

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: P630248

Luminaire Tested: GWS-SA1D-730-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630248
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4053.8 lumens
Efficiency: N/A
Efficacy: 91.5 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

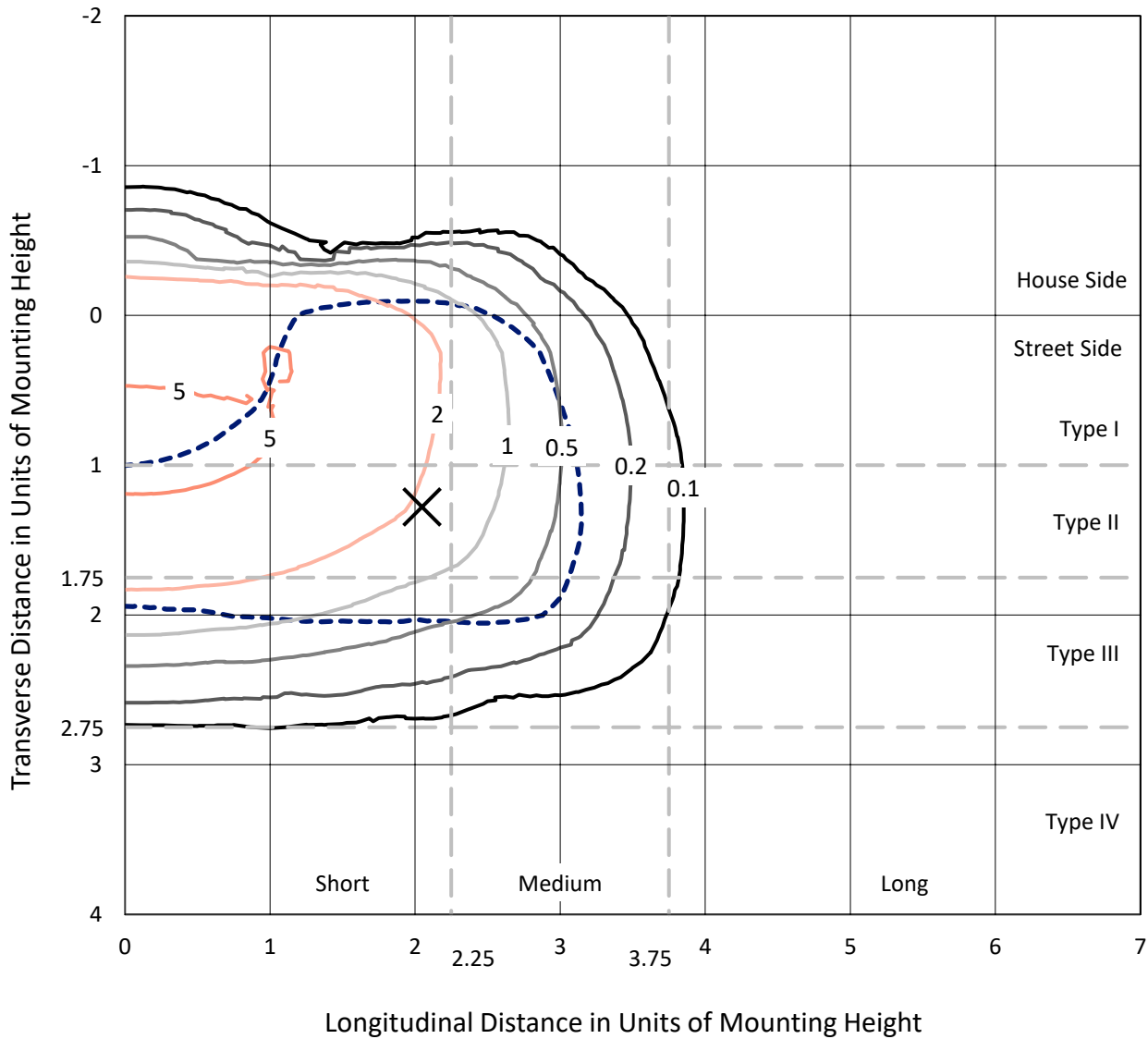
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

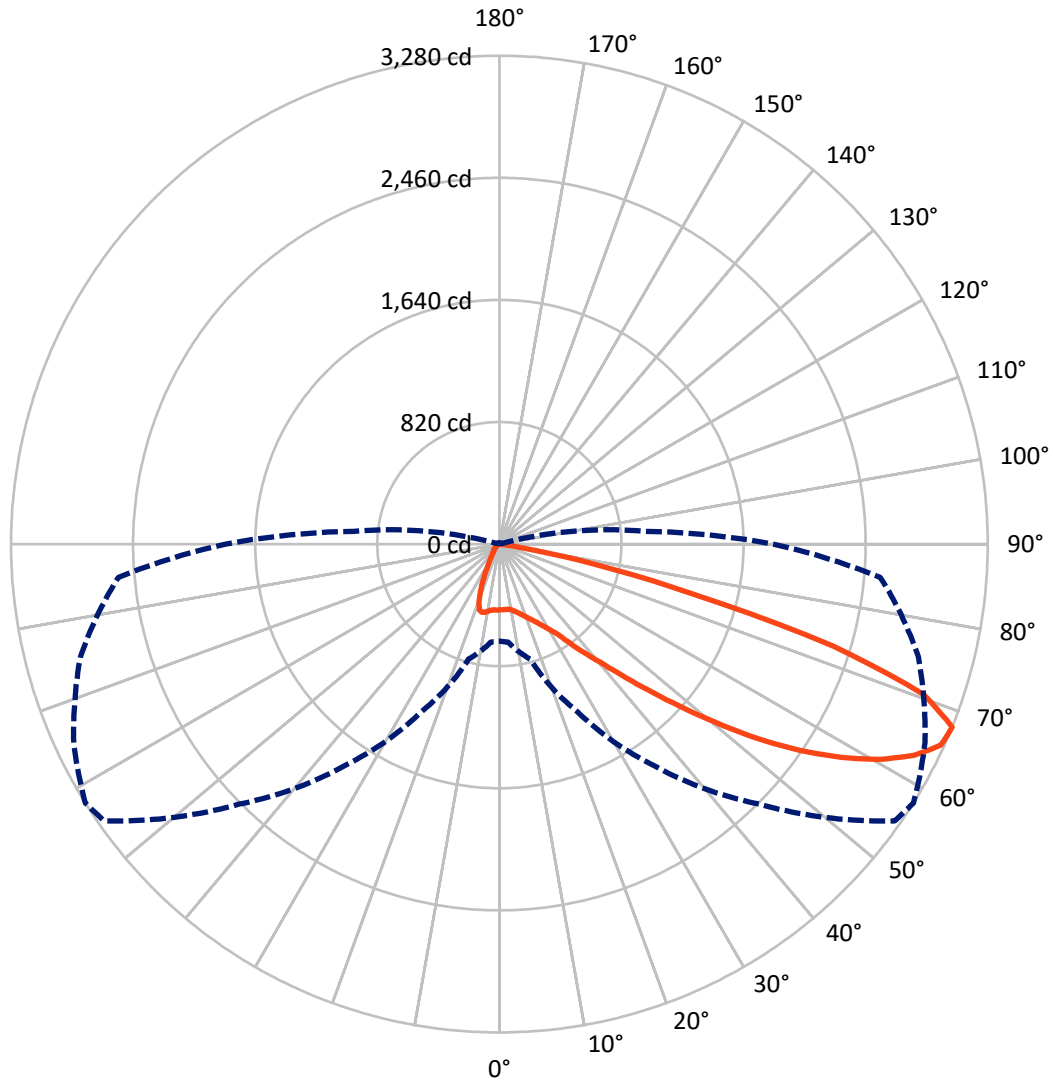
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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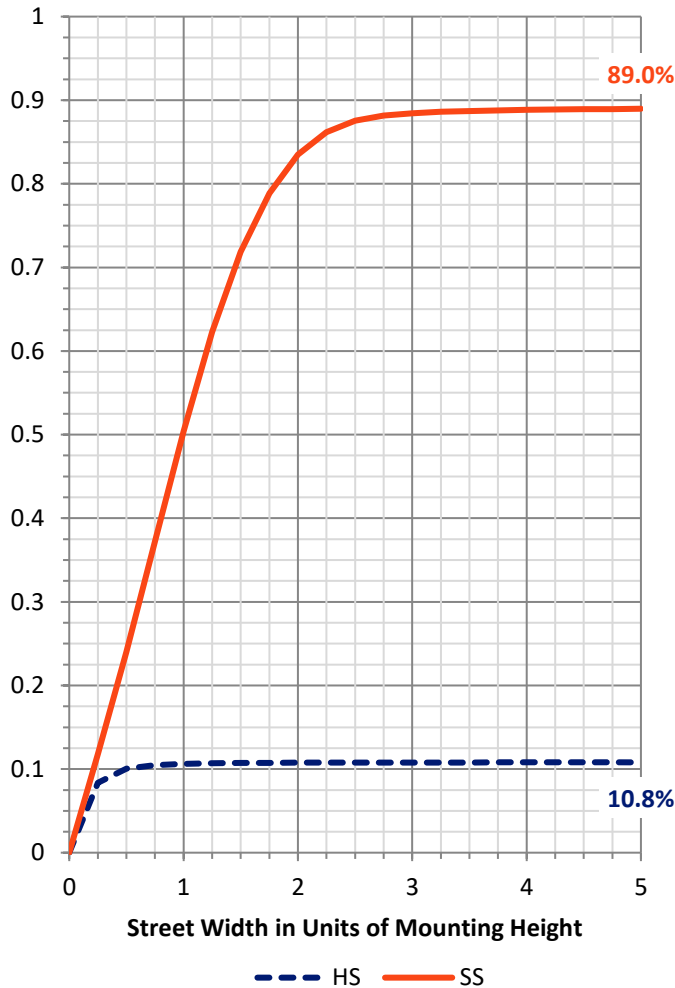
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	442.3	0.0	442.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3611.5	0.0	3611.5
	% Fixture	89.1	0.0	89.1
Total	Lumens	4053.8	0.0	4053.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.0
10°-20°	116.5	2.9
20°-30°	203.4	5.0
30°-40°	363.2	9.0
40°-50°	663.9	16.4
50°-60°	1104.1	27.2
60°-70°	1199.2	29.6
70°-80°	352.1	8.7
80°-90°	10.0	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°	4053.8	100.0
0°-180°	4053.8	100.0

Coefficient of Utilization



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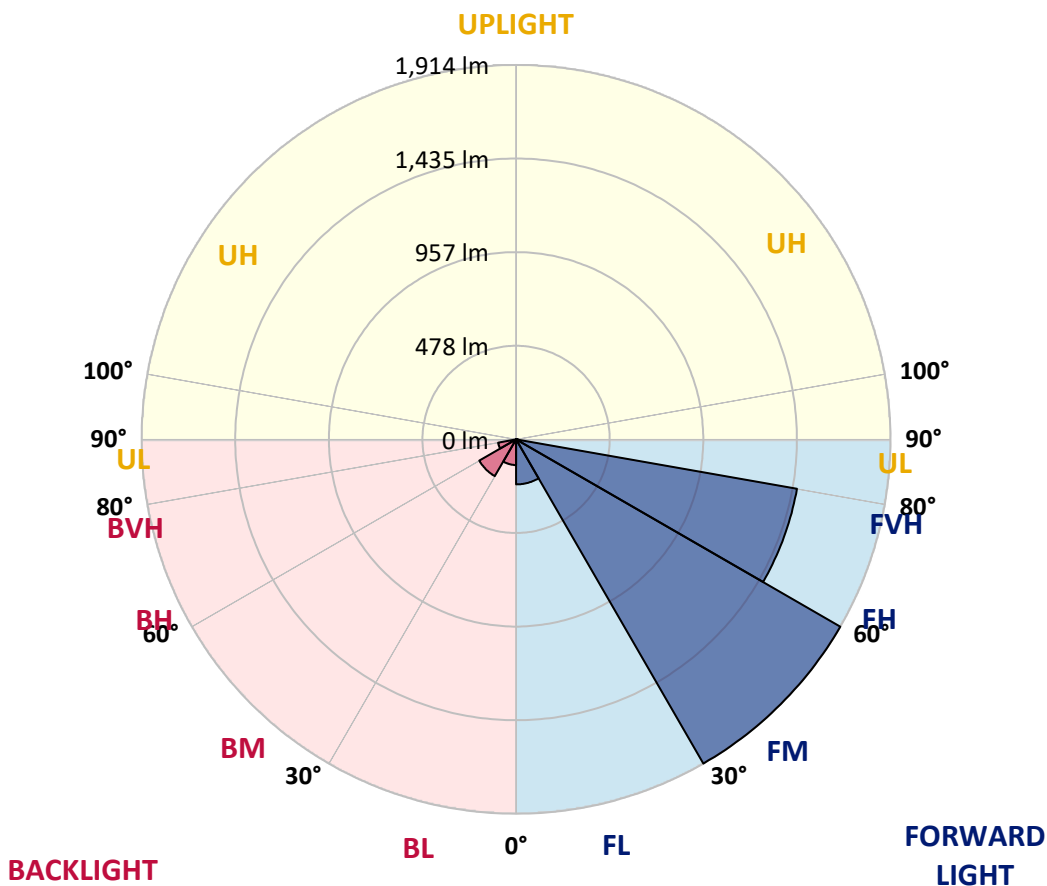
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.2	5.7			
FM (30°-60°)	1913.9	47.2			
