

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: P630303

Luminaire Tested: GWS-SA1D-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630303
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4390.7 lumens
Efficiency: N/A
Efficacy: 99.1 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

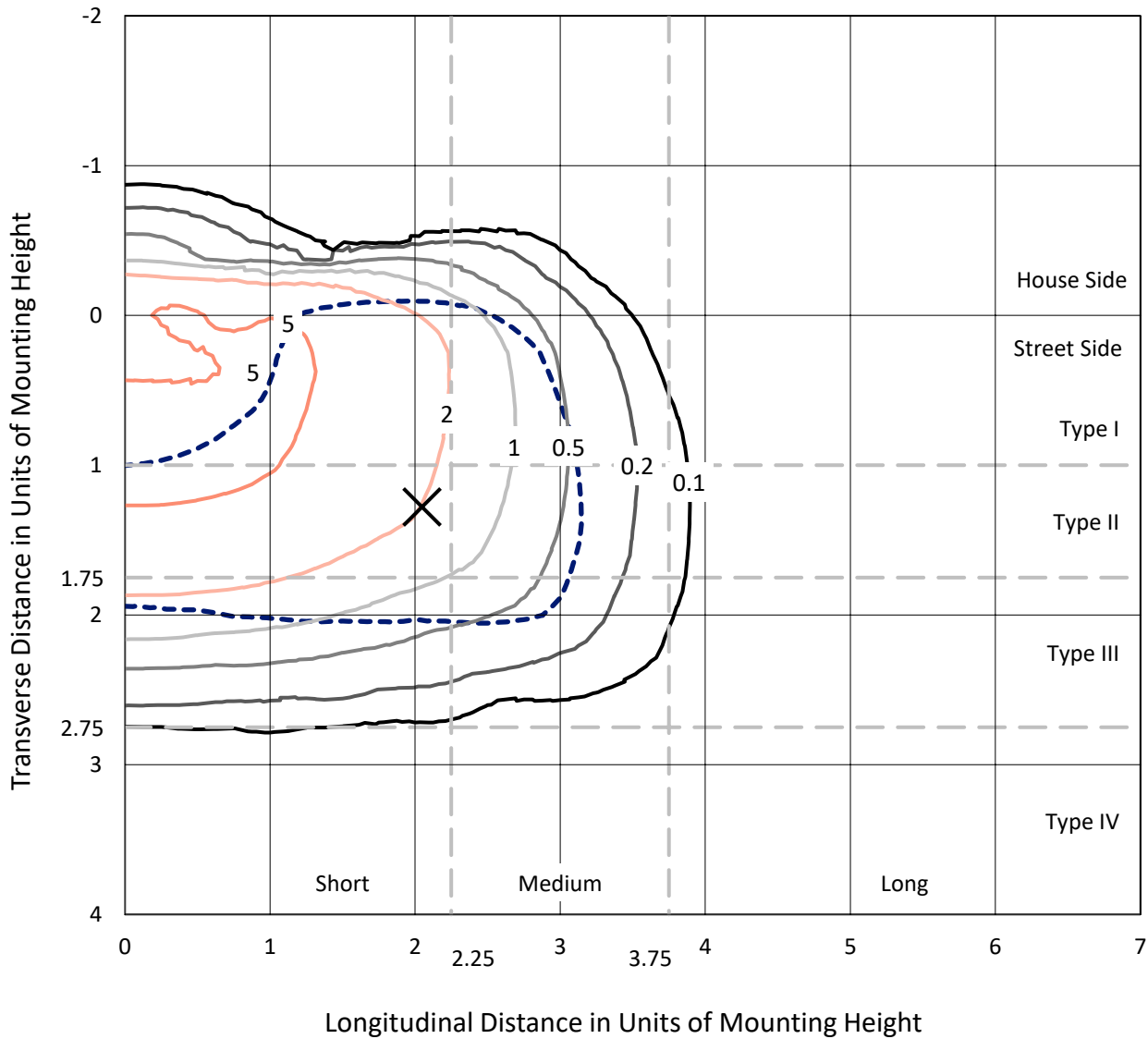
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

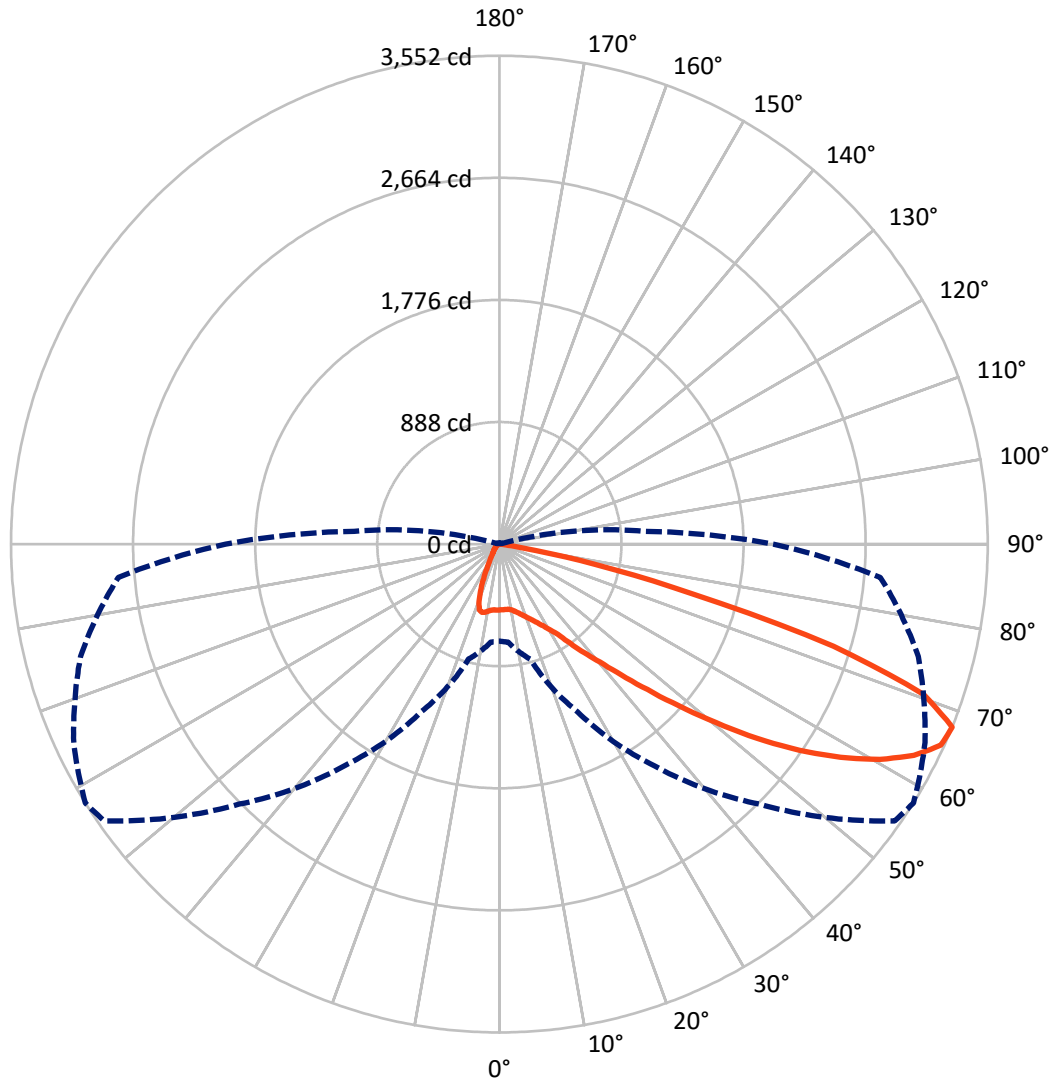
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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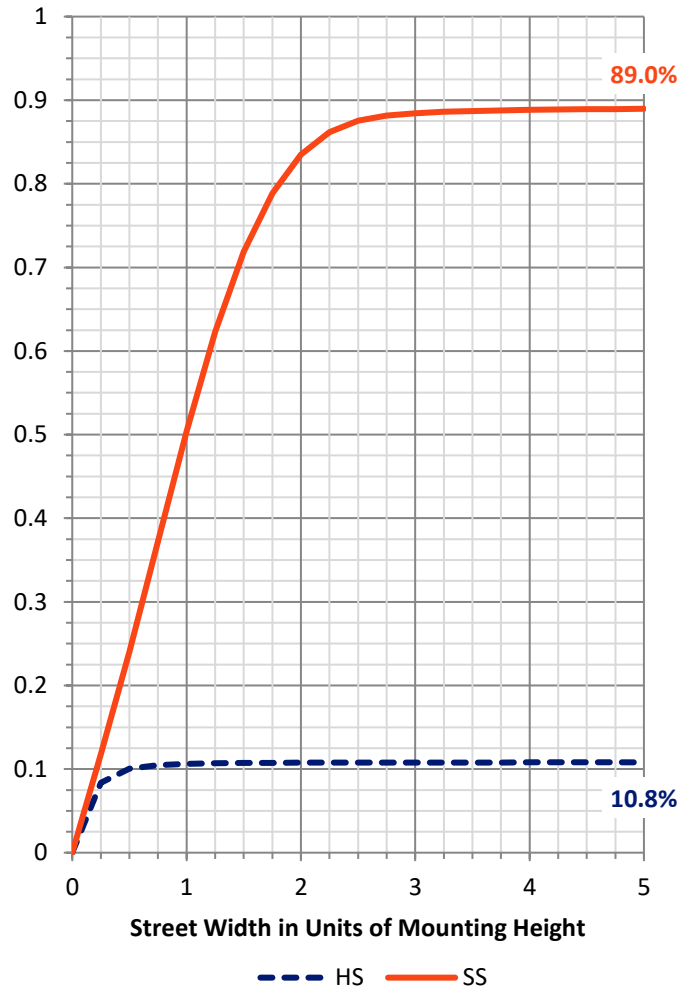
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.0	0.0	479.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3911.7	0.0	3911.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	4390.7	0.0	4390.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	1.0
10°-20°	126.2	2.9
20°-30°	220.3	5.0
30°-40°	393.4	9.0
40°-50°	719.0	16.4
50°-60°	1195.8	27.2
60°-70°	1298.9	29.6
70°-80°	381.3	8.7
80°-90°	10.9	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°	4390.7	100.0
0°-180°	4390.7	100.0

Coefficient of Utilization



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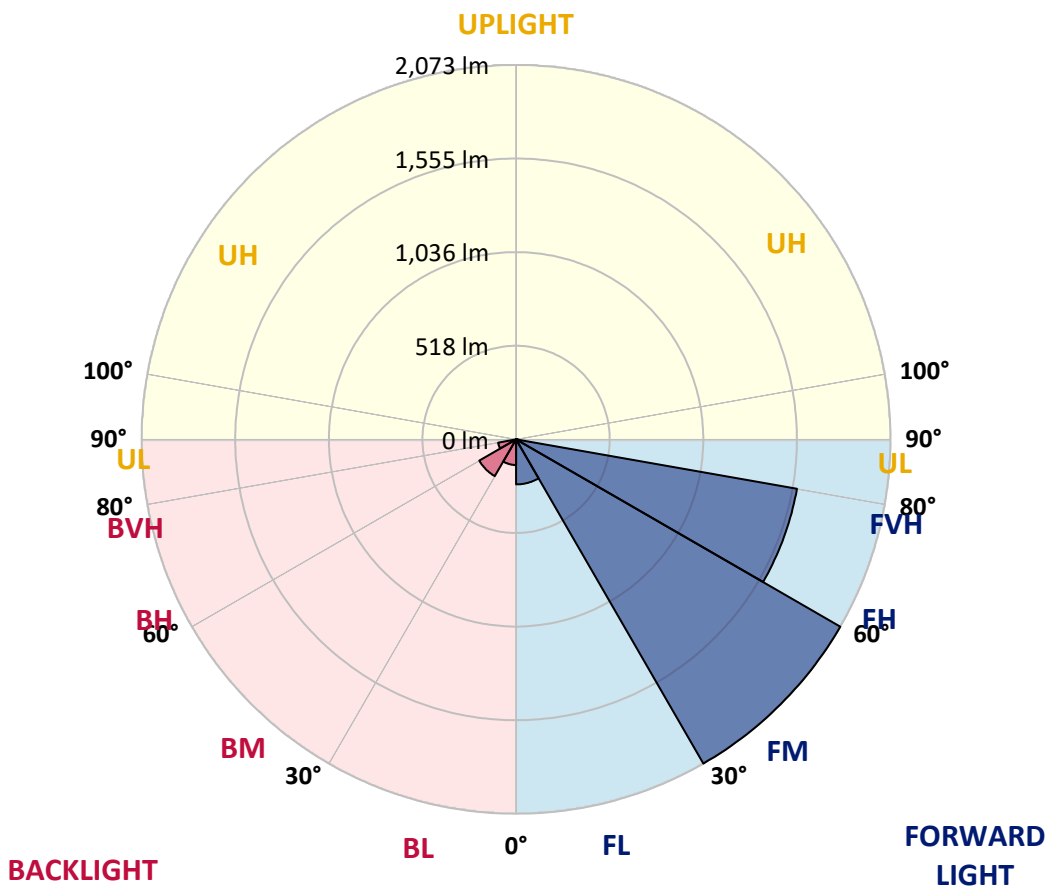
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.3	5.7			
FM (30°-60°)	2072.9	47.2			
