

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: P630295

Luminaire Tested: GWS-SA1D-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630295
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-SA1D-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: 4479.9 lumens
Efficiency: N/A
Efficacy: 101.1 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

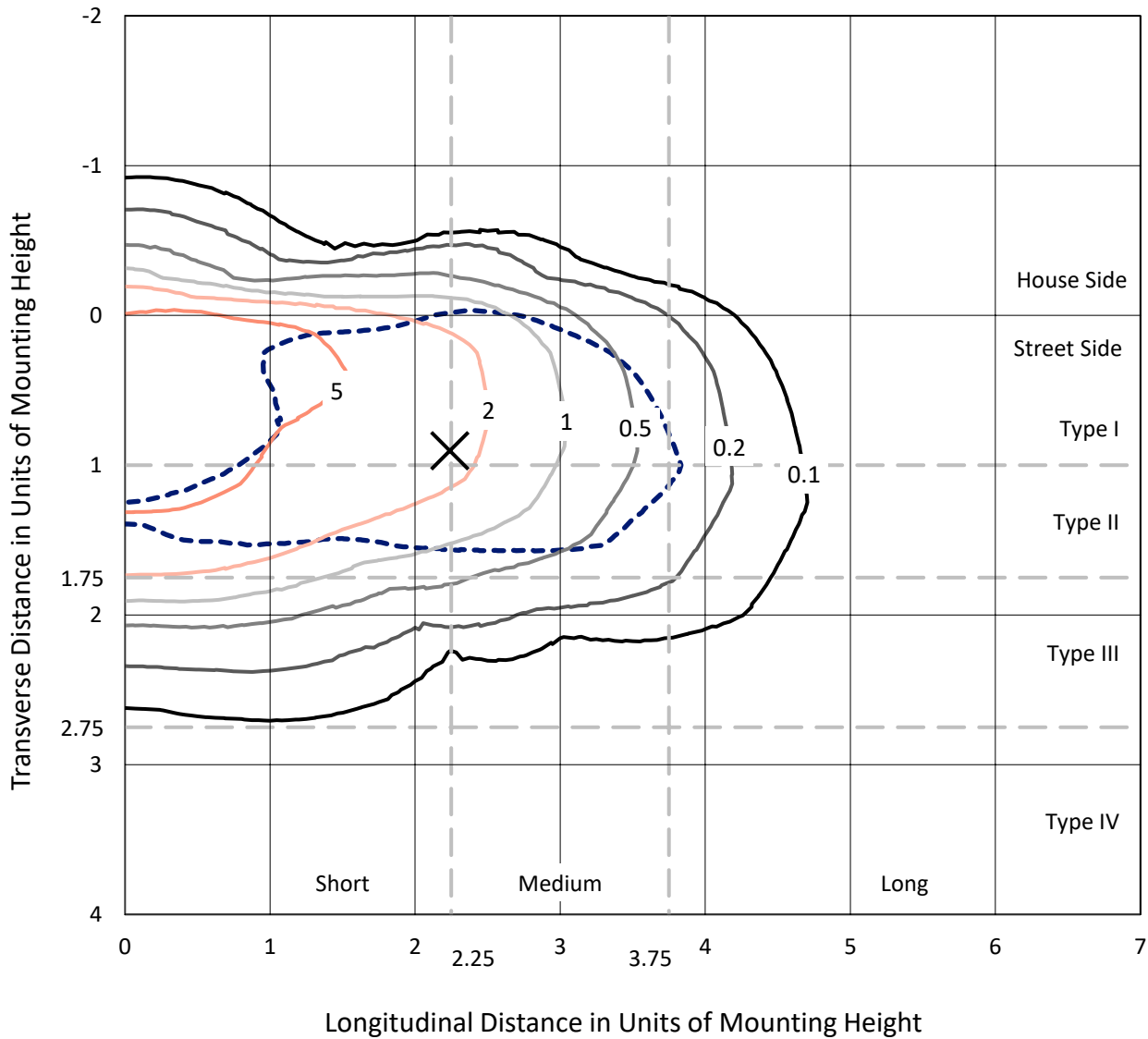
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

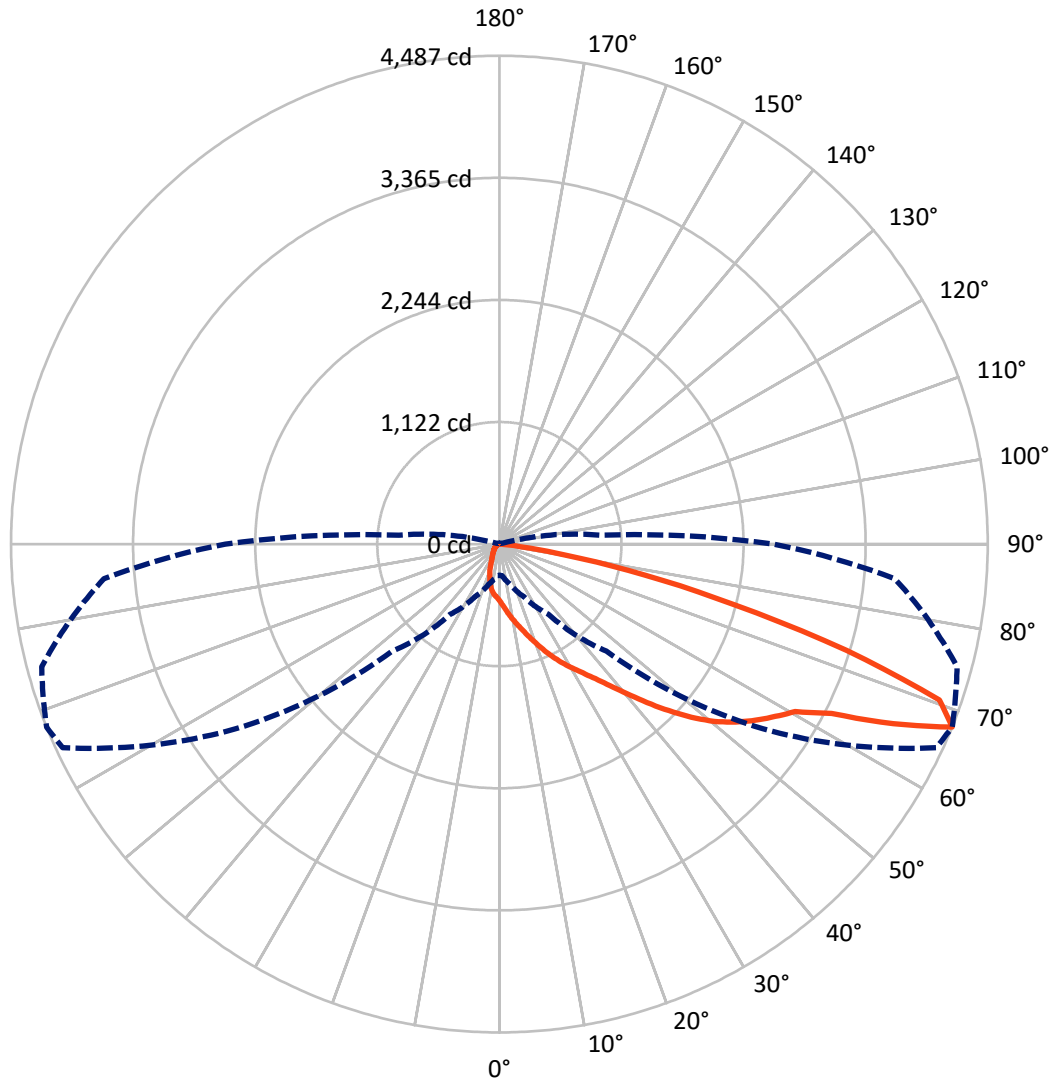
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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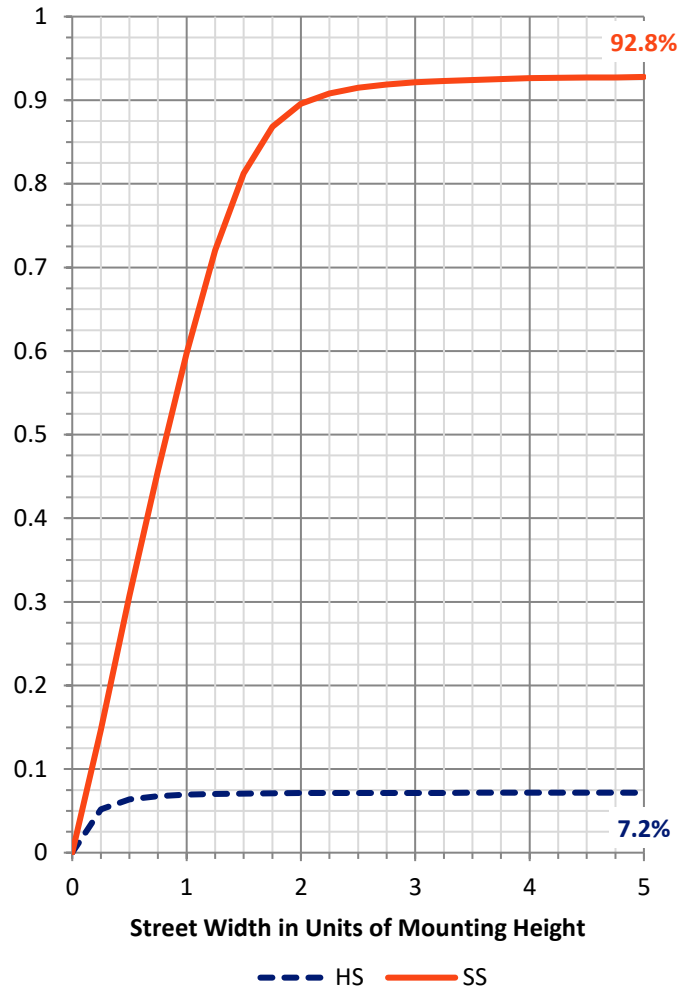
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	323.5	0.0	323.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4156.4	0.0	4156.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	4479.9	0.0	4479.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.1
10°-20°	146.0	3.3
20°-30°	250.9	5.6
30°-40°	436.3	9.7
40°-50°	761.3	17.0
50°-60°	1148.2	25.6
60°-70°	1151.3	25.7
70°-80°	508.0	11.3
80°-90°	27.1	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°	4479.9	100.0
0°-180°	4479.9	100.0

Coefficient of Utilization

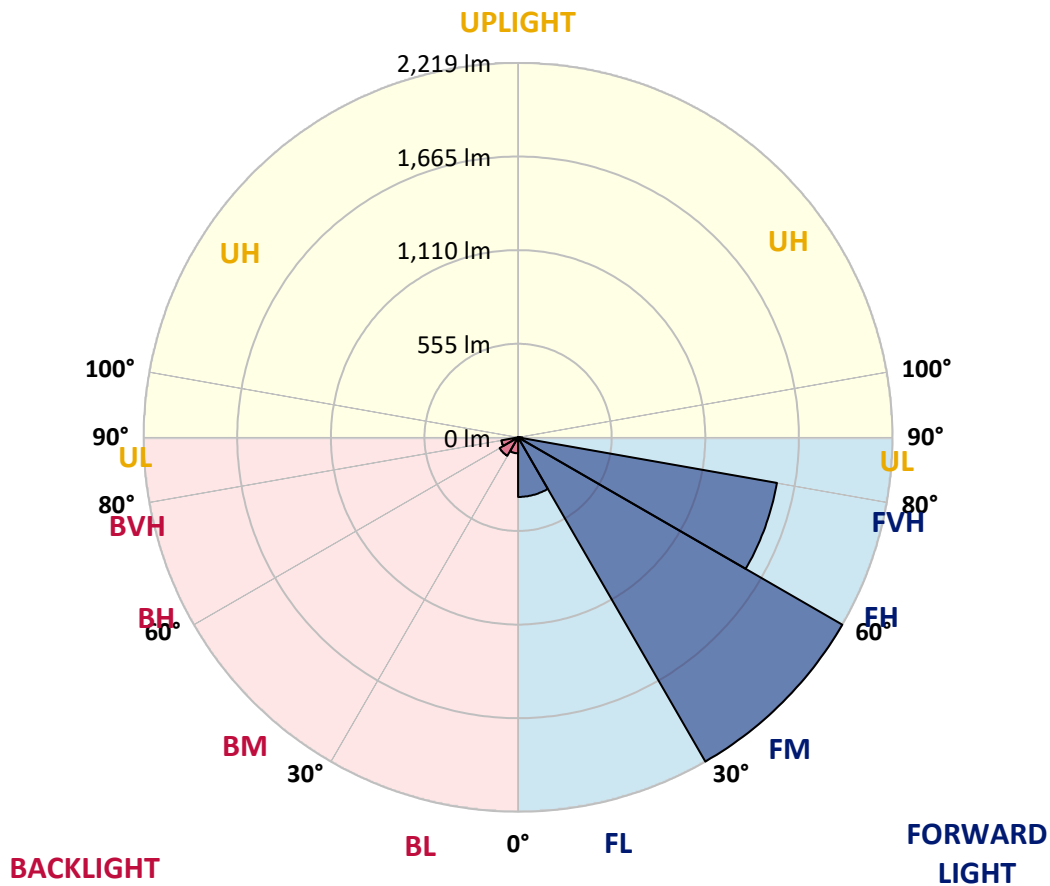


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.2	7.9			
