

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P200299

Luminaire Tested: **GAP-AF-01-LED-U-SL4-7050-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SL4-7050-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3400 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

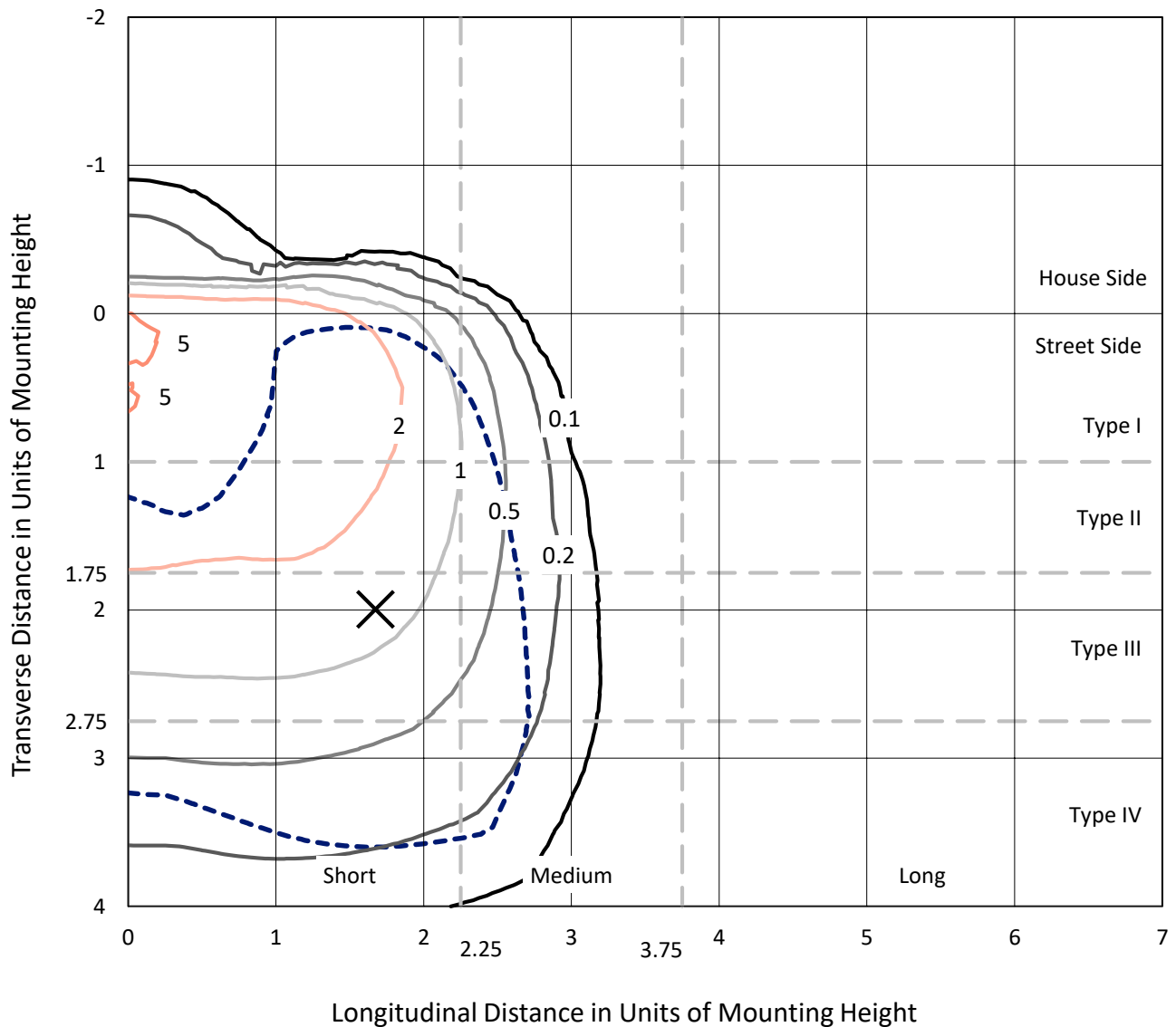


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

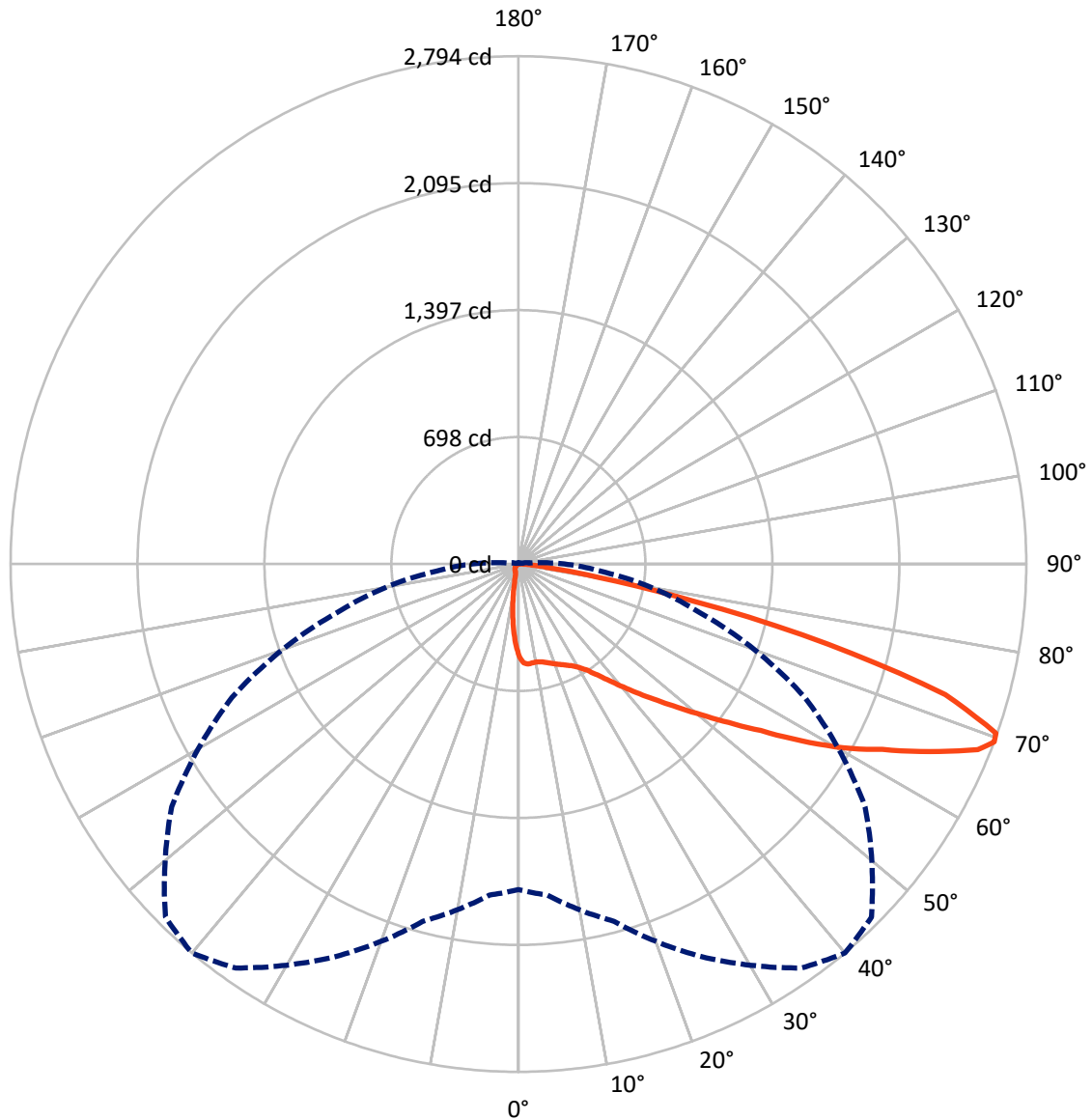


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	198.9	0.0	198.9
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	3201.1	0.0	3201.1
	% Fixture	94.1	0.0	94.1
Total	Lumens	3400.0	0.0	3400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.2
10°-20°	101.3	3.0
20°-30°	170.6	5.0
30°-40°	279.3	8.2
40°-50°	483.6	14.2
50°-60°	761.7	22.4
60°-70°	994.7	29.3
70°-80°	512.3	15.1
80°-90°	55.4	1.6
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°	3400.0	100.0
0°-180°	3400.0	100.0

Coefficient of Utilization



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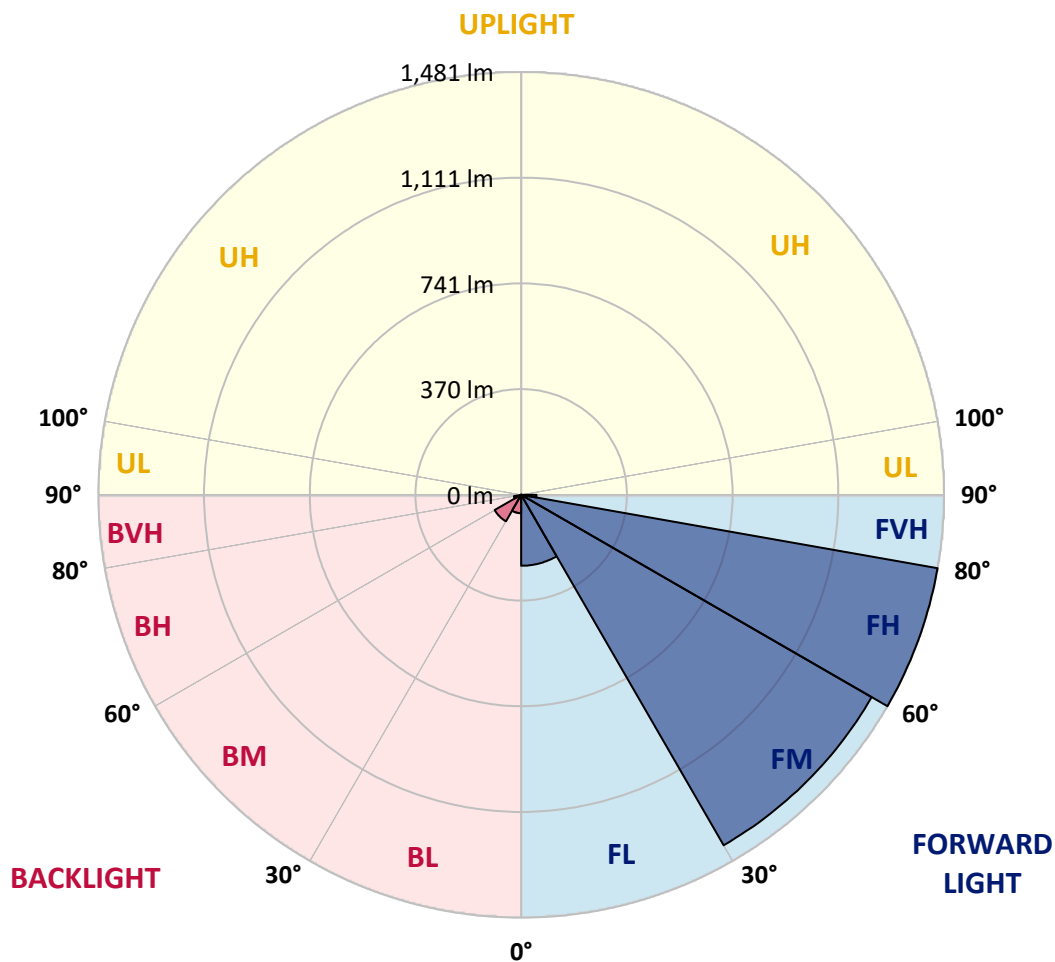
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.6	7.3			
FM	(30°-60°)	1417.6	41.7			
FH	(60°-80°)	1481.2	43.6			G1/1800
FVH	(80°-90°)	53.7	1.6			G1/100
BL	(0°-30°)	64.4	1.9	B0/110		
BM	(30°-60°)	106.9	3.1	B0/220		
