

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: P629810

Luminaire Tested: GWS-SA1C-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629810
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-SA1C-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: 3480.4 lumens
Efficiency: N/A
Efficacy: 102.1 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

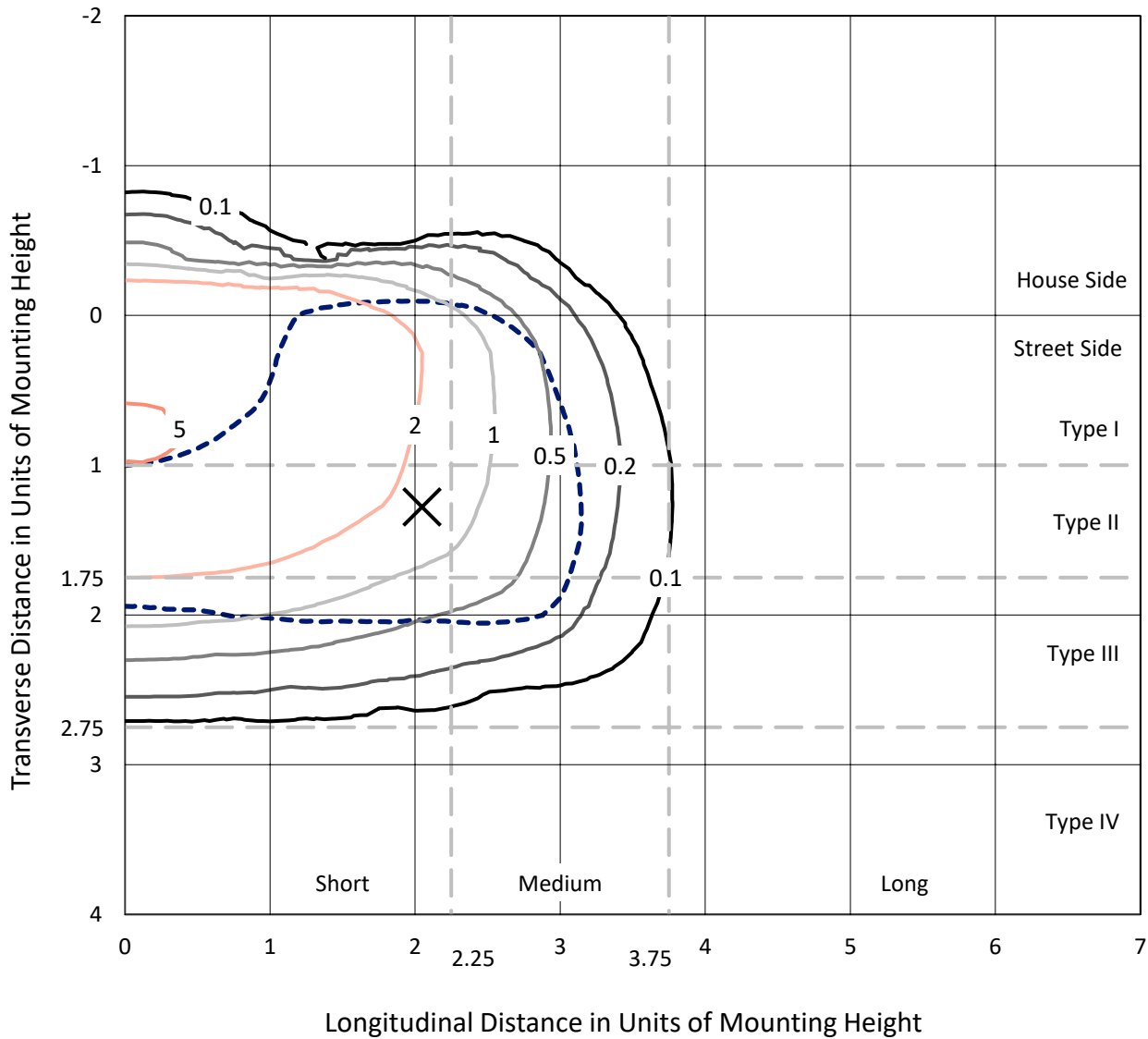
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

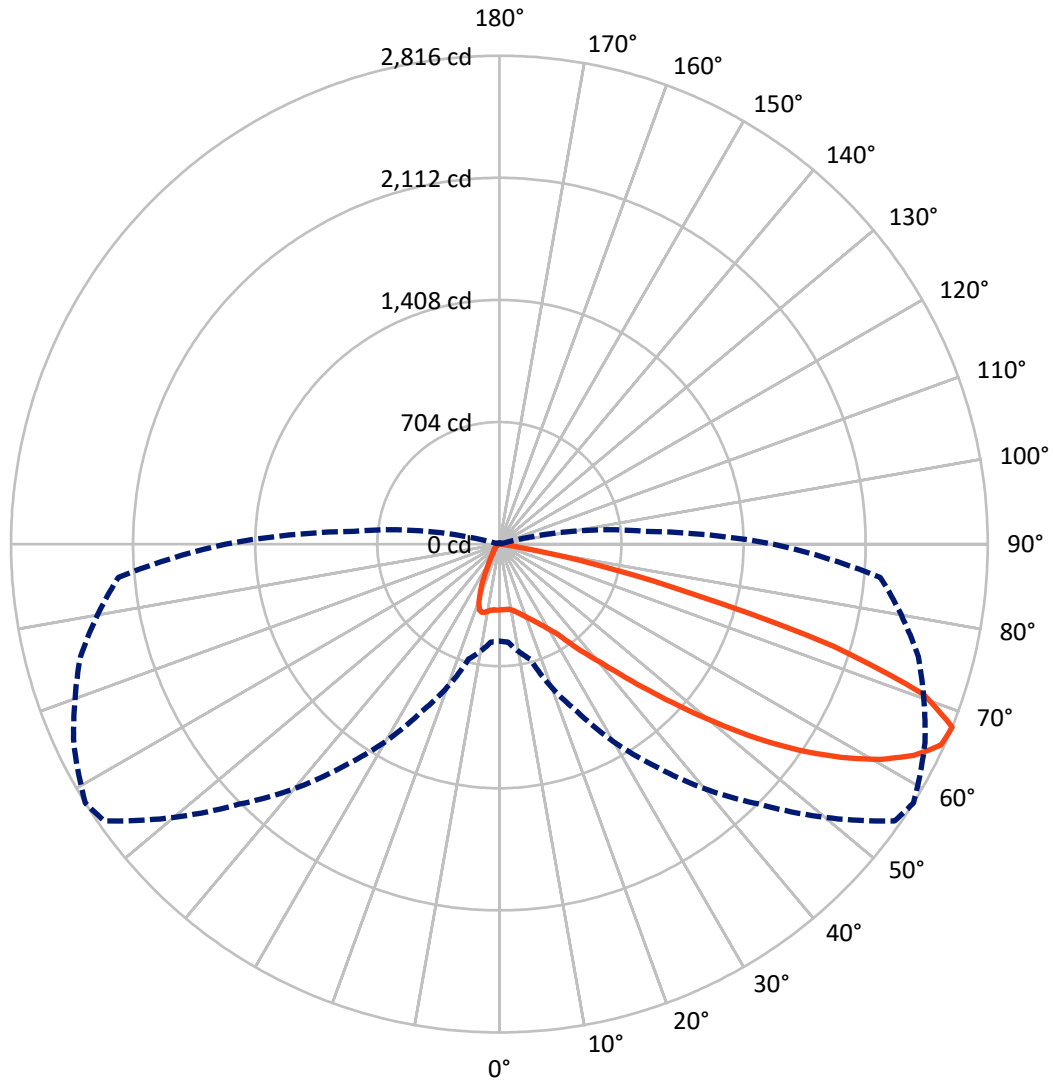
✕ Max cd
 - - - 1/2 Max cd



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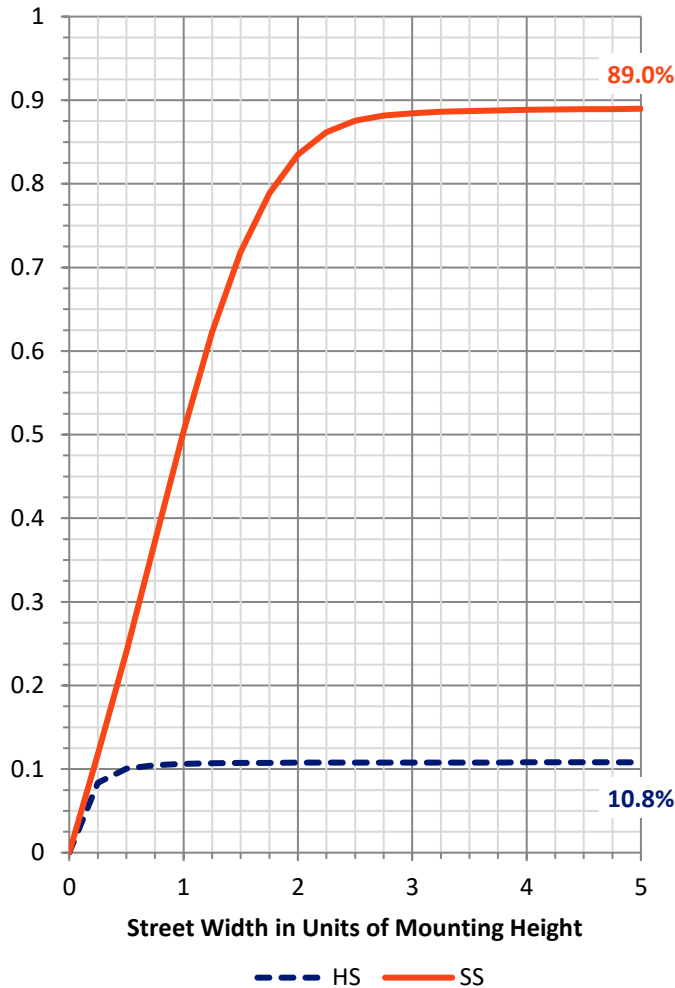
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	379.7	0.0	379.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3100.7	0.0	3100.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	3480.4	0.0	3480.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	1.0
10°-20°	100.0	2.9
20°-30°	174.6	5.0
30°-40°	311.8	9.0
40°-50°	570.0	16.4
50°-60°	947.9	27.2
60°-70°	1029.6	29.6
70°-80°	302.3	8.7
80°-90°	8.6	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°	3480.4	100.0
0°-180°	3480.4	100.0

Coefficient of Utilization



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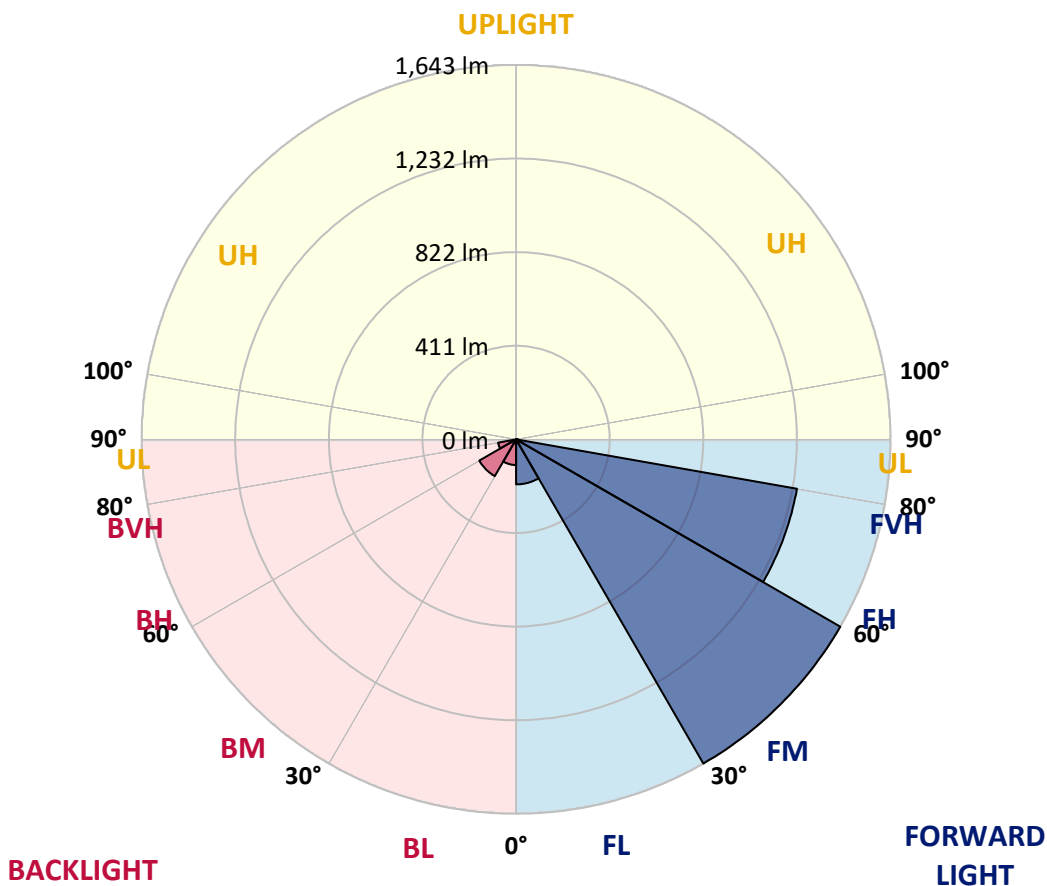
