

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: P629374

Luminaire Tested: GWS-SA1B-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629374
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-SA1B-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: 2805.7 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

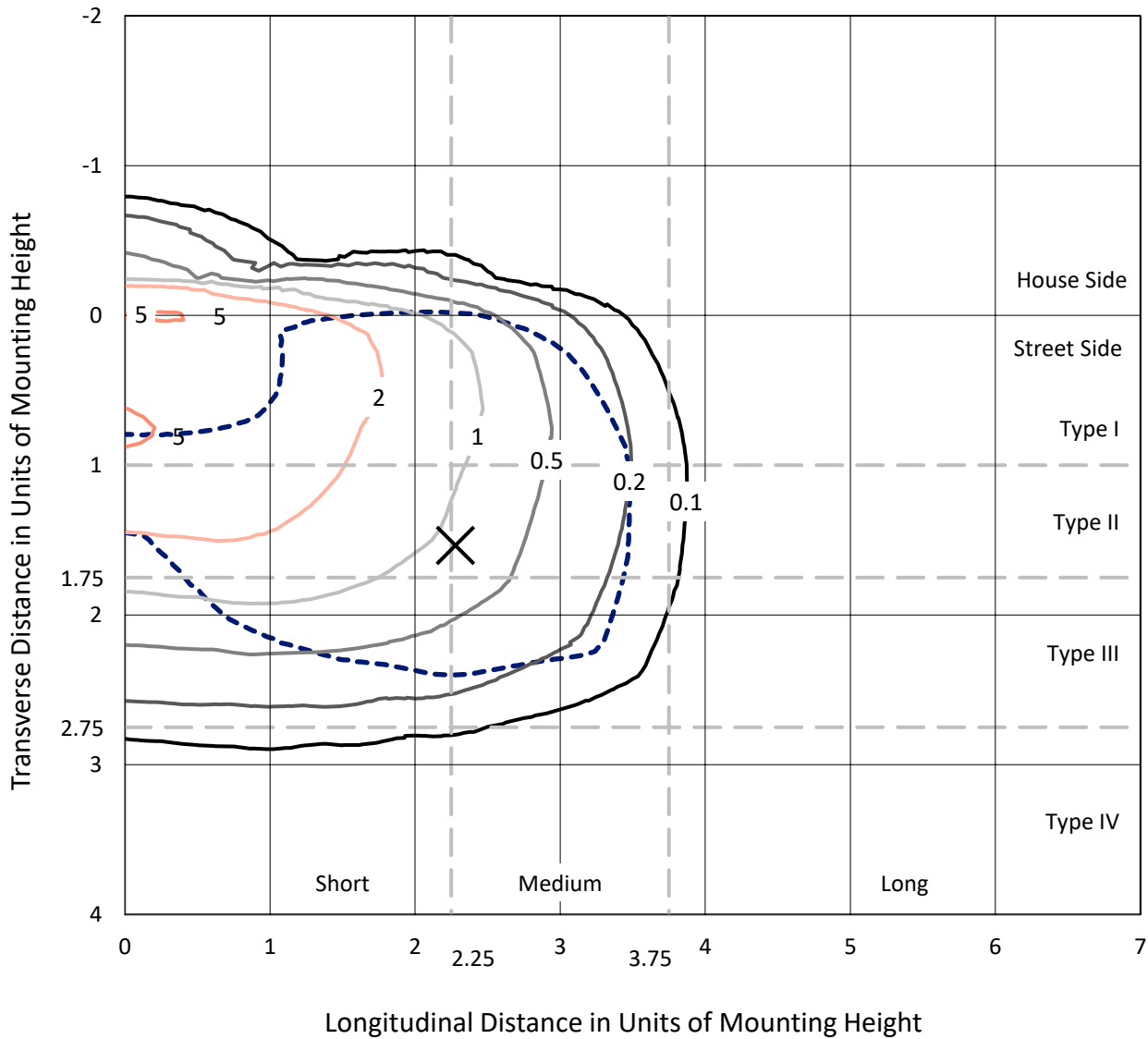
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

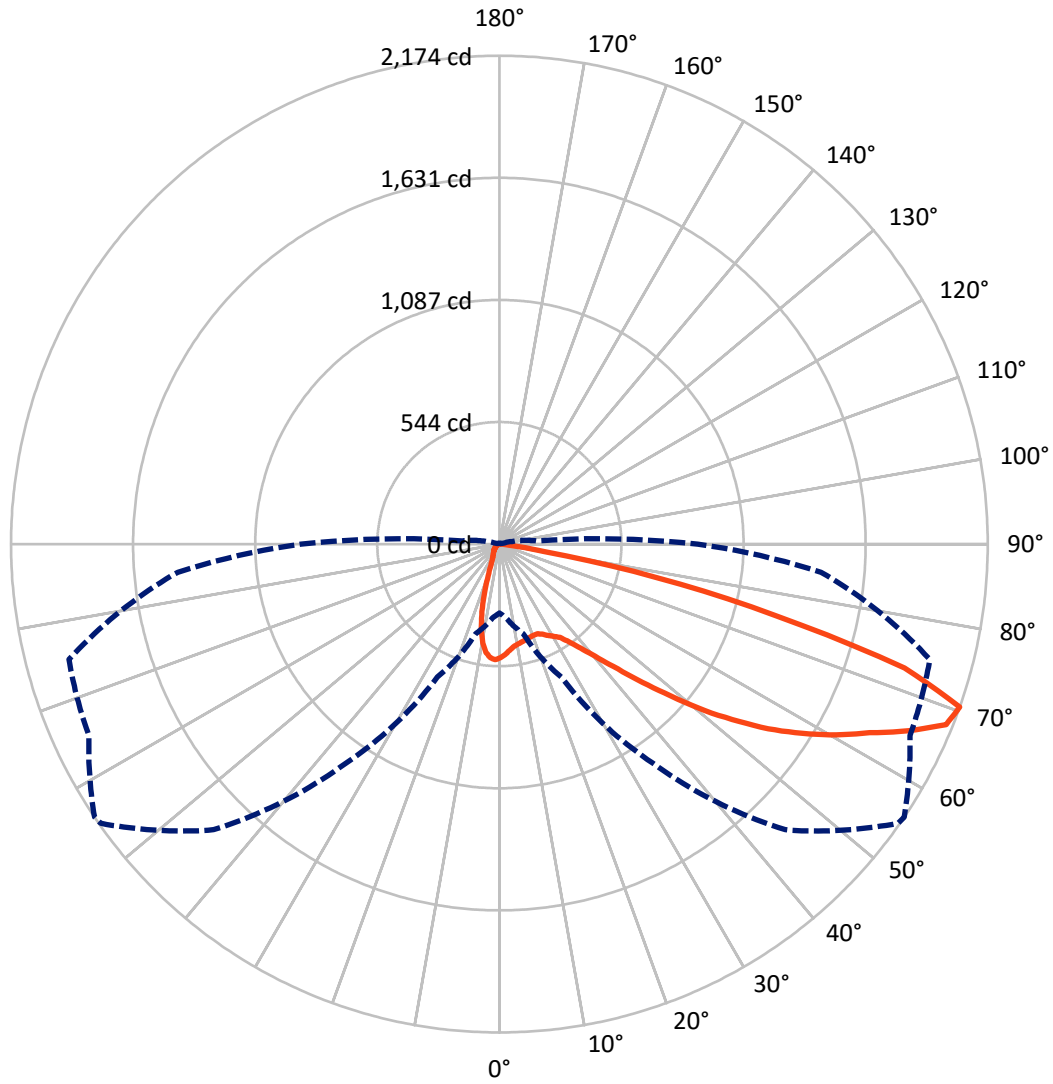
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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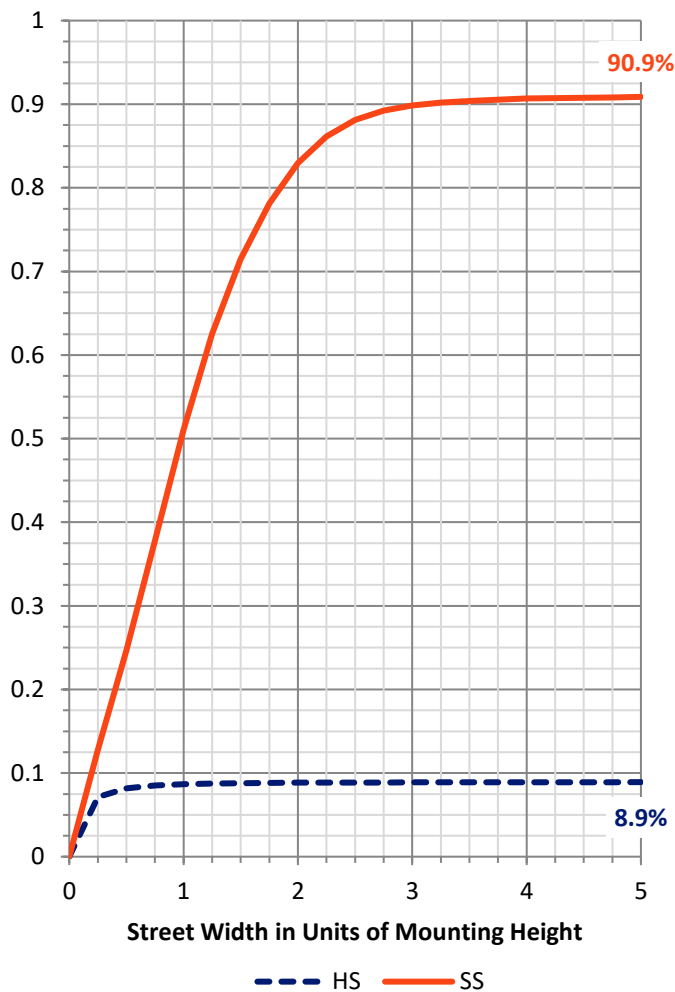
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	252.0	0.0	252.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2553.7	0.0	2553.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	2805.7	0.0	2805.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.5
10°-20°	97.7	3.5
20°-30°	154.7	5.5
30°-40°	266.9	9.5
40°-50°	450.6	16.1
50°-60°	662.1	23.6
60°-70°	785.0	28.0
70°-80°	334.7	11.9
80°-90°	10.5	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°	2805.7	100.0
0°-180°	2805.7	100.0

Coefficient of Utilization



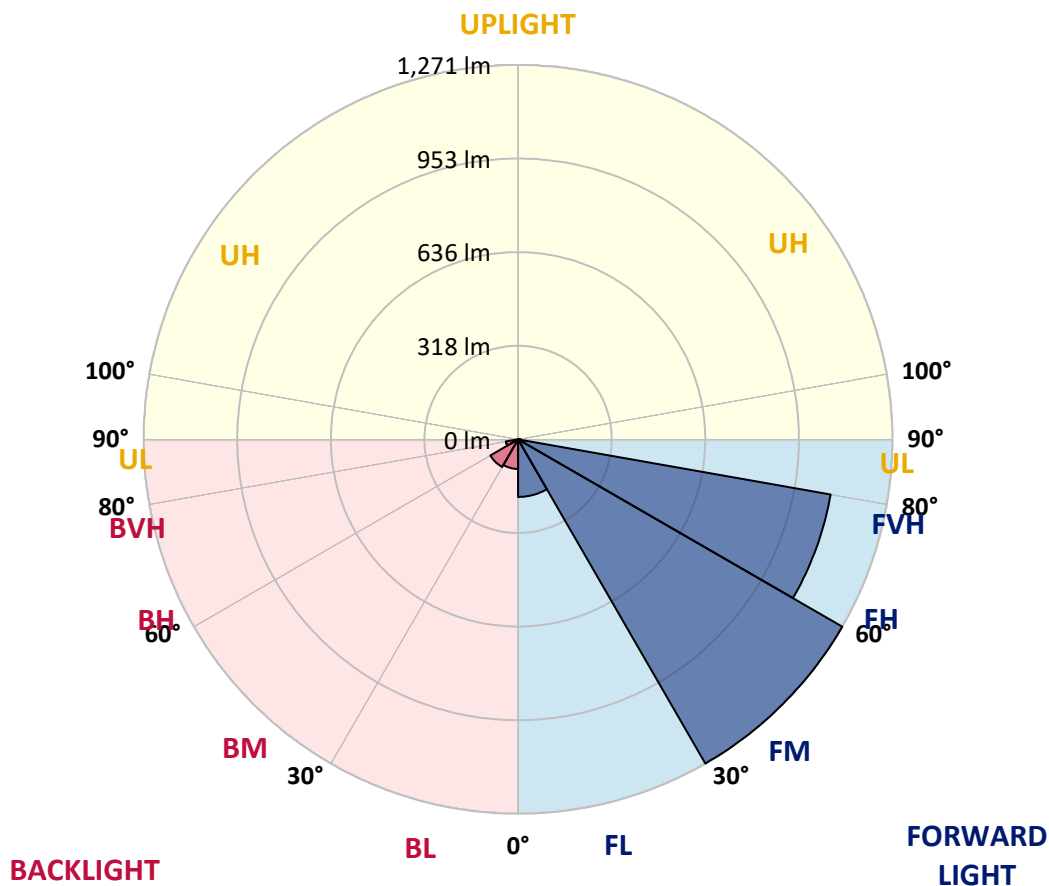
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.5	7.0			
