

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: P386142

Luminaire Tested: GAW-SA1D-730-U-T2-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1D-730-U-T2-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5368 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G2

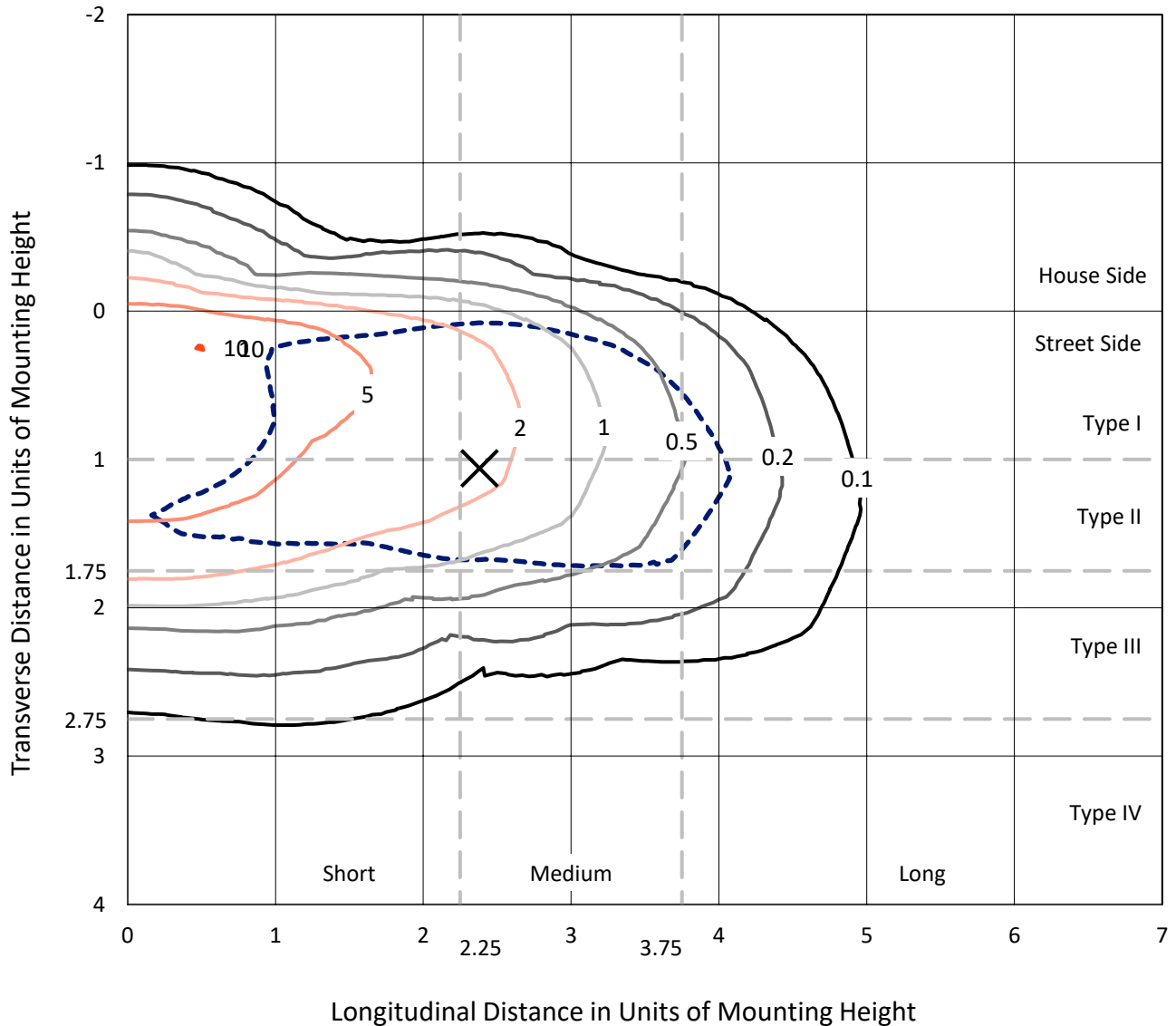
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