FM (30°-60°)	2219.3	49.5			
FH (60°-80°)	1558.3	34.8			G1/1800
FVH (80°-90°)	25.6	0.6			G1/100
BL (0°-30°)	94.6	2.1	B0/110		
BM (30°-60°)	126.4	2.8	B0/220		
BH (60°-80°)	101.0	2.3	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3
2.5°	607.1	611.0	607.1	608.0	596.8	591.7	580.5	565.1	561.2	551.4	536.4
5°	681.3	684.7	680.8	680.0	667.1	657.7	639.2	612.7	605.0	585.7	556.1
7.5°	721.6	723.7	725.0	727.1	722.4	714.7	698.0	665.0	656.8	625.5	583.9
10°	725.9	727.6	734.0	746.9	756.3	761.0	751.6	721.1	708.3	677.8	618.2
12.5°	713.9	716.4	726.7	748.1	774.3	798.3	804.3	777.7	766.2	727.1	658.5
15°	698.0	700.1	714.3	743.4	782.9	827.0	851.9	840.3	827.5	786.7	703.1
17.5°	673.5	676.5	696.3	735.7	786.7	849.8	903.4	907.2	898.2	854.0	752.4
20°	659.8	662.0	679.6	720.3	784.2	866.5	951.4	987.8	978.0	931.6	809.0
22.5°	671.4	673.1	684.7	716.4	775.6	875.9	996.0	1068.4	1062.8	1014.8	868.6
25°	732.3	737.9	731.0	736.6	779.4	881.1	1032.0	1149.0	1150.3	1101.9	930.4
27.5°	855.8	848.5	832.2	804.3	809.5	894.8	1062.8	1224.9	1236.1	1186.7	985.2
30°	981.4	977.1	967.2	923.9	887.9	925.2	1089.0	1302.5	1320.1	1270.4	1034.1
32.5°	1122.4	1126.7	1109.1	1057.3	996.0	987.0	1116.0	1376.3	1409.3	1365.1	1091.6
35°	1290.9	1292.2	1257.5	1200.0	1130.6	1089.0	1164.5	1457.7	1518.6	1486.0	1168.3
37.5°	1455.1	1462.9	1444.0	1353.5	1291.8	1215.9	1244.6	1562.3	1648.1	1635.2	1264.8
