

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: P629802

Luminaire Tested: GWS-SA1C-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3551.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

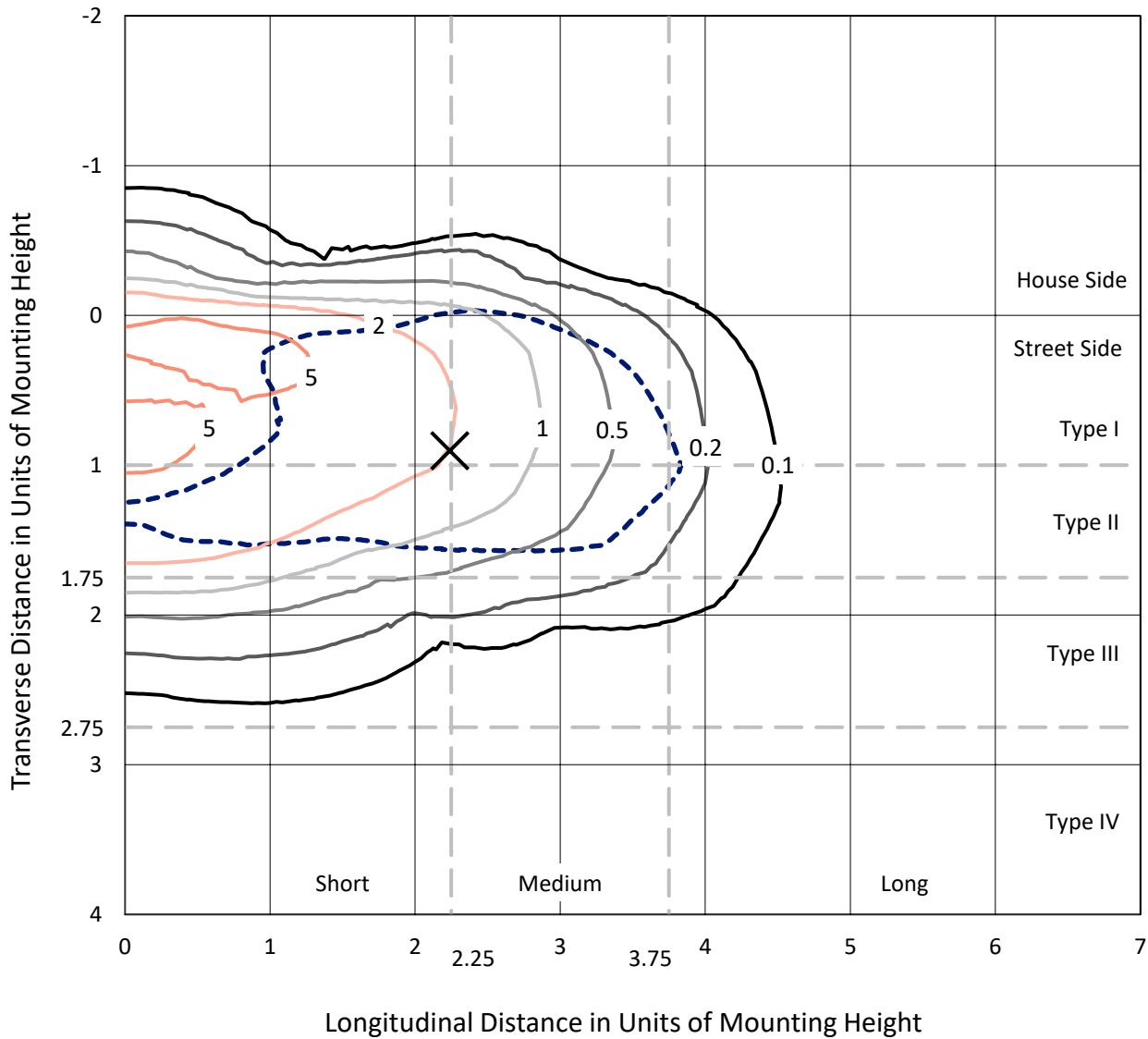
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

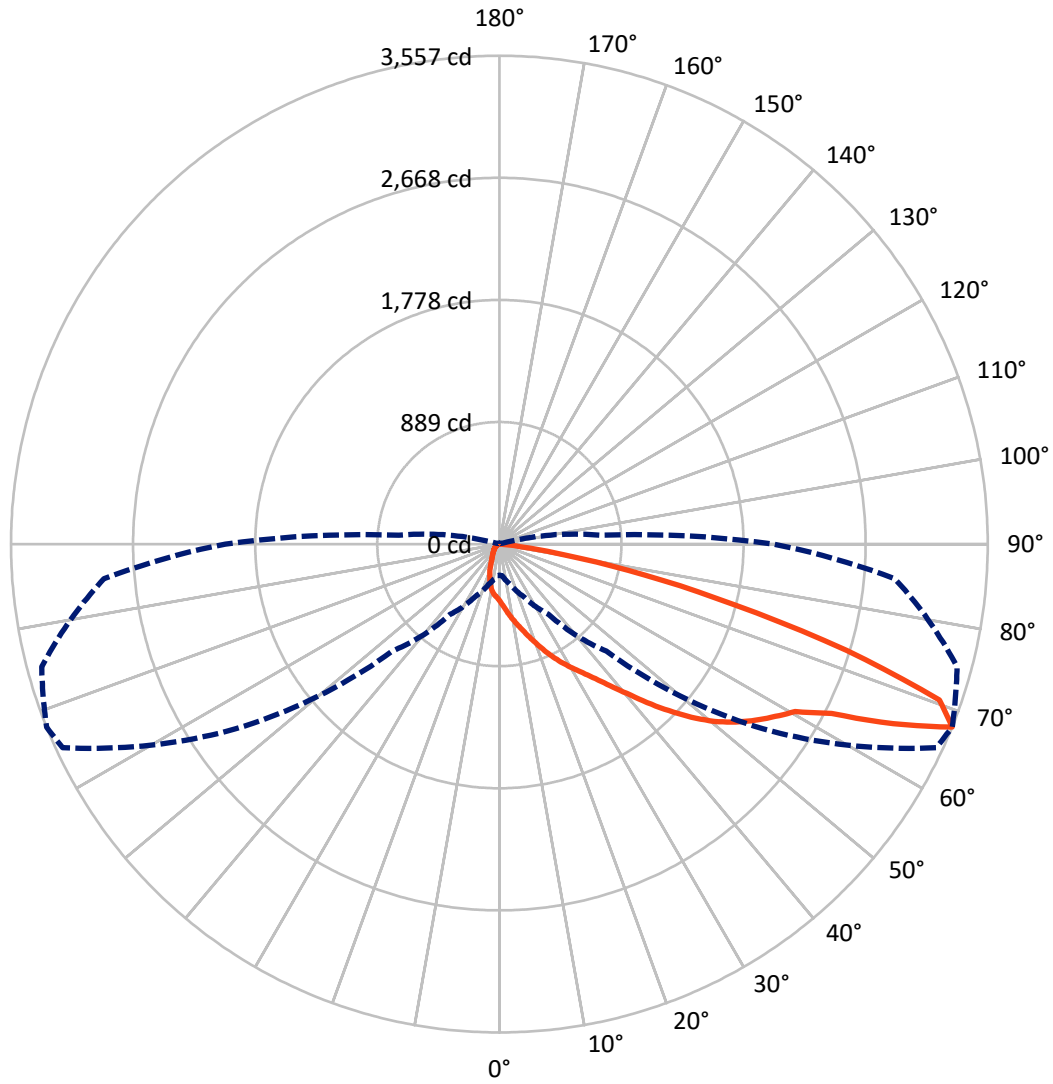
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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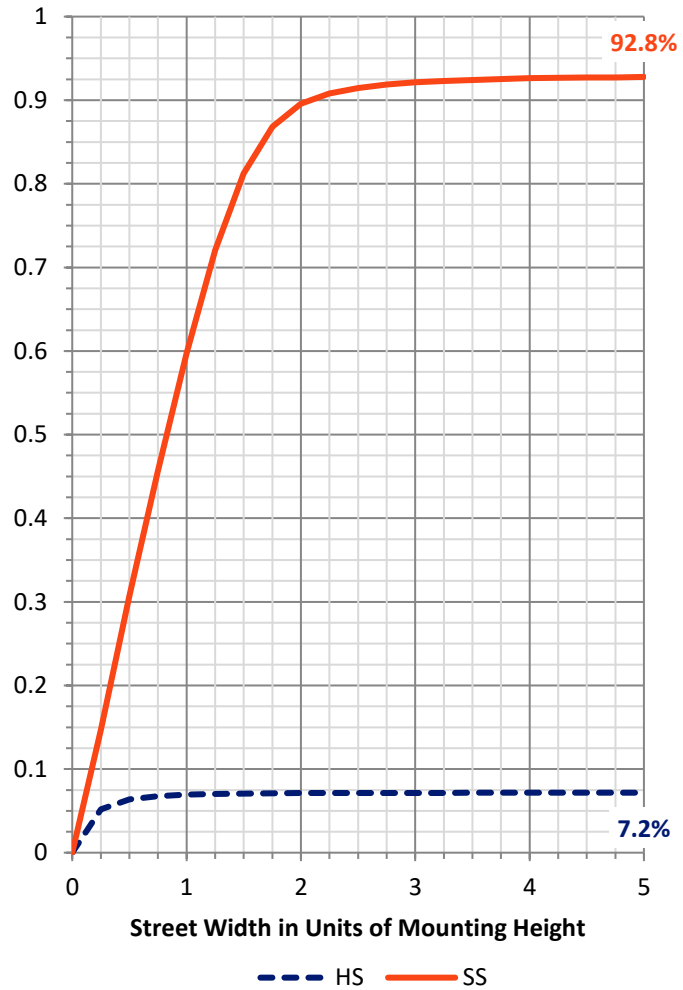
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.4	0.0	256.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	3294.7	0.0	3294.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	3551.1	0.0	3551.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	1.1
10°-20°	115.7	3.3
20°-30°	198.9	5.6
30°-40°	345.8	9.7
40°-50°	603.4	17.0
50°-60°	910.1	25.6
60°-70°	912.6	25.7
70°-80°	402.6	11.3
80°-90°	21.5	0.6
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°	3551.1	100.0
0°-180°	3551.1	100.0

Coefficient of Utilization



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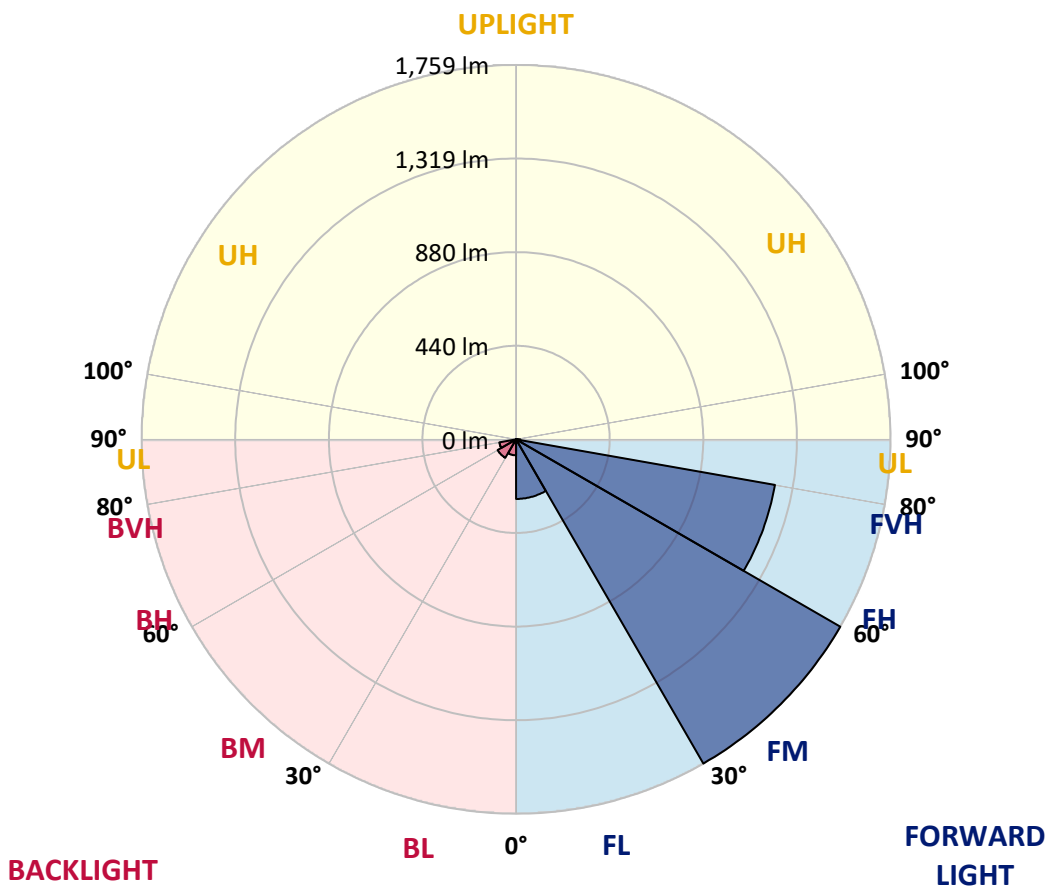
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.9	7.9			
FM (30°-60°)	1759.2	49.5			
FH (60°-80°)	1235.2	34.8			G1/1800
FVH (80°-90°)	20.3	0.6			G1/100