FH (60°-80°)	1579.1	36.0			G1/1800
FVH (80°-90°)	10.3	0.2			G1/100
BL (0°-30°)	142.1	3.2	B1/500		
BM (30°-60°)	235.3	5.4	B1/1000		
BH (60°-80°)	101.1	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°	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5
2.5°	469.5	468.6	468.6	472.0	472.5	474.2	478.0	478.5	480.6	479.7	476.7
5°	445.0	445.4	448.0	454.0	459.2	465.6	475.0	477.2	481.9	484.5	482.7
7.5°	422.3	422.7	426.6	436.0	445.9	458.7	474.2	478.5	487.9	494.7	495.2
10°	413.7	413.3	417.1	427.9	440.7	458.7	481.0	486.6	500.7	512.8	514.9
12.5°	416.3	415.9	419.7	429.6	443.7	466.5	493.0	500.7	518.8	537.2	541.0
15°	426.6	426.2	428.7	436.9	452.3	475.9	508.5	520.0	542.8	565.1	571.1
17.5°	457.4	455.3	452.7	453.6	462.6	487.0	528.2	542.3	570.6	597.2	602.4
20°	512.3	506.8	499.9	490.9	486.6	503.3	550.9	567.2	601.5	631.9	632.8
22.5°	595.1	592.9	577.1	550.9	532.5	532.9	577.5	596.4	638.4	671.8	667.1
25°	710.4	709.1	684.7	641.8	593.8	577.5	611.4	630.7	682.1	717.7	702.7
27.5°	853.6	844.6	815.9	758.0	686.4	635.4	654.2	671.4	728.4	761.8	733.5
30°	978.3	978.8	951.8	891.3	810.7	722.4	706.5	721.5	770.8	806.0	771.7
32.5°	1098.4	1102.2	1072.7	1018.2	929.9	836.0	781.6	784.1	825.3	863.4	821.9
35°	1209.9	1212.9	1192.3	1146.0	1063.7	954.8	886.2	884.9	907.2	946.2	891.7
37.5°	1334.6	1337.6	1317.5	1275.9	1198.7	1090.7	1004.9	1003.2	1012.2	1043.9	981.8