BH	(60°-80°)	25.8	0.8	B0/110		G0/110
BVH	(80°-90°)	1.7	0.1			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0
2.5°	557.8	554.7	552.9	550.5	547.4	544.8	543.8	536.3	529.2	519.5	508.4
5°	568.1	567.1	563.8	560.6	557.0	552.9	550.7	541.8	531.7	517.5	498.1
7.5°	569.1	567.9	563.8	559.4	554.3	549.5	545.6	536.7	527.4	513.0	489.4
10°	567.5	566.1	563.0	558.2	551.9	547.2	543.4	534.9	527.0	514.0	487.7
12.5°	565.7	564.2	562.8	560.4	554.9	551.7	548.5	540.4	533.3	522.3	493.6
15°	567.5	566.7	568.3	567.3	564.2	561.4	558.2	550.9	544.4	535.3	504.3
17.5°	575.2	575.2	580.2	580.8	578.0	574.0	569.3	562.0	556.5	548.9	517.1
20°	593.2	592.6	599.0	600.3	593.4	587.1	580.2	571.3	567.1	562.2	529.6
22.5°	624.1	621.3	625.2	623.9	610.4	600.7	592.2	581.2	579.0	576.8	543.6
25°	664.4	662.8	665.4	653.5	629.6	616.5	606.3	594.0	594.0	596.2	559.4
27.5°	722.9	716.8	707.9	686.9	651.1	634.3	623.3	610.2	613.6	621.9	580.2
30°	782.8	776.1	755.7	723.3	677.2	659.6	646.8	633.0	641.1	656.3	608.2
32.5°	841.9	834.4	805.5	764.6	714.6	697.0	684.7	669.5	683.0	708.5	649.0
35°	899.2	892.5	859.1	810.9	764.4	749.8	738.5	725.3	742.7	778.4	706.7
37.5°	963.5	956.3	915.6	863.4	824.9	814.4	806.1	792.9	823.3	875.5	787.1
40°	1042.7	1030.3	975.5	923.5	894.9	889.9	884.2	882.4	929.5	1001.8	894.1
42.5°	1133.3	1113.1	1038.2	986.8	971.8	975.5	974.1	982.2	1062.5	1158.8	1024.5
