

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: STREETWORKS

Report Number: P385488

Luminaire Tested: GAW-SA1A-735-U-SL2-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385488  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1A-735-U-SL2-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3873.1 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

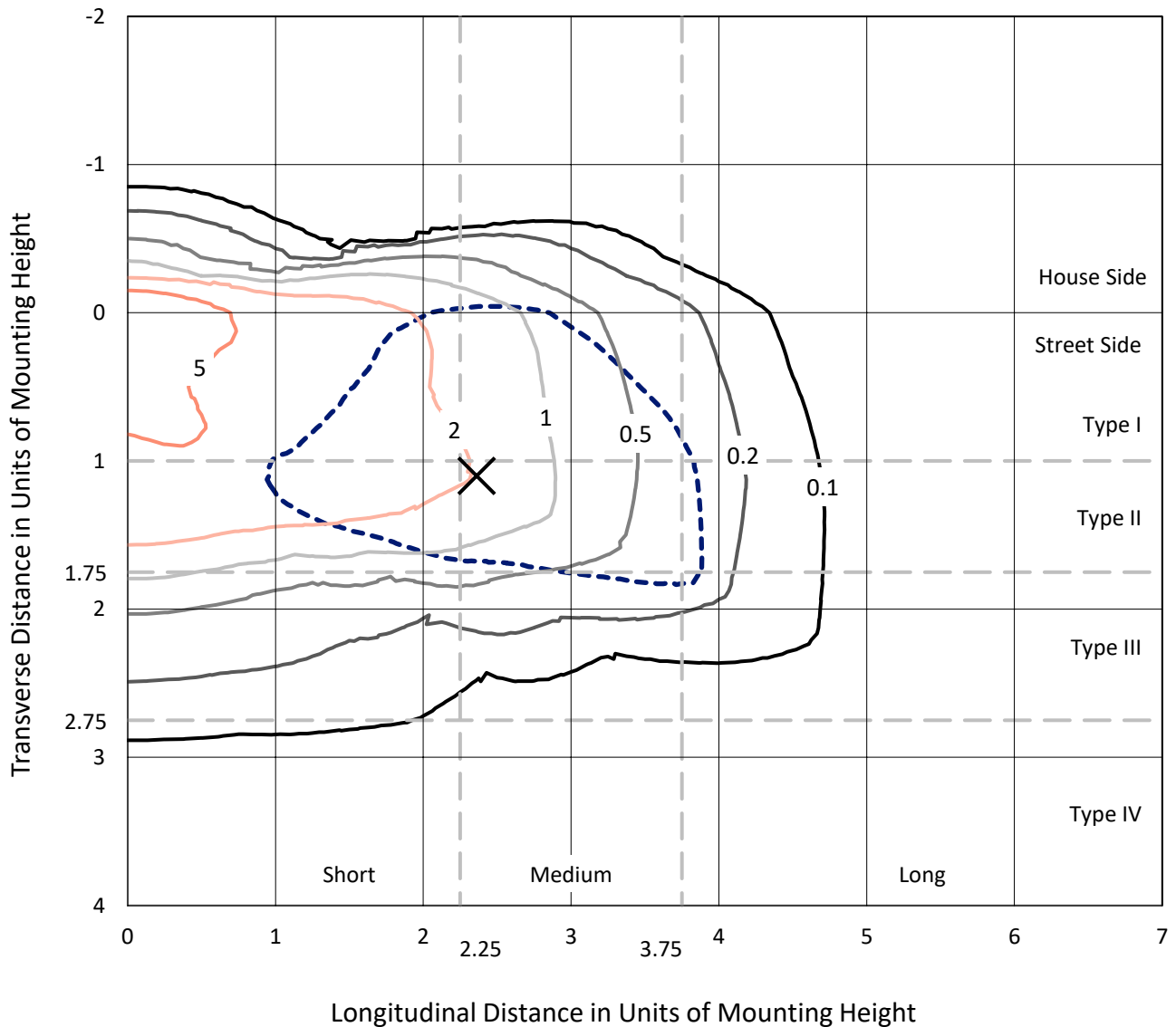
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

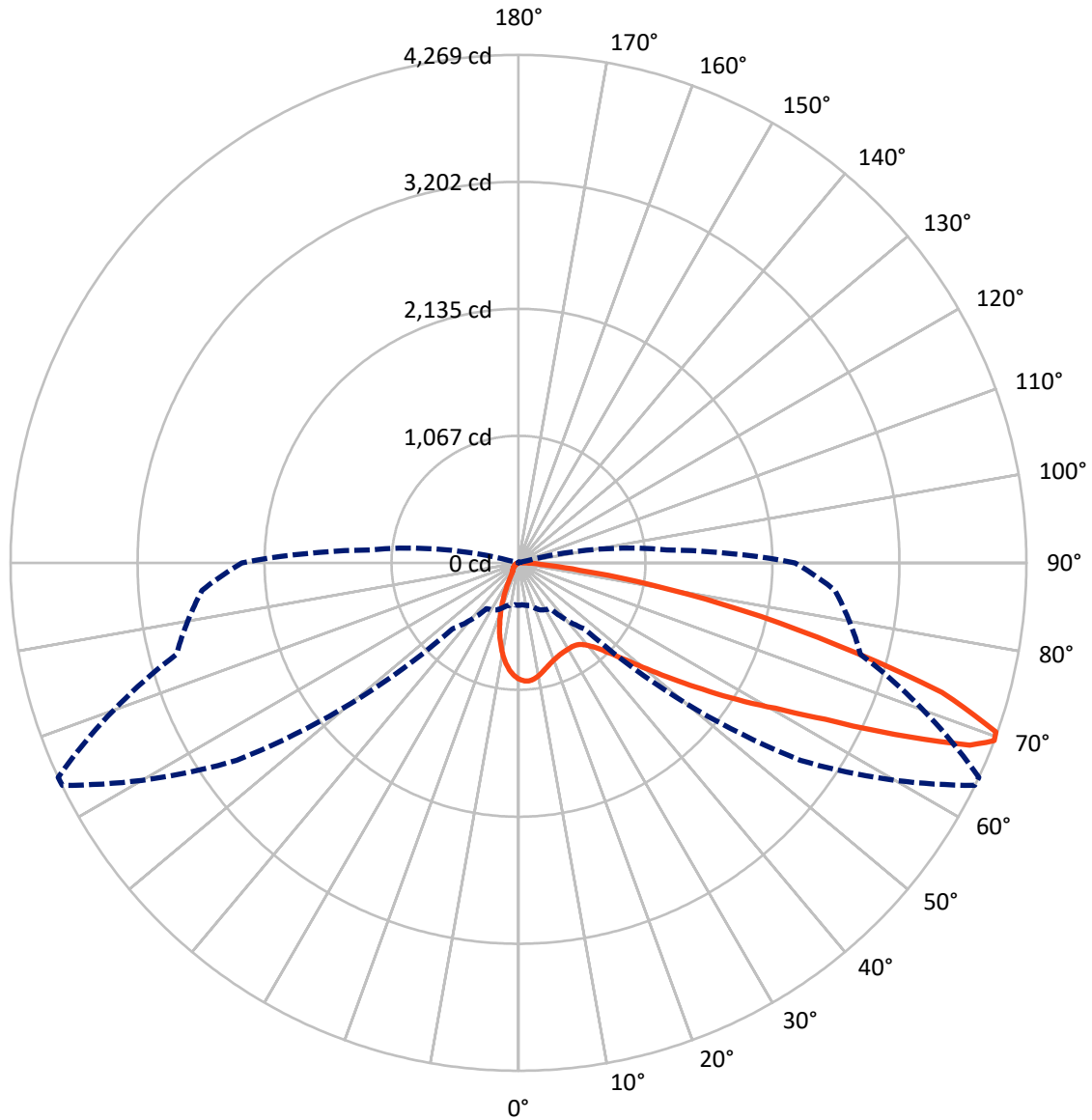
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	456.6	0.0	456.6
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	3416.6	0.0	3416.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	3873.1	0.0	3873.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	2.1
10°-20°	179.2	4.6
20°-30°	248.1	6.4
30°-40°	346.0	8.9
40°-50°	537.8	13.9
50°-60°	863.4	22.3
60°-70°	976.6	25.2
70°-80°	573.6	14.8
80°-90°	66.7	1.7
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°	3873.1	100.0
0°-180°	3873.1	100.0

**Coefficient of Utilization**

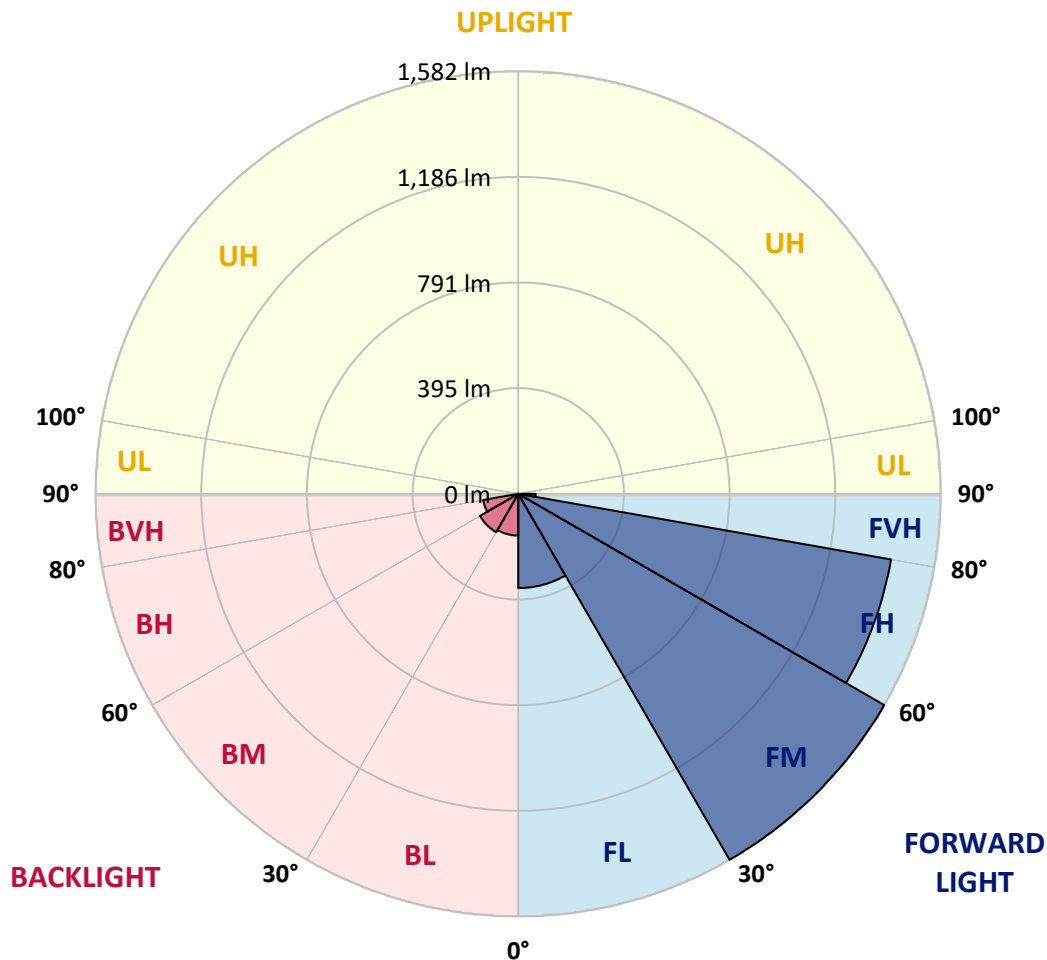


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.9	9.1			
FM (30°-60°)	1581.7	40.8			
FH (60°-80°)	1416.7	36.6			G1/1800
FVH (80°-90°)	65.2	1.7			G1/100
BL (0°-30°)	156.2	4.0	B1/500		
BM (30°-60°)	165.5	4.3	B0/220		