FM (30°-60°)	1271.1	45.3			
FH (60°-80°)	1077.7	38.4			G1/1800
FVH (80°-90°)	9.4	0.3			G0/10
BL (0°-30°)	100.4	3.6	B0/110		
BM (30°-60°)	108.5	3.9	B0/220		
BH (60°-80°)	42.0	1.5	B0/110		G0/110
BVH (80°-90°)	1.1	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9
2.5°	471.0	470.2	470.7	474.6	481.7	485.1	490.7	491.8	496.4	502.3	504.6
5°	440.4	437.8	439.1	444.5	452.7	462.0	472.5	475.3	486.9	500.0	509.7
7.5°	412.4	409.5	412.6	421.1	432.7	442.7	458.4	460.2	478.7	501.8	519.5
10°	368.4	369.2	375.4	390.3	408.0	428.8	449.9	452.5	475.3	507.7	535.2
12.5°	334.8	333.0	339.7	356.6	381.5	411.9	443.5	446.8	475.6	516.7	555.2
15°	319.1	318.6	321.4	333.8	357.9	393.6	437.6	441.9	478.9	524.9	574.2
17.5°	319.6	318.9	318.6	325.8	343.8	380.0	431.1	436.8	481.7	533.9	594.3
20°	342.0	338.4	332.0	328.6	339.4	371.3	426.8	433.2	485.9	543.4	615.6
22.5°	388.7	390.0	372.8	354.8	349.7	372.3	426.2	433.7	494.8	558.3	641.8
25°	482.3	480.2	448.3	408.0	380.0	384.1	435.2	444.2	512.6	579.6	666.5
27.5°	599.4	601.2	557.5	493.3	434.7	408.5	451.7	460.7	533.1	593.0	682.9
30°	727.1	725.3	678.6	607.4	512.3	449.1	468.1	476.1	543.4	600.2	699.9
32.5°	847.9	843.8	797.5	723.0	611.2	513.1	490.7	495.4	557.0	615.9	722.7
35°	950.9	950.6	910.3	830.9	713.0	593.3	529.5	533.4	582.5	640.8	756.4