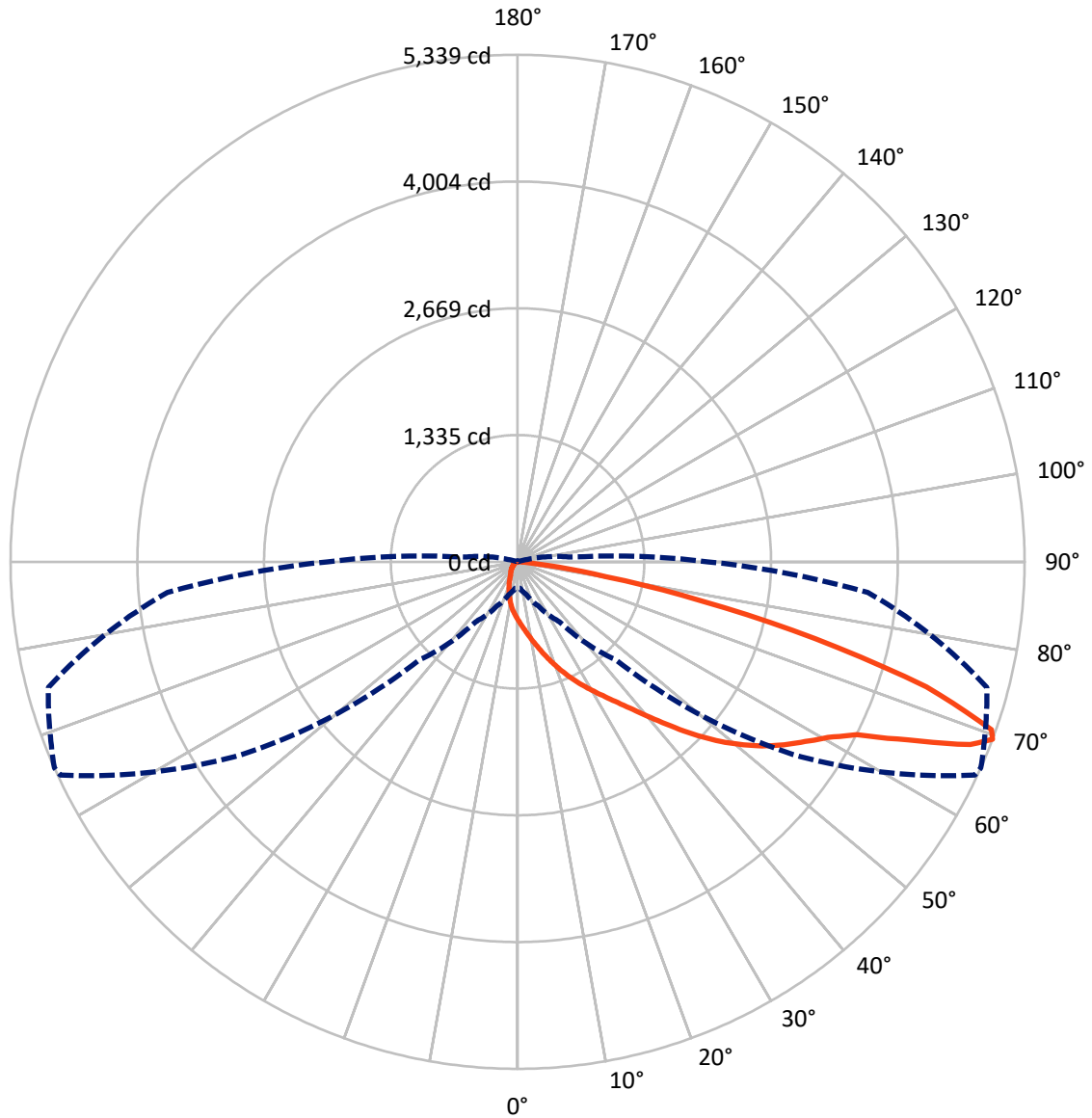
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	322.0	0.0	322.0
	% Fixture	6.0	0.0	6.0
<b>Street Side</b>	Lumens	5046.0	0.0	5046.0
	% Fixture	94.0	0.0	94.0
<b>Total</b>	Lumens	5368.0	0.0	5368.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.1	1.1
10°-20°	175.7	3.3
20°-30°	306.0	5.7
30°-40°	536.9	10.0
40°-50°	898.8	16.7
50°-60°	1321.1	24.6
60°-70°	1356.4	25.3
70°-80°	669.6	12.5
80°-90°	44.3	0.8
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°	5368.0	100.0
0°-180°	5368.0	100.0

**Coefficient of Utilization**