BH (60°-80°)	133.4	3.4	B1/500		G1/500
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: B1-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8
2.5°	987.4	985.0	986.9	991.2	993.3	993.3	995.0	993.0	993.7	988.9	982.0
5°	925.7	921.9	927.3	939.2	954.0	966.6	985.3	995.1	996.1	996.3	988.2
7.5°	859.1	855.7	863.7	877.8	896.8	920.2	952.8	981.4	983.0	998.4	992.5
10°	805.1	802.5	811.9	826.9	849.3	875.5	915.4	955.2	959.9	994.0	991.8
12.5°	762.1	760.2	769.0	786.4	809.1	838.1	879.9	926.0	932.3	984.0	988.6
15°	730.8	730.5	737.8	754.5	779.8	806.8	849.6	898.9	906.3	973.2	988.1
17.5°	714.4	714.9	720.3	734.5	756.2	783.1	824.0	876.2	884.2	963.5	990.6
20°	712.7	713.3	716.2	724.2	741.7	765.5	803.2	857.0	865.4	956.3	994.4
22.5°	727.2	726.8	727.7	726.8	736.7	754.7	789.5	842.3	851.9	951.5	997.6
25°	754.9	754.4	754.1	747.9	741.5	751.1	783.7	833.9	843.0	948.1	999.4
27.5°	793.4	793.0	792.6	782.6	762.9	756.9	784.4	830.7	838.4	945.3	999.0
30°	844.0	846.3	845.6	831.7	801.1	774.3	791.3	829.1	835.9	939.9	995.7
32.5°	903.5	908.1	911.7	896.8	858.4	809.1	807.1	830.9	835.9	935.8	989.4
35°	965.3	971.2	984.5	979.2	928.8	861.4	834.6	841.7	845.8	938.1	986.5
37.5°	1026.1	1033.1	1062.0	1077.2	1020.8	930.6	877.1	868.5	870.5	952.1	989.7
40°	1096.7	1107.4	1151.1	1175.7	1130.8	1023.2	940.9	914.3	915.2	982.7	1005.0