45°	1224.0	1197.9	1108.0	1054.4	1056.4	1069.2	1077.1	1109.5	1229.1	1339.0	1164.7
47.5°	1300.9	1275.2	1175.0	1127.5	1151.8	1176.8	1198.3	1259.6	1400.3	1516.2	1273.8
50°	1366.7	1342.4	1246.1	1207.8	1262.5	1302.9	1337.7	1428.6	1584.4	1651.2	1350.3
52.5°	1420.5	1404.3	1319.7	1299.9	1388.9	1448.2	1499.2	1608.1	1747.6	1760.9	1409.8
55°	1472.9	1461.4	1398.9	1409.4	1537.5	1618.2	1682.8	1798.6	1888.0	1852.4	1466.9
57.5°	1533.2	1522.7	1489.1	1548.2	1732.8	1834.4	1904.8	1967.4	2011.7	1945.9	1520.7
60°	1594.8	1588.7	1589.5	1702.4	1957.0	2054.6	2093.4	2109.6	2133.1	2033.9	1523.7
62.5°	1653.5	1665.0	1704.3	1874.1	2171.8	2246.6	2266.3	2282.3	2254.7	2047.9	1407.8
65°	1752.8	1771.6	1865.3	2103.8	2407.9	2488.1	2508.3	2453.5	2274.0	1867.4	1145.1
67.5°	1801.4	1835.8	2003.0	2317.9	2637.0	2726.1	2718.6	2464.6	2040.6	1424.0	734.8
69°	1791.3	1827.9	2034.7	2383.4	2713.1	2793.9	2746.3	2328.4	1738.5	1031.5	451.1
70°	1751.2	1788.2	2018.4	2381.0	2722.8	2786.8	2694.9	2160.2	1469.9	754.3	282.1
72.5°	1462.4	1494.4	1791.9	2152.1	2508.3	2456.3	2254.5	1496.6	716.2	205.4	63.5
75°	900.2	918.0	1285.7	1621.3	1894.5	1760.9	1502.1	744.6	213.5	58.1	35.2
77.5°	475.6	483.7	703.9	955.6	1200.9	993.7	769.9	290.4	98.4	36.4	25.5
80°	281.1	287.2	379.1	436.9	519.7	434.1	307.8	178.3	70.4	22.9	22.7