37.5°	1057.3	1053.7	1008.5	936.0	817.6	681.1	588.9	587.3	622.5	677.5	797.8
40°	1144.6	1142.3	1107.6	1038.0	926.2	778.2	660.8	656.2	670.1	728.4	855.3
42.5°	1209.4	1209.6	1198.8	1156.4	1041.3	890.5	751.3	744.1	743.8	805.2	931.4
45°	1258.4	1261.8	1278.0	1271.5	1177.3	1021.3	867.1	859.7	847.1	904.9	1018.5
47.5°	1281.3	1285.7	1334.5	1360.2	1296.2	1151.0	1005.1	989.4	964.8	1037.5	1115.8
50°	1279.0	1286.7	1354.8	1432.9	1404.1	1282.6	1155.4	1148.0	1107.6	1177.8	1212.2
52.5°	1226.6	1243.0	1356.1	1477.1	1487.1	1403.9	1310.9	1297.0	1277.5	1324.2	1302.6
55°	1084.2	1104.3	1301.9	1491.2	1551.9	1509.7	1463.0	1451.7	1419.3	1462.4	1381.5
57.5°	1006.9	1024.1	1187.8	1484.3	1606.8	1607.6	1598.4	1589.1	1562.4	1599.1	1474.0
60°	960.4	977.6	1126.9	1458.9	1656.7	1710.9	1725.5	1724.5	1686.0	1754.6	1582.4
62.5°	892.3	916.0	1063.4	1392.8	1692.1	1812.6	1856.8	1849.2	1807.0	1916.4	1689.8
65°	754.9	775.4	933.4	1283.9	1671.3	1896.9	1999.2	2002.8	1953.2	2068.8	1774.6
67.5°	529.3	544.4	701.4	1055.2	1530.0	1924.7	2144.9	2144.6	2060.1	2146.9	1737.1
70°	306.8	327.6	414.4	652.3	1190.4	1798.5	2166.7	2174.1	2016.6	1983.8	1437.5
72.5°	118.7	135.9	234.8	346.6	620.7	1377.7	1863.8	1885.6	1687.8	1530.3	1000.5
75°	35.5	39.6	110.5	184.5	249.2	665.4	1261.8	1268.0	1157.7	954.5	512.8