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.6	5.7			
FM (30°-60°)	1643.2	47.2			
FH (60°-80°)	1251.7	36.0			G1/1800
FVH (80°-90°)	8.2	0.2			G0/10
BL (0°-30°)	112.6	3.2	B1/500		
BM (30°-60°)	186.5	5.4	B0/220		
BH (60°-80°)	80.2	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3
2.5°	372.1	371.4	371.4	374.2	374.5	375.9	378.9	379.3	381.0	380.3	377.9
5°	352.8	353.1	355.1	359.9	364.0	369.1	376.5	378.2	382.0	384.0	382.7
7.5°	334.7	335.1	338.1	345.6	353.4	363.6	375.9	379.3	386.7	392.2	392.5
10°	327.9	327.6	330.7	339.2	349.4	363.6	381.3	385.7	396.9	406.4	408.1
12.5°	330.0	329.6	332.7	340.5	351.7	369.7	390.8	396.9	411.2	425.8	428.9
15°	338.1	337.8	339.8	346.3	358.5	377.2	403.0	412.2	430.2	447.9	452.7
17.5°	362.6	360.9	358.9	359.5	366.7	386.1	418.7	429.9	452.3	473.4	477.5
20°	406.1	401.7	396.3	389.1	385.7	399.0	436.7	449.6	476.8	500.9	501.6
22.5°	471.7	470.0	457.4	436.7	422.1	422.4	457.8	472.7	506.0	532.5	528.8
25°	563.1	562.1	542.7	508.7	470.7	457.8	484.6	499.9	540.7	568.9	557.0
27.5°	676.6	669.5	646.7	600.8	544.1	503.6	518.6	532.2	577.4	603.9	581.5
30°	775.5	775.9	754.4	706.5	642.6	572.6	560.1	571.9	611.0	638.9	611.7
32.5°	870.7	873.7	850.3	807.1	737.1	662.7	619.5	621.6	654.2	684.4	651.5
35°	959.0	961.4	945.1	908.4	843.1	756.8	702.4	701.4	719.1	750.0	706.9