82.5°	160.9	164.7	274.8	242.9	204.8	174.9	153.2	169.0	42.3	15.4	23.5
85°	59.1	59.9	154.6	184.8	121.8	72.5	76.1	140.0	11.3	9.7	18.4
87.5°	27.5	26.9	79.5	113.1	71.2	45.9	59.3	30.8	4.5	6.3	5.1
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°	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0
2.5°	501.9	494.4	480.9	466.9	452.7	441.8	431.1	422.6	419.7	414.5	414.9
5°	486.5	472.8	444.4	415.7	385.7	361.0	337.8	319.0	309.8	300.5	300.5
7.5°	473.2	453.1	408.8	362.1	313.7	273.0	236.4	208.9	193.7	181.5	181.3
10°	468.1	441.0	379.1	312.1	244.7	189.2	145.7	117.8	103.4	94.1	93.7
12.5°	470.3	436.7	356.2	265.9	181.3	121.6	84.4	66.4	60.3	57.5	57.5
15°	476.8	435.5	333.3	220.8	128.1	76.1	56.1	51.2	50.8	50.8	50.8
17.5°	484.7	435.9	309.8	176.9	87.2	54.4	48.4	47.8	48.2	48.2	48.2
20°	492.8	436.1	284.5	136.2	61.5	47.4	45.5	45.3	45.7	45.7	45.9
22.5°	502.7	437.1	259.3	101.8	50.8	44.7	43.3	43.3	43.5	43.5	43.3
25°	514.0	439.2	232.9	75.5	46.3	42.9	41.7	41.5	41.7	41.5	41.3
27.5°	528.2	442.0	203.6	59.1	44.3	41.1	40.1	40.1	39.9	39.7	39.5
30°	546.0	445.2	170.6	50.2	42.3	39.5	38.5	38.3	38.0	37.6	37.6
32.5°	573.1	452.3	138.0	45.5	40.1	37.2	36.4	36.4	36.0	35.6	35.4
35°	614.8	466.3	108.9	42.7	37.6	34.8	33.8	33.8	33.4	33.2	33.0