BL (0°-30°)	75.0	2.1	B0/110		
BM (30°-60°)	100.2	2.8	B0/220		
BH (60°-80°)	80.0	2.3	B0/110		G0/110
BVH (80°-90°)	1.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3
2.5°	481.2	484.3	481.2	481.9	473.1	469.0	460.2	447.9	444.9	437.0	425.2
5°	540.0	542.7	539.7	539.0	528.8	521.3	506.7	485.6	479.5	464.2	440.8
7.5°	572.0	573.7	574.7	576.4	572.6	566.5	553.3	527.1	520.7	495.8	462.9
10°	575.4	576.7	581.8	592.0	599.5	603.2	595.8	571.6	561.4	537.3	490.1
12.5°	565.9	567.9	576.0	593.0	613.8	632.8	637.6	616.5	607.3	576.4	522.0
15°	553.3	555.0	566.2	589.3	620.6	655.6	675.3	666.1	655.9	623.6	557.4
17.5°	533.9	536.3	551.9	583.2	623.6	673.6	716.1	719.1	712.0	677.0	596.4
20°	523.0	524.7	538.7	570.9	621.6	686.8	754.1	783.0	775.2	738.5	641.3
22.5°	532.2	533.6	542.7	567.9	614.8	694.3	789.5	846.9	842.5	804.4	688.5
25°	580.5	584.9	579.4	583.9	617.8	698.4	818.0	910.8	911.8	873.4	737.5
27.5°	678.3	672.6	659.6	637.6	641.6	709.3	842.5	971.0	979.8	940.7	781.0
30°	777.9	774.5	766.7	732.4	703.8	733.4	863.2	1032.5	1046.4	1007.0	819.7
32.5°	889.7	893.1	879.2	838.1	789.5	782.3	884.6	1090.9	1117.1	1082.1	865.3
35°	1023.3	1024.3	996.8	951.2	896.2	863.2	923.0	1155.5	1203.7	1177.9	926.1
37.5°	1153.5	1159.6	1144.6	1072.9	1024.0	963.8	986.6	1238.4	1306.4	1296.2	1002.6