40°	1467.5	1473.1	1450.8	1415.6	1341.9	1250.6	1143.0	1127.5	1118.5	1155.8	1098.4
42.5°	1602.1	1610.7	1603.0	1567.8	1504.8	1429.4	1322.2	1298.2	1278.9	1325.6	1264.7
45°	1769.3	1779.6	1776.2	1749.2	1700.3	1639.0	1537.8	1510.0	1501.0	1544.3	1471.8
47.5°	1930.1	1941.3	1953.7	1947.7	1913.0	1884.7	1772.3	1756.5	1753.9	1800.2	1687.9
50°	2049.7	2060.0	2107.6	2141.9	2165.5	2159.5	2062.2	2038.6	2034.7	2064.3	1916.0
52.5°	2135.5	2145.3	2210.9	2318.1	2404.7	2451.9	2353.7	2348.5	2327.5	2317.2	2129.5
55°	2201.9	2215.6	2284.7	2446.7	2621.2	2725.8	2664.5	2646.1	2592.1	2532.9	2327.5
57.5°	2215.2	2220.8	2318.1	2536.8	2789.3	2958.6	2958.6	2926.5	2822.3	2740.4	2556.5
60°	2096.0	2113.2	2244.8	2529.5	2861.3	3110.8	3202.6	3180.3	3039.6	2938.9	2776.8
62.5°	1831.5	1850.8	2011.1	2355.0	2789.3	3142.1	3387.3	3383.9	3225.3	3103.1	2959.5
65°	1404.5	1418.6	1558.4	1970.0	2484.9	3021.6	3519.4	3528.8	3371.9	3211.6	3022.5
67.5°	705.7	715.5	866.4	1345.8	1969.6	2674.8	3510.4	3552.4	3416.5	3154.1	2782.0
70°	246.5	256.4	327.5	577.5	1198.7	2042.4	3206.8	3275.4	3154.5	2692.4	2052.3
72.5°	84.5	89.2	135.9	214.4	466.5	1210.7	2438.6	2541.9	2325.4	1807.5	1179.4
75°	48.0	51.0	72.9	116.2	195.5	398.3	1383.5	1446.9	1355.6	985.2	485.3
77.5°	32.6	35.2	45.4	66.0	108.0	128.2	564.2	710.4	619.5	321.5	123.9