40°	1600.5	1612.5	1606.5	1519.0	1438.0	1374.1	1369.0	1684.9	1804.6	1819.1	1392.1
42.5°	1716.2	1724.0	1728.7	1666.5	1594.9	1558.9	1522.5	1827.3	1989.3	2048.9	1548.2
45°	1838.4	1841.0	1850.9	1808.8	1746.3	1749.3	1703.8	2000.1	2184.0	2303.6	1727.4
47.5°	1994.1	2002.6	1997.9	1953.8	1897.2	1931.0	1891.2	2178.0	2376.1	2575.4	1910.9
50°	2183.6	2192.6	2188.3	2136.8	2073.8	2088.0	2063.1	2350.8	2561.3	2831.8	2063.5
52.5°	2281.3	2288.6	2341.8	2364.9	2331.9	2241.9	2209.7	2540.7	2717.8	3042.8	2203.7
55°	2234.2	2239.3	2355.1	2452.8	2573.7	2483.7	2357.2	2687.3	2855.8	3207.4	2307.9
57.5°	2038.7	2066.5	2223.9	2389.4	2643.6	2722.5	2596.4	2846.8	2988.7	3321.9	2410.4
60°	1637.8	1636.5	1862.0	2159.1	2507.3	2788.1	2934.3	3062.5	3122.1	3409.8	2547.6
62.5°	905.1	913.2	1213.3	1604.8	2128.3	2618.3	3187.7	3435.1	3426.1	3563.2	2762.4
65°	450.6	466.9	629.8	919.2	1416.1	2163.8	3231.4	4003.6	3977.8	3924.7	3206.1
67.5°	286.0	292.4	382.4	534.2	787.2	1390.8	2959.2	4427.6	4487.2	4353.4	3646.4
70°	185.2	195.9	265.8	365.3	475.0	716.9	2167.7	4152.8	4289.5	4306.3	3372.0
72.5°	100.8	108.5	169.8	260.7	343.0	358.4	1217.6	3116.5	3336.4	3652.9	2638.0
75°	57.5	63.0	93.0	177.1	251.7	218.2	539.8	2086.2	2226.4	2610.6	1890.3
77.5°	34.7	39.4	52.3	86.2	157.8	145.8	204.1	1269.9	1359.1	1557.6	992.1