42.5°	1189.5	1200.5	1247.9	1286.4	1254.7	1140.1	1027.4	984.5	983.6	1040.0	1040.8
45°	1302.6	1314.0	1363.1	1405.8	1391.6	1278.8	1138.2	1086.9	1085.9	1130.5	1108.9
47.5°	1430.8	1442.1	1485.8	1529.9	1545.3	1440.7	1279.4	1226.8	1224.4	1256.3	1213.9
50°	1540.7	1548.1	1588.4	1647.7	1717.2	1639.7	1454.8	1404.2	1401.8	1423.2	1368.1
52.5°	1580.7	1584.9	1625.9	1709.0	1882.5	1909.1	1685.5	1620.2	1618.4	1627.8	1573.5
55°	1499.7	1507.4	1557.8	1681.0	1971.9	2213.7	1976.5	1887.7	1874.1	1853.9	1788.2
57.5°	1279.2	1291.5	1345.5	1509.4	1930.1	2455.2	2404.3	2190.2	2170.2	2046.9	1962.8
60°	958.5	973.5	1018.4	1195.3	1707.1	2541.2	2871.6	2527.3	2482.3	2200.7	2123.2
62.5°	657.7	665.2	695.7	810.9	1257.2	2400.3	3262.7	2978.8	2896.5	2367.8	2296.7
65°	502.3	504.9	517.4	557.1	748.6	1949.8	3418.3	3574.6	3475.1	2567.8	2476.8
67.5°	404.8	402.7	419.9	476.6	501.4	1189.5	3236.8	4138.2	4091.6	2835.1	2658.1
69°	357.0	354.0	371.5	437.4	470.8	786.4	2893.6	4266.2	4269.2	2976.2	2670.6
70°	321.2	323.2	340.5	414.2	460.5	617.2	2565.9	4233.6	4256.9	3029.0	2595.8
72.5°	214.6	219.8	254.7	343.8	442.8	467.1	1549.2	3632.9	3722.4	2910.1	2227.1
75°	121.0	124.8	166.4	259.3	417.3	444.8	818.3	2676.4	2763.0	2433.6	1717.4
77.5°	59.4	61.4	94.0	167.3	348.9	423.9	464.2	1818.0	1916.8	1588.4	971.3
80°	25.1	26.2	47.1	103.2	249.4	404.5	344.7	1118.9	1131.1	622.3	258.8