37.5°	1057.9	1060.3	1044.3	1011.4	950.2	864.5	796.6	795.2	802.4	827.5	778.2
40°	1163.3	1167.7	1150.0	1122.1	1063.7	991.3	906.0	893.8	886.6	916.2	870.7
42.5°	1270.0	1276.8	1270.7	1242.8	1192.8	1133.0	1048.1	1029.0	1013.7	1050.8	1002.5
45°	1402.5	1410.7	1408.0	1386.5	1347.8	1299.2	1219.0	1196.9	1189.8	1224.1	1166.7
47.5°	1530.0	1538.8	1548.6	1543.9	1516.4	1493.9	1404.9	1392.3	1390.3	1427.0	1337.9
50°	1624.8	1632.9	1670.6	1697.8	1716.5	1711.8	1634.6	1615.9	1612.9	1636.3	1518.7
52.5°	1692.7	1700.6	1752.5	1837.5	1906.2	1943.5	1865.7	1861.6	1845.0	1836.8	1688.0
55°	1745.4	1756.3	1811.0	1939.5	2077.8	2160.7	2112.1	2097.5	2054.7	2007.8	1845.0
57.5°	1755.9	1760.4	1837.5	2010.8	2211.0	2345.2	2345.2	2319.7	2237.2	2172.2	2026.5
60°	1661.5	1675.1	1779.4	2005.0	2268.1	2465.9	2538.6	2520.9	2409.5	2329.6	2201.1
62.5°	1451.8	1467.1	1594.2	1866.7	2211.0	2490.7	2685.1	2682.3	2556.6	2459.8	2345.9
65°	1113.3	1124.5	1235.3	1561.6	1969.7	2395.2	2789.7	2797.2	2672.8	2545.7	2395.9
67.5°	559.4	567.2	686.8	1066.8	1561.2	2120.3	2782.6	2815.9	2708.2	2500.2	2205.2
70°	195.4	203.2	259.6	457.8	950.2	1619.0	2542.0	2596.4	2500.5	2134.2	1626.8
72.5°	66.9	70.7	107.7	169.9	369.7	959.7	1933.0	2014.9	1843.3	1432.8	934.9
75°	38.1	40.4	57.8	92.1	155.0	315.7	1096.7	1147.0	1074.6	780.9	384.7
77.5°	25.8	27.9	36.0	52.3	85.6	101.6	447.2	563.1	491.1	254.9	98.2