80°	19.3	21.0	27.9	39.0	55.3	49.7	120.9	160.8	207.1	96.0	37.3
82.5°	9.0	10.3	18.0	25.7	27.9	21.0	35.6	43.3	58.3	47.2	15.4
85°	0.0	0.0	6.0	10.7	10.3	6.0	9.9	10.7	15.9	23.6	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	2.6	4.7	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°	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5	478.5
2.5°	480.2	477.2	480.6	478.9	480.6	480.2	476.7	474.6	474.6	470.7	469.5
5°	486.2	483.2	484.0	480.2	479.3	477.2	472.9	471.2	471.2	467.3	466.0
7.5°	499.5	494.7	493.9	486.2	482.7	476.7	469.0	466.0	465.6	461.7	460.4
10°	520.5	514.9	511.0	501.2	491.3	479.3	463.0	449.3	441.6	431.3	430.4
12.5°	546.2	539.3	533.3	518.3	502.0	475.0	427.0	376.8	346.0	321.5	323.3
15°	574.9	568.5	559.1	536.3	502.9	432.6	332.3	255.1	217.4	197.2	196.4
17.5°	606.2	596.8	581.3	550.5	475.9	330.5	216.1	152.6	132.9	126.0	124.3
20°	635.4	623.8	604.5	553.5	397.9	223.8	135.0	118.3	114.9	112.8	112.8
22.5°	666.2	651.7	622.9	530.3	295.8	143.2	114.9	111.0	108.5	105.5	105.0
25°	697.5	678.7	639.7	469.9	193.8	112.8	107.6	103.3	98.6	93.9	92.6
27.5°	724.1	699.7	652.5	379.8	124.3	101.6	98.2	90.9	84.5	79.3	78.5
30°	755.8	724.5	658.1	277.8	97.7	89.6	84.5	76.7	69.0	63.9	62.2
32.5°	798.3	764.0	649.5	180.9	86.6	78.9	70.7	61.7	54.0	48.4	47.6
35°	864.3	823.6	610.1	115.3	78.5	68.2	58.3	48.9	42.4	38.2	37.3