37.5°	672.5	487.5	84.6	40.1	35.2	32.2	31.2	31.0	30.6	30.2	30.0
40°	749.2	513.8	66.6	37.6	32.8	29.5	28.7	28.3	27.5	26.9	26.9
42.5°	845.5	543.8	54.0	35.0	30.0	27.1	26.5	25.9	24.5	23.9	23.7
45°	946.3	570.7	45.7	32.0	27.1	24.7	24.3	23.3	21.5	20.8	20.8
47.5°	1019.0	577.0	40.3	29.1	24.5	22.1	21.9	20.0	18.4	18.0	17.8
50°	1064.3	564.6	35.8	26.3	22.1	19.6	19.0	16.8	15.8	15.4	15.2
52.5°	1094.9	542.6	32.2	23.9	19.8	17.4	16.0	14.4	13.6	13.2	13.2
55°	1119.4	511.4	28.5	21.7	18.0	15.6	13.6	12.3	11.5	11.1	11.1
57.5°	1126.3	469.1	24.9	19.8	16.2	13.8	11.5	10.7	9.7	9.5	9.5
60°	1076.3	392.8	22.1	17.6	14.6	11.9	10.1	9.1	8.1	7.9	7.7
62.5°	944.5	304.0	19.4	15.6	12.8	10.3	8.7	7.5	6.7	6.7	6.7
65°	720.5	203.8	17.0	13.6	11.1	8.7	7.5	6.1	5.7	5.7	5.9
67.5°	431.3	110.9	14.6	11.5	9.5	7.3	6.3	5.3	5.1	5.3	5.3
69°	252.8	65.2	13.2	10.3	8.3	6.5	5.5	4.7	5.1	5.3	5.3
70°	156.0	43.9	12.1	9.3	7.5	5.9	5.1	4.5	4.9	5.1	5.1
72.5°	43.5	22.7	9.7	7.3	6.1	4.9	4.0	4.0	4.7	4.9	4.9
75°	28.3	16.8	7.5	5.5	4.7	3.8	3.4	3.8	4.5	4.7	4.7
77.5°	23.5	13.8	6.1	4.5	3.8	3.6	3.2	3.4	4.0	4.3	4.3
80°	21.5	9.7	4.9	4.0	3.4	3.2	3.0	2.8	3.6	3.8	3.8
82.5°	20.4	7.7	4.3	3.6	3.2	2.8	2.6	2.8	3.2	3.4	3.6
85°	12.8	5.1	3.8	3.4	2.8	2.6	2.6	2.6	3.0	3.2	3.2
87.5°	4.7	4.0	3.4	2.8	2.4	2.4	2.4	2.4	2.6	3.0	3.0
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)