80°	15.3	16.7	22.1	30.9	43.8	39.4	95.8	127.4	164.1	76.1	29.6
82.5°	7.1	8.2	14.3	20.4	22.1	16.7	28.2	34.3	46.2	37.4	12.2
85°	0.0	0.0	4.8	8.5	8.2	4.8	7.8	8.5	12.6	18.7	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	2.0	3.7	2.0
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°	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3	379.3
2.5°	380.6	378.2	381.0	379.6	381.0	380.6	377.9	376.2	376.2	373.1	372.1
5°	385.4	383.0	383.7	380.6	379.9	378.2	374.8	373.5	373.5	370.4	369.4
7.5°	395.9	392.2	391.5	385.4	382.7	377.9	371.8	369.4	369.1	366.0	365.0
10°	412.6	408.1	405.1	397.3	389.5	379.9	367.0	356.2	350.0	341.9	341.2
12.5°	433.0	427.5	422.8	410.9	398.0	376.5	338.5	298.7	274.2	254.9	256.2
15°	455.7	450.6	443.1	425.1	398.6	342.9	263.4	202.2	172.3	156.3	155.6
17.5°	480.5	473.1	460.8	436.4	377.2	262.0	171.3	121.0	105.3	99.9	98.6
20°	503.6	494.5	479.2	438.7	315.4	177.4	107.0	93.8	91.1	89.4	89.4
22.5°	528.1	516.6	493.8	420.4	234.5	113.5	91.1	88.0	86.0	83.6	83.3
25°	552.9	538.0	507.0	372.5	153.6	89.4	85.3	81.9	78.2	74.4	73.4
27.5°	574.0	554.6	517.2	301.1	98.6	80.5	77.8	72.0	66.9	62.9	62.2
30°	599.1	574.3	521.7	220.2	77.5	71.0	66.9	60.8	54.7	50.6	49.3
32.5°	632.8	605.6	514.9	143.4	68.6	62.5	56.1	48.9	42.8	38.4	37.7