77.5°	26.5	29.3	48.3	93.3	87.4	201.7	652.9	713.0	614.6	340.9	141.3
80°	18.0	21.3	34.4	45.5	32.4	53.7	183.4	201.4	187.6	76.6	35.5
82.5°	8.0	10.3	24.4	22.9	11.8	15.4	56.5	60.1	38.8	23.1	12.3
85°	0.8	1.0	9.2	10.0	4.4	3.6	11.8	11.8	8.5	8.0	5.1
87.5°	0.0	0.0	0.3	0.5	0.5	0.8	1.0	1.3	1.5	2.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9
2.5°	510.5	507.4	511.3	514.4	515.1	509.5	506.2	501.3	500.2	500.5	499.2
5°	517.5	515.9	518.7	515.4	506.7	490.2	476.1	460.4	451.9	447.1	446.5
7.5°	530.3	529.5	526.5	511.3	484.1	447.6	412.4	377.9	356.6	348.9	347.6
10°	549.3	547.8	535.2	499.2	441.1	371.0	311.9	262.6	232.5	223.8	213.0
12.5°	571.2	568.1	540.6	473.3	376.4	279.3	205.5	150.3	124.4	116.6	116.6
15°	592.2	585.5	537.5	430.4	296.8	181.6	114.8	86.8	78.9	76.8	76.8
17.5°	613.8	601.0	525.4	371.8	205.0	107.4	76.6	71.2	70.1	70.4	70.7
20°	634.1	614.1	504.1	301.4	130.8	75.0	68.6	67.3	66.8	67.3	67.1
22.5°	656.2	626.1	471.7	224.6	85.0	67.6	65.3	64.2	63.7	64.5	64.5
25°	678.0	634.9	428.8	151.1	67.6	62.9	61.7	60.6	60.1	60.4	60.4
27.5°	689.3	631.5	372.5	96.3	60.6	58.3	57.0	55.8	55.0	54.7	55.0
30°	697.1	621.3	303.7	68.6	55.0	52.2	50.9	49.8	47.8	46.5	47.0
32.5°	709.1	611.0	228.9	57.6	50.4	46.0	43.9	41.4	38.5	37.3	37.3
35°	723.5	596.8	160.6	51.9	45.5	40.9	37.0	32.6	29.3	28.3	28.3