FH (60°-80°)	1457.9	36.0			G1/1800
FVH (80°-90°)	9.5	0.2			G0/10
BL (0°-30°)	131.2	3.2	B1/500		
BM (30°-60°)	217.2	5.4	B0/220		
BH (60°-80°)	93.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7
2.5°	433.4	432.6	432.6	435.8	436.2	437.8	441.3	441.7	443.7	442.9	440.2
5°	410.9	411.3	413.6	419.2	423.9	429.9	438.6	440.6	444.9	447.3	445.7
7.5°	389.9	390.3	393.8	402.6	411.7	423.5	437.8	441.7	450.5	456.8	457.2
10°	382.0	381.6	385.1	395.0	406.9	423.5	444.1	449.3	462.3	473.4	475.4
12.5°	384.3	384.0	387.5	396.6	409.7	430.7	455.2	462.3	479.0	496.0	499.5
15°	393.8	393.5	395.8	403.3	417.6	439.4	469.5	480.1	501.1	521.7	527.2
17.5°	422.3	420.4	418.0	418.8	427.1	449.7	487.7	500.7	526.8	551.4	556.1
20°	473.0	467.9	461.5	453.2	449.3	464.7	508.6	523.7	555.3	583.4	584.2
22.5°	549.4	547.4	532.8	508.6	491.6	492.0	533.2	550.6	589.4	620.3	615.9
25°	655.9	654.7	632.1	592.6	548.2	533.2	564.4	582.3	629.8	662.6	648.8
27.5°	788.1	779.8	753.3	699.8	633.7	586.6	604.0	619.9	672.5	703.4	677.3
30°	903.3	903.7	878.7	822.9	748.5	667.0	652.3	666.2	711.7	744.2	712.5
32.5°	1014.1	1017.7	990.4	940.1	858.5	771.9	721.6	724.0	762.0	797.2	758.8
35°	1117.0	1119.8	1100.8	1058.0	982.0	881.5	818.2	817.0	837.6	873.6	823.3
37.5°	1232.2	1235.0	1216.4	1178.0	1106.7	1007.0	927.8	926.2	934.5	963.8	906.4
