
27.5°	803.9	806.3	747.7	661.6	583.0	547.9	605.7	617.8	715.0	795.3	915.9
30°	975.1	972.7	910.0	814.6	687.1	602.3	627.8	638.5	728.8	804.9	938.6
32.5°	1137.1	1131.6	1069.5	969.6	819.7	688.1	658.1	664.3	747.0	825.9	969.3
35°	1275.2	1274.9	1220.8	1114.3	956.2	795.6	710.2	715.3	781.1	859.4	1014.4
37.5°	1417.9	1413.1	1352.4	1255.3	1096.4	913.4	789.7	787.7	834.9	908.6	1069.9
40°	1535.0	1531.9	1485.4	1392.1	1242.2	1043.7	886.2	880.0	898.6	976.8	1147.1
42.5°	1621.9	1622.2	1607.8	1550.9	1396.5	1194.3	1007.5	997.9	997.5	1079.9	1249.1
45°	1687.7	1692.2	1713.9	1705.3	1578.8	1369.7	1162.9	1152.9	1136.0	1213.6	1365.9
47.5°	1718.4	1724.2	1789.7	1824.1	1738.3	1543.7	1347.9	1326.9	1293.8	1391.4	1496.5
50°	1715.3	1725.6	1816.9	1921.7	1883.1	1720.1	1549.5	1539.5	1485.4	1579.5	1625.7
52.5°	1645.0	1667.0	1818.6	1980.9	1994.4	1882.7	1758.0	1739.4	1713.2	1775.9	1747.0
55°	1454.1	1480.9	1745.9	1999.9	2081.2	2024.7	1962.0	1946.8	1903.4	1961.3	1852.7
57.5°	1350.4	1373.4	1592.9	1990.6	2154.9	2156.0	2143.6	2131.1	2095.3	2144.6	1976.8
60°	1288.0	1311.1	1511.3	1956.5	2221.8	2294.5	2314.1	2312.7	2261.0	2353.0	2122.2
62.5°	1196.7	1228.4	1426.2	1867.9	2269.3	2430.9	2490.2	2480.9	2423.3	2570.1	2266.2
65°	1012.3	1039.9	1251.8	1721.8	2241.4	2543.9	2681.1	2685.9	2619.4	2774.5	2379.9
67.5°	709.8	730.1	940.7	1415.1	2051.9	2581.2	2876.4	2876.1	2762.7	2879.2	2329.6
70°	411.4	439.3	555.8	874.9	1596.4	2412.0	2905.7	2915.7	2704.5	2660.4	1927.9
72.5°	159.2	182.3	314.9	464.8	832.5	1847.6	2499.5	2528.8	2263.5	2052.2	1341.7
75°	47.6	53.1	148.2	247.4	334.2	892.4	1692.2	1700.4	1552.6	1280.1	687.8
77.5°	35.5	39.3	64.8	125.1	117.2	270.5	875.5	956.2	824.2	457.2	189.5
80°	24.1	28.6	46.2	61.0	43.4	72.0	246.0	270.1	251.5	102.7	47.6
82.5°	10.7	13.8	32.7	30.7	15.9	20.7	75.8	80.6	52.0	31.0	16.5
85°	1.0	1.4	12.4	13.4	5.9	4.8	15.9	15.9	11.4	10.7	6.9
87.5°	0.0	0.0	0.3	0.7	0.7	1.0	1.4	1.7	2.1	2.8	3.4
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°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	684.7	680.5	685.7	689.8	690.9	683.3	678.8	672.3	670.9	671.2	669.5
5°	694.0	691.9	695.7	691.2	679.5	657.4	638.5	617.5	606.1	599.5	598.9
7.5°	711.2	710.2	706.0	685.7	649.2	600.2	553.0	506.9	478.3	467.9	466.2
10°	736.7	734.6	717.7	669.5	591.6	497.6	418.3	352.1	311.8	300.1	285.6
12.5°	766.0	761.8	725.0	634.7	504.8	374.5	275.7	201.6	166.8	156.4	156.4
15°	794.2	785.3	720.8	577.1	398.0	243.6	154.0	116.5	105.8	103.0	103.0
17.5°	823.2	805.9	704.6	498.6	275.0	144.0	102.7	95.4	94.1	94.4	94.8
20°	850.4	823.5	676.0	404.2	175.4	100.6	92.0	90.3	89.6	90.3	89.9
22.5°	880.0	839.7	632.6	301.2	114.1	90.6	87.5	86.1	85.5	86.5	86.5
25°	909.3	851.4	575.1	202.6	90.6	84.4	82.7	81.3	80.6	81.0	81.0
27.5°	924.5	846.9	499.6	129.2	81.3	78.2	76.5	74.8	73.7	73.4	73.7
30°	934.8	833.2	407.3	92.0	73.7	69.9	68.2	66.8	64.1	62.4	63.1
32.5°	951.0	819.4	307.0	77.2	67.5	61.7	58.9	55.5	51.7	50.0	50.0
35°	970.3	800.4	215.4	69.6	61.0	54.8	49.6	43.8	39.3	37.9	37.9
37.5°	995.8	782.5	143.3	64.4	55.5	48.9	41.7	34.8	30.0	29.3	28.9
40°	1034.0	767.4	101.0	60.6	50.7	42.7	34.1	26.9	23.4	22.4	22.4
42.5°	1083.7	751.8	79.9	56.9	46.5	36.9	27.2	21.4	18.6	17.9	17.6
45°	1145.0	733.6	69.6	53.4	42.4	30.7	21.7	17.9	15.9	15.2	15.2
47.5°	1211.5	708.8	64.8	48.9	37.6	24.8	18.3	15.5	14.5	14.1	13.8
50°	1277.0	675.4	60.6	44.8	32.0	20.3	15.9	14.1	13.4	13.1	13.1
52.5°	1334.2	636.4	55.5	40.0	26.2	17.6	14.1	13.1	12.4	11.7	11.4
55°	1383.1	594.0	48.9	34.5	21.4	15.5	13.1	12.1	11.4	10.7	10.3
57.5°	1446.1	569.9	39.3	27.9	17.6	13.8	12.1	11.0	10.3	9.3	9.3
60°	1516.1	552.3	29.3	22.1	15.2	12.7	11.0	10.0	9.3	8.3	8.3
62.5°	1572.3	526.2	23.1	17.9	13.1	11.4	10.0	9.0	8.3	7.2	7.2
65°	1593.6	472.1	19.0	14.1	10.7	10.0	9.0	8.3	7.2	6.2	6.2
67.5°	1497.1	363.9	15.9	11.4	9.0	8.6	7.9	7.6	6.2	5.5	5.2
70°	1185.7	221.9	13.1	9.3	7.6	7.2	7.2	6.5	5.5	5.2	4.8
72.5°	812.5	114.4	10.7	7.6	6.5	6.5	6.2	5.9	5.2	4.8	4.8
75°	422.1	38.2	8.3	5.9	5.2	5.5	5.5	5.2	4.8	4.8	4.5
77.5°	120.9	17.2	6.2	4.5	4.1	4.1	4.5	4.5	4.5	4.1	4.1
80°	31.4	10.0	4.5	3.4	3.4	3.4	3.4	3.8	4.1	3.8	3.8
82.5°	12.7	5.5	3.1	2.8	2.8	2.8	2.8	3.1	3.4	3.4	3.4
85°	7.9	2.8	2.4	2.4	2.4	2.1	2.1	2.4	2.4	2.8	2.8
87.5°	4.8	2.1	2.1	2.1	2.1	1.7	1.7	1.7	1.7	1.7	1.7
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)