80°	15.9	18.9	33.0	47.6	86.2	69.0	78.0	592.1	611.4	639.2	328.4
82.5°	7.3	8.6	15.0	28.3	48.9	39.9	30.0	136.8	192.5	182.2	83.6
85°	0.9	0.9	5.6	11.6	13.7	10.3	12.4	30.9	39.0	54.9	24.0
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	2.6	3.9	5.6	9.0	6.0
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°	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3
2.5°	529.5	517.5	506.8	490.9	480.2	468.2	460.0	450.2	446.3	443.3	439.0
5°	541.5	522.2	496.1	466.9	442.9	420.2	399.2	385.4	373.4	371.7	365.7
7.5°	561.2	532.5	488.3	440.7	400.0	362.3	332.7	308.7	296.7	292.8	286.0
10°	587.4	547.9	476.8	403.9	345.1	300.1	266.7	239.7	220.8	213.9	208.8
12.5°	616.5	562.1	458.3	358.4	291.5	240.1	197.6	168.9	156.9	152.6	148.8
15°	650.0	575.4	429.2	313.0	239.2	176.6	146.6	134.2	129.1	127.8	126.5
17.5°	682.1	583.9	394.4	265.8	183.9	137.2	123.0	118.3	117.0	115.8	114.9
20°	718.6	589.9	353.7	221.2	142.8	116.2	109.3	105.9	103.3	100.8	100.3
22.5°	755.9	589.9	309.5	177.5	119.6	104.2	96.5	90.0	85.3	82.7	81.9
25°	791.5	581.8	265.8	141.9	105.5	92.6	82.7	75.5	69.0	66.0	65.2
27.5°	816.7	560.8	227.7	120.0	95.6	82.3	70.3	62.2	57.0	54.0	53.6
30°	832.6	529.5	192.5	107.2	87.0	71.6	59.6	52.7	48.9	46.7	45.9
32.5°	844.6	490.9	161.2	98.2	78.9	62.2	51.9	46.3	42.9	41.2	40.7