40°	1354.9	1360.1	1339.5	1307.0	1238.9	1154.6	1055.3	1041.0	1032.7	1067.1	1014.1
42.5°	1479.2	1487.1	1480.0	1447.5	1389.4	1319.7	1220.7	1198.6	1180.8	1223.9	1167.7
45°	1633.6	1643.1	1639.9	1615.0	1569.9	1513.2	1419.8	1394.1	1385.8	1425.8	1358.9
47.5°	1782.0	1792.3	1803.8	1798.2	1766.2	1740.1	1636.3	1621.7	1619.3	1662.1	1558.4
50°	1892.4	1901.9	1945.9	1977.6	1999.3	1993.8	1903.9	1882.2	1878.6	1905.9	1769.0
52.5°	1971.6	1980.7	2041.3	2140.2	2220.2	2263.7	2173.1	2168.3	2148.9	2139.4	1966.1
55°	2033.0	2045.6	2109.4	2259.0	2420.1	2516.7	2460.1	2443.0	2393.2	2338.5	2148.9
57.5°	2045.2	2050.4	2140.2	2342.1	2575.3	2731.6	2731.6	2701.9	2605.7	2530.1	2360.3
60°	1935.2	1951.0	2072.6	2335.4	2641.8	2872.1	2956.8	2936.2	2806.4	2713.4	2563.8
62.5°	1691.0	1708.8	1856.8	2174.3	2575.3	2901.0	3127.4	3124.3	2977.8	2865.0	2732.4
65°	1296.7	1309.8	1438.8	1818.8	2294.2	2789.8	3249.3	3258.1	3113.2	2965.1	2790.6
67.5°	651.5	660.6	800.0	1242.5	1818.4	2469.6	3241.0	3279.8	3154.3	2912.1	2568.5
70°	227.6	236.7	302.4	533.2	1106.7	1885.7	2960.8	3024.1	2912.5	2485.8	1894.8
72.5°	78.0	82.3	125.5	197.9	430.7	1117.8	2251.5	2346.9	2147.0	1668.8	1088.9
75°	44.3	47.1	67.3	107.3	180.5	367.7	1277.3	1335.9	1251.6	909.6	448.1
77.5°	30.1	32.5	42.0	61.0	99.7	118.4	520.9	655.9	572.0	296.9	114.4