40°	1268.7	1278.2	1273.4	1204.1	1139.9	1089.2	1085.1	1335.6	1430.4	1442.0	1103.5
42.5°	1360.4	1366.5	1370.3	1321.0	1264.2	1235.7	1206.8	1448.4	1576.9	1624.1	1227.2
45°	1457.3	1459.3	1467.1	1433.8	1384.2	1386.6	1350.6	1585.4	1731.2	1826.0	1369.3
47.5°	1580.6	1587.4	1583.7	1548.7	1503.8	1530.7	1499.1	1726.4	1883.4	2041.5	1514.7
50°	1730.9	1738.0	1734.6	1693.8	1643.9	1655.1	1635.4	1863.4	2030.3	2244.7	1635.7
52.5°	1808.3	1814.1	1856.3	1874.6	1848.4	1777.1	1751.6	2014.0	2154.3	2411.9	1746.8
55°	1771.0	1775.0	1866.8	1944.3	2040.1	1968.8	1868.5	2130.2	2263.7	2542.4	1829.4
57.5°	1616.0	1638.1	1762.8	1894.0	2095.5	2158.0	2058.1	2256.6	2369.1	2633.2	1910.6
60°	1298.2	1297.2	1476.0	1711.5	1987.4	2210.0	2325.9	2427.5	2474.8	2702.8	2019.4
62.5°	717.4	723.9	961.8	1272.1	1687.0	2075.5	2526.8	2722.9	2715.7	2824.5	2189.7
65°	357.2	370.1	499.2	728.6	1122.5	1715.2	2561.5	3173.5	3153.1	3111.0	2541.4
67.5°	226.7	231.8	303.1	423.5	624.0	1102.5	2345.6	3509.6	3556.9	3450.8	2890.4
70°	146.8	155.3	210.7	289.6	376.6	568.2	1718.3	3291.8	3400.2	3413.5	2672.9
72.5°	79.9	86.0	134.6	206.6	271.9	284.1	965.2	2470.4	2644.7	2895.5	2091.1
75°	45.5	50.0	73.7	140.4	199.5	173.0	427.9	1653.7	1764.8	2069.3	1498.4
77.5°	27.5	31.3	41.5	68.3	125.1	115.5	161.8	1006.6	1077.3	1234.7	786.4