37.5°	742.5	583.5	106.9	48.0	41.4	36.5	31.1	25.9	22.4	21.8	21.6
40°	771.0	572.2	75.3	45.2	37.8	31.9	25.4	20.0	17.5	16.7	16.7
42.5°	808.0	560.6	59.6	42.4	34.7	27.5	20.3	15.9	13.9	13.4	13.1
45°	853.8	547.0	51.9	39.8	31.6	22.9	16.2	13.4	11.8	11.3	11.3
47.5°	903.4	528.5	48.3	36.5	28.0	18.5	13.6	11.6	10.8	10.5	10.3
50°	952.2	503.6	45.2	33.4	23.9	15.2	11.8	10.5	10.0	9.8	9.8
52.5°	994.8	474.6	41.4	29.8	19.5	13.1	10.5	9.8	9.2	8.7	8.5
55°	1031.3	442.9	36.5	25.7	15.9	11.6	9.8	9.0	8.5	8.0	7.7
57.5°	1078.3	425.0	29.3	20.8	13.1	10.3	9.0	8.2	7.7	6.9	6.9
60°	1130.5	411.9	21.8	16.4	11.3	9.5	8.2	7.5	6.9	6.2	6.2
62.5°	1172.4	392.3	17.2	13.4	9.8	8.5	7.5	6.7	6.2	5.4	5.4
65°	1188.3	352.0	14.1	10.5	8.0	7.5	6.7	6.2	5.4	4.6	4.6
67.5°	1116.4	271.3	11.8	8.5	6.7	6.4	5.9	5.7	4.6	4.1	3.9
70°	884.1	165.5	9.8	6.9	5.7	5.4	5.4	4.9	4.1	3.9	3.6
72.5°	605.8	85.3	8.0	5.7	4.9	4.9	4.6	4.4	3.9	3.6	3.6
75°	314.7	28.5	6.2	4.4	3.9	4.1	4.1	3.9	3.6	3.6	3.3
77.5°	90.2	12.8	4.6	3.3	3.1	3.1	3.3	3.3	3.3	3.1	3.1
80°	23.4	7.5	3.3	2.6	2.6	2.6	2.6	2.8	3.1	2.8	2.8
82.5°	9.5	4.1	2.3	2.1	2.1	2.1	2.1	2.3	2.6	2.6	2.6
85°	5.9	2.1	1.8	1.8	1.8	1.5	1.5	1.8	1.8	2.1	2.1
87.5°	3.6	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
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)