35°	868.6	454.5	138.1	90.0	70.3	54.4	45.4	41.2	38.6	36.4	36.0
37.5°	902.1	424.0	119.6	82.7	62.2	48.4	41.2	37.3	35.2	33.0	32.6
40°	951.4	404.7	105.9	75.5	54.9	43.7	37.7	34.3	31.3	29.2	28.7
42.5°	1027.3	395.7	96.9	68.2	48.4	39.4	34.7	30.4	27.4	25.3	24.9
45°	1117.7	400.4	89.2	60.9	44.2	36.4	30.9	26.6	23.6	21.4	21.0
47.5°	1214.6	417.2	82.7	54.0	39.9	33.4	27.4	22.7	20.2	18.0	17.6
50°	1315.8	444.6	77.2	47.6	36.4	30.0	23.6	19.7	17.1	15.4	15.0
52.5°	1403.7	481.9	71.6	42.9	33.4	26.6	20.6	17.1	14.6	12.9	12.4
55°	1487.7	517.1	67.3	38.6	30.0	23.2	18.0	14.6	12.4	10.7	10.3
57.5°	1579.0	554.4	62.2	34.7	27.0	20.6	15.9	12.4	10.7	9.0	8.6
60°	1712.0	609.7	54.4	31.7	23.6	18.0	13.7	11.1	9.4	7.3	6.9
62.5°	1903.6	710.4	45.9	27.4	20.2	15.4	11.6	9.4	7.7	6.0	5.1
65°	2262.0	881.9	37.7	22.7	16.3	12.9	9.9	7.7	6.0	4.3	3.9
67.5°	2520.1	926.5	30.4	18.4	13.3	9.9	8.1	6.0	4.3	3.0	2.6
70°	2203.3	665.4	23.6	15.0	11.1	7.7	6.4	4.7	3.0	2.1	1.7
72.5°	1660.1	434.7	17.6	11.6	8.6	6.4	4.7	3.9	2.6	1.7	1.3
75°	1170.0	251.2	12.9	8.6	6.0	4.7	3.9	3.0	2.1	1.3	1.3
77.5°	599.8	103.8	9.0	6.0	4.3	3.0	2.6	1.7	1.7	1.3	0.9
80°	182.2	34.3	5.1	3.9	3.0	2.1	1.3	1.3	1.3	0.9	0.4
82.5°	41.6	11.1	3.0	3.0	2.1	1.7	1.3	0.4	0.4	0.0	0.0
85°	10.7	3.4	2.6	2.1	2.1	1.7	0.9	0.4	0.0	0.0	0.0
87.5°	3.9	2.1	2.1	2.1	1.7	1.3	0.9	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)