80°	12.6	15.0	26.2	37.7	68.3	54.7	61.9	469.3	484.6	506.7	260.3
82.5°	5.8	6.8	11.9	22.4	38.7	31.6	23.8	108.4	152.6	144.4	66.3
85°	0.7	0.7	4.4	9.2	10.9	8.2	9.9	24.5	30.9	43.5	19.0
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	2.0	3.1	4.4	7.1	4.8
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°	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3
2.5°	419.7	410.2	401.7	389.1	380.6	371.1	364.7	356.8	353.8	351.4	348.0
5°	429.2	413.9	393.2	370.1	351.1	333.1	316.4	305.5	296.0	294.7	289.9
7.5°	444.9	422.1	387.1	349.4	317.1	287.2	263.7	244.7	235.2	232.1	226.7
10°	465.6	434.3	377.9	320.1	273.6	237.9	211.4	190.0	175.0	169.6	165.5
12.5°	488.7	445.5	363.3	284.1	231.1	190.3	156.7	133.9	124.4	121.0	117.9
15°	515.2	456.1	340.2	248.1	189.6	140.0	116.2	106.4	102.3	101.3	100.3
17.5°	540.7	462.9	312.7	210.7	145.8	108.8	97.5	93.8	92.8	91.8	91.1
20°	569.6	467.6	280.4	175.4	113.2	92.1	86.7	83.9	81.9	79.9	79.5
22.5°	599.2	467.6	245.4	140.7	94.8	82.6	76.5	71.4	67.6	65.6	64.9
25°	627.4	461.2	210.7	112.5	83.6	73.4	65.6	59.8	54.7	52.3	51.7
27.5°	647.4	444.5	180.5	95.2	75.8	65.3	55.7	49.3	45.2	42.8	42.5
30°	660.0	419.7	152.6	85.0	69.0	56.8	47.2	41.8	38.7	37.0	36.4
32.5°	669.5	389.1	127.8	77.8	62.5	49.3	41.1	36.7	34.0	32.6	32.3
35°	688.5	360.2	109.4	71.4	55.7	43.2	36.0	32.6	30.6	28.9	28.5