82.5°	9.7	10.0	19.8	64.4	158.5	315.4	288.3	530.5	517.7	117.1	59.0
85°	1.1	1.3	7.2	38.7	88.2	162.2	234.2	228.6	211.6	23.3	30.3
87.5°	0.0	0.0	0.5	11.8	26.2	76.1	121.7	94.9	85.6	7.5	15.7
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°	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8
2.5°	976.3	974.6	965.8	953.0	940.9	925.8	911.4	902.7	895.8	891.2	896.7
5°	978.9	971.7	944.8	910.4	876.6	838.6	803.2	773.2	761.5	748.3	754.2
7.5°	978.1	964.5	916.1	854.8	792.8	728.8	668.2	621.5	597.2	573.4	579.5
10°	974.0	951.0	877.8	787.0	694.2	602.2	516.1	450.7	414.2	381.0	385.8
12.5°	964.9	933.0	832.6	709.3	585.2	463.8	363.0	279.3	234.4	214.6	217.0
15°	959.6	915.4	784.7	630.6	468.9	323.1	221.9	165.1	144.6	138.0	138.8
17.5°	957.0	898.6	735.2	540.7	349.9	205.7	143.4	126.5	122.1	121.0	121.3
20°	954.3	881.5	684.3	451.7	241.0	138.3	117.8	112.9	111.3	109.8	110.1
22.5°	949.9	865.2	629.5	361.6	162.6	112.3	106.2	101.5	98.0	96.2	96.6
25°	944.5	848.0	573.6	269.2	118.6	100.1	94.4	87.6	83.6	80.3	80.5
27.5°	935.8	826.9	515.9	196.1	99.7	89.6	81.9	74.6	67.7	63.9	63.9
30°	923.7	802.9	451.8	140.3	89.3	79.3	70.0	60.8	53.5	50.0	49.7
32.5°	910.3	778.0	387.1	106.3	81.2	69.6	59.0	49.3	42.7	40.0	39.8
35°	898.8	751.1	322.5	89.1	72.9	60.3	48.7	40.5	35.2	33.0	32.8