35°	685.1	652.8	483.6	91.4	62.2	54.0	46.2	38.7	33.6	30.2	29.6
37.5°	749.0	719.1	432.3	68.6	55.7	46.9	37.7	30.6	26.8	24.5	23.8
40°	843.8	802.0	368.7	60.2	49.3	39.8	30.9	25.1	22.4	20.4	19.7
42.5°	966.8	899.9	295.7	54.7	43.2	33.3	25.1	20.7	18.4	17.0	16.7
45°	1110.6	995.4	218.5	49.3	37.4	27.5	20.7	17.0	15.3	14.3	13.9
47.5°	1257.7	1079.0	150.9	43.5	31.9	22.8	17.3	14.6	13.3	11.9	11.6
50°	1414.7	1149.7	103.0	37.7	27.2	18.7	15.0	13.3	11.6	10.5	10.2
52.5°	1530.0	1175.8	71.7	32.6	23.1	16.0	13.3	11.9	10.5	9.2	8.8
55°	1636.3	1175.2	54.4	27.5	19.7	13.9	11.9	10.5	9.2	8.2	7.8
57.5°	1742.4	1166.0	42.8	23.4	17.0	12.6	10.5	9.2	8.5	7.1	6.8
60°	1811.0	1131.3	33.3	19.7	14.6	10.9	9.2	8.2	7.1	6.1	5.8
62.5°	1847.4	1083.1	25.5	15.6	11.9	9.5	8.2	7.1	6.1	5.1	4.8
65°	1798.1	997.4	20.1	12.2	9.2	8.2	6.8	5.8	4.8	3.7	3.4
67.5°	1579.6	841.1	15.6	9.9	7.1	6.1	5.8	4.8	3.4	2.7	2.4
70°	1116.4	576.0	12.2	7.5	5.4	4.8	4.4	3.7	2.7	2.0	1.7
72.5°	612.7	290.6	8.8	5.4	4.1	3.7	3.4	3.1	2.4	1.7	1.7
75°	235.8	79.9	6.5	3.7	2.7	2.7	2.4	2.4	2.0	1.4	1.4
77.5°	61.5	23.8	4.1	2.4	1.7	1.7	1.7	1.4	1.4	1.0	1.0
80°	19.7	7.8	2.4	1.7	1.4	1.0	1.0	0.7	1.0	0.7	0.7
82.5°	6.5	2.7	1.4	1.4	1.0	0.7	0.7	0.3	0.3	0.0	0.0
85°	2.4	1.4	1.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	0.7	0.7	0.3	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)