37.5°	944.9	907.2	545.3	86.6	70.3	59.2	47.6	38.6	33.9	30.9	30.0
40°	1064.5	1011.8	465.2	75.9	62.2	50.2	39.0	31.7	28.3	25.7	24.9
42.5°	1219.7	1135.3	373.0	69.0	54.4	42.0	31.7	26.2	23.2	21.4	21.0
45°	1401.1	1255.7	275.7	62.2	47.2	34.7	26.2	21.4	19.3	18.0	17.6
47.5°	1586.7	1361.2	190.4	54.9	40.3	28.7	21.9	18.4	16.7	15.0	14.6
50°	1784.8	1450.4	129.9	47.6	34.3	23.6	18.9	16.7	14.6	13.3	12.9
52.5°	1930.1	1483.4	90.5	41.2	29.2	20.1	16.7	15.0	13.3	11.6	11.1
55°	2064.3	1482.5	68.6	34.7	24.9	17.6	15.0	13.3	11.6	10.3	9.9
57.5°	2198.1	1470.9	54.0	29.6	21.4	15.9	13.3	11.6	10.7	9.0	8.6
60°	2284.7	1427.2	42.0	24.9	18.4	13.7	11.6	10.3	9.0	7.7	7.3
62.5°	2330.5	1366.3	32.2	19.7	15.0	12.0	10.3	9.0	7.7	6.4	6.0
65°	2268.4	1258.3	25.3	15.4	11.6	10.3	8.6	7.3	6.0	4.7	4.3
67.5°	1992.7	1061.1	19.7	12.4	9.0	7.7	7.3	6.0	4.3	3.4	3.0
70°	1408.4	726.7	15.4	9.4	6.9	6.0	5.6	4.7	3.4	2.6	2.1
72.5°	773.0	366.6	11.1	6.9	5.1	4.7	4.3	3.9	3.0	2.1	2.1
75°	297.5	100.7	8.1	4.7	3.4	3.4	3.0	3.0	2.6	1.7	1.7
77.5°	77.6	30.0	5.1	3.0	2.1	2.1	2.1	1.7	1.7	1.3	1.3
80°	24.9	9.9	3.0	2.1	1.7	1.3	1.3	0.9	1.3	0.9	0.9
82.5°	8.1	3.4	1.7	1.7	1.3	0.9	0.9	0.4	0.4	0.0	0.0
85°	3.0	1.7	1.3	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0
87.5°	1.7	0.9	0.9	0.9	0.9	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)