37.5°	891.4	724.2	259.6	79.7	65.6	51.7	40.8	33.4	29.7	27.9	27.7
40°	890.3	704.3	202.1	72.4	58.7	44.0	34.1	28.4	24.9	22.9	22.8
42.5°	905.2	692.8	155.0	66.4	51.7	37.2	29.0	24.2	20.7	18.7	18.5
45°	944.4	696.4	119.3	61.0	44.6	31.5	24.6	20.2	16.9	15.4	15.1
47.5°	1015.8	721.3	94.9	55.5	37.9	26.7	20.9	16.7	13.9	12.5	12.3
50°	1143.0	779.8	79.3	49.7	31.7	22.8	17.4	13.6	11.3	10.0	9.9
52.5°	1311.8	884.1	70.8	44.0	26.2	19.4	14.3	10.8	8.8	7.9	7.7
55°	1498.0	1010.2	65.2	37.7	21.5	16.1	11.3	8.5	6.9	6.1	5.7
57.5°	1679.7	1119.6	60.0	31.7	17.8	13.2	9.0	6.8	5.4	4.6	4.4
60°	1846.7	1220.0	53.9	25.4	14.6	10.3	7.0	5.3	4.2	3.5	3.5
62.5°	2025.5	1297.7	45.6	19.8	11.9	7.9	5.7	4.8	3.5	2.9	2.8
65°	2215.0	1355.4	35.7	15.4	9.3	5.9	4.8	4.9	2.8	2.2	2.0
67.5°	2354.9	1343.9	26.4	12.1	7.2	4.6	4.6	5.3	2.4	1.6	1.5
69°	2324.2	1250.6	22.2	10.5	6.2	3.9	4.2	5.3	2.3	1.5	1.3
70°	2234.8	1147.4	19.5	9.3	5.5	3.6	4.1	5.1	2.2	1.5	1.3
72.5°	1861.1	864.1	15.2	7.0	4.4	2.9	3.5	4.4	2.2	1.5	1.1
75°	1400.0	553.1	11.6	5.1	3.3	2.3	2.6	3.3	2.2	1.3	1.1
77.5°	761.8	199.4	8.4	3.5	2.3	1.8	1.8	2.4	2.0	0.9	0.7
80°	195.9	50.2	5.3	2.3	1.8	1.3	1.1	1.6	1.1	0.2	0.0
82.5°	48.4	11.3	2.8	1.6	1.3	0.5	0.5	0.8	0.5	0.0	0.0
85°	26.6	5.5	1.8	1.1	0.7	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	13.6	1.6	0.5	0.3	0.2	0.0	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)