37.5°	715.0	336.1	94.8	65.6	49.3	38.4	32.6	29.6	27.9	26.2	25.8
40°	754.1	320.8	83.9	59.8	43.5	34.7	29.9	27.2	24.8	23.1	22.8
42.5°	814.3	313.7	76.8	54.0	38.4	31.3	27.5	24.1	21.8	20.1	19.7
45°	886.0	317.4	70.7	48.3	35.0	28.9	24.5	21.1	18.7	17.0	16.7
47.5°	962.8	330.7	65.6	42.8	31.6	26.5	21.8	18.0	16.0	14.3	13.9
50°	1043.0	352.4	61.2	37.7	28.9	23.8	18.7	15.6	13.6	12.2	11.9
52.5°	1112.7	382.0	56.8	34.0	26.5	21.1	16.3	13.6	11.6	10.2	9.9
55°	1179.3	409.9	53.4	30.6	23.8	18.4	14.3	11.6	9.9	8.5	8.2
57.5°	1251.7	439.4	49.3	27.5	21.4	16.3	12.6	9.9	8.5	7.1	6.8
60°	1357.0	483.3	43.2	25.1	18.7	14.3	10.9	8.8	7.5	5.8	5.4
62.5°	1508.9	563.1	36.4	21.8	16.0	12.2	9.2	7.5	6.1	4.8	4.1
65°	1793.0	699.1	29.9	18.0	12.9	10.2	7.8	6.1	4.8	3.4	3.1
67.5°	1997.6	734.4	24.1	14.6	10.5	7.8	6.5	4.8	3.4	2.4	2.0
70°	1746.5	527.4	18.7	11.9	8.8	6.1	5.1	3.7	2.4	1.7	1.4
72.5°	1315.9	344.6	13.9	9.2	6.8	5.1	3.7	3.1	2.0	1.4	1.0
75°	927.5	199.2	10.2	6.8	4.8	3.7	3.1	2.4	1.7	1.0	1.0
77.5°	475.5	82.2	7.1	4.8	3.4	2.4	2.0	1.4	1.4	1.0	0.7
80°	144.4	27.2	4.1	3.1	2.4	1.7	1.0	1.0	1.0	0.7	0.3
82.5°	33.0	8.8	2.4	2.4	1.7	1.4	1.0	0.3	0.3	0.0	0.0
85°	8.5	2.7	2.0	1.7	1.7	1.4	0.7	0.3	0.0	0.0	0.0
87.5°	3.1	1.7	1.7	1.7	1.4	1.0	0.7	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)