80°	17.8	19.4	25.7	36.0	51.1	45.9	111.6	148.4	191.2	88.7	34.4
82.5°	8.3	9.5	16.6	23.7	25.7	19.4	32.9	40.0	53.8	43.5	14.2
85°	0.0	0.0	5.5	9.9	9.5	5.5	9.1	9.9	14.6	21.8	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	2.4	4.4	2.4
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°	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7
2.5°	443.3	440.6	443.7	442.1	443.7	443.3	440.2	438.2	438.2	434.6	433.4
5°	448.9	446.1	446.9	443.3	442.5	440.6	436.6	435.0	435.0	431.5	430.3
7.5°	461.1	456.8	456.0	448.9	445.7	440.2	433.0	430.3	429.9	426.3	425.1
10°	480.5	475.4	471.8	462.7	453.6	442.5	427.5	414.8	407.7	398.2	397.4
12.5°	504.3	498.0	492.4	478.6	463.5	438.6	394.2	347.9	319.4	296.9	298.5
15°	530.8	524.9	516.2	495.2	464.3	399.4	306.8	235.5	200.7	182.1	181.3
17.5°	559.7	551.0	536.7	508.2	439.4	305.2	199.5	140.9	122.7	116.4	114.8
20°	586.6	575.9	558.1	511.0	367.3	206.6	124.7	109.2	106.1	104.1	104.1
22.5°	615.1	601.7	575.1	489.6	273.1	132.2	106.1	102.5	100.1	97.4	97.0
25°	644.0	626.6	590.6	433.8	178.9	104.1	99.4	95.4	91.0	86.7	85.5
27.5°	668.6	646.0	602.4	350.7	114.8	93.8	90.6	83.9	78.0	73.2	72.4
30°	697.8	668.9	607.6	256.5	90.2	82.7	78.0	70.9	63.7	59.0	57.4
32.5°	737.0	705.4	599.7	167.0	80.0	72.8	65.3	57.0	49.9	44.7	43.9
35°	798.0	760.4	563.3	106.5	72.4	62.9	53.8	45.1	39.2	35.2	34.4
37.5°	872.4	837.6	503.5	80.0	64.9	54.6	43.9	35.6	31.3	28.5	27.7
40°	982.8	934.2	429.5	70.1	57.4	46.3	36.0	29.3	26.1	23.7	23.0
42.5°	1126.1	1048.2	344.4	63.7	50.3	38.8	29.3	24.1	21.4	19.8	19.4
45°	1293.6	1159.4	254.5	57.4	43.5	32.1	24.1	19.8	17.8	16.6	16.2
47.5°	1465.0	1256.8	175.7	50.7	37.2	26.5	20.2	17.0	15.4	13.9	13.5
50°	1647.8	1339.1	119.9	43.9	31.7	21.8	17.4	15.4	13.5	12.3	11.9
52.5°	1782.0	1369.6	83.5	38.0	26.9	18.6	15.4	13.9	12.3	10.7	10.3
55°	1905.9	1368.8	63.3	32.1	23.0	16.2	13.9	12.3	10.7	9.5	9.1
57.5°	2029.4	1358.1	49.9	27.3	19.8	14.6	12.3	10.7	9.9	8.3	7.9
60°	2109.4	1317.7	38.8	23.0	17.0	12.7	10.7	9.5	8.3	7.1	6.7
62.5°	2151.7	1261.5	29.7	18.2	13.9	11.1	9.5	8.3	7.1	5.9	5.5
65°	2094.3	1161.8	23.4	14.2	10.7	9.5	7.9	6.7	5.5	4.4	4.0
67.5°	1839.8	979.7	18.2	11.5	8.3	7.1	6.7	5.5	4.0	3.2	2.8
70°	1300.3	670.9	14.2	8.7	6.3	5.5	5.1	4.4	3.2	2.4	2.0
72.5°	713.7	338.4	10.3	6.3	4.7	4.4	4.0	3.6	2.8	2.0	2.0
75°	274.7	93.0	7.5	4.4	3.2	3.2	2.8	2.8	2.4	1.6	1.6
77.5°	71.6	27.7	4.7	2.8	2.0	2.0	2.0	1.6	1.6	1.2	1.2
80°	23.0	9.1	2.8	2.0	1.6	1.2	1.2	0.8	1.2	0.8	0.8
82.5°	7.5	3.2	1.6	1.6	1.2	0.8	0.8	0.4	0.4	0.0	0.0
85°	2.8	1.6	1.2	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0
87.5°	1.6	0.8	0.8	0.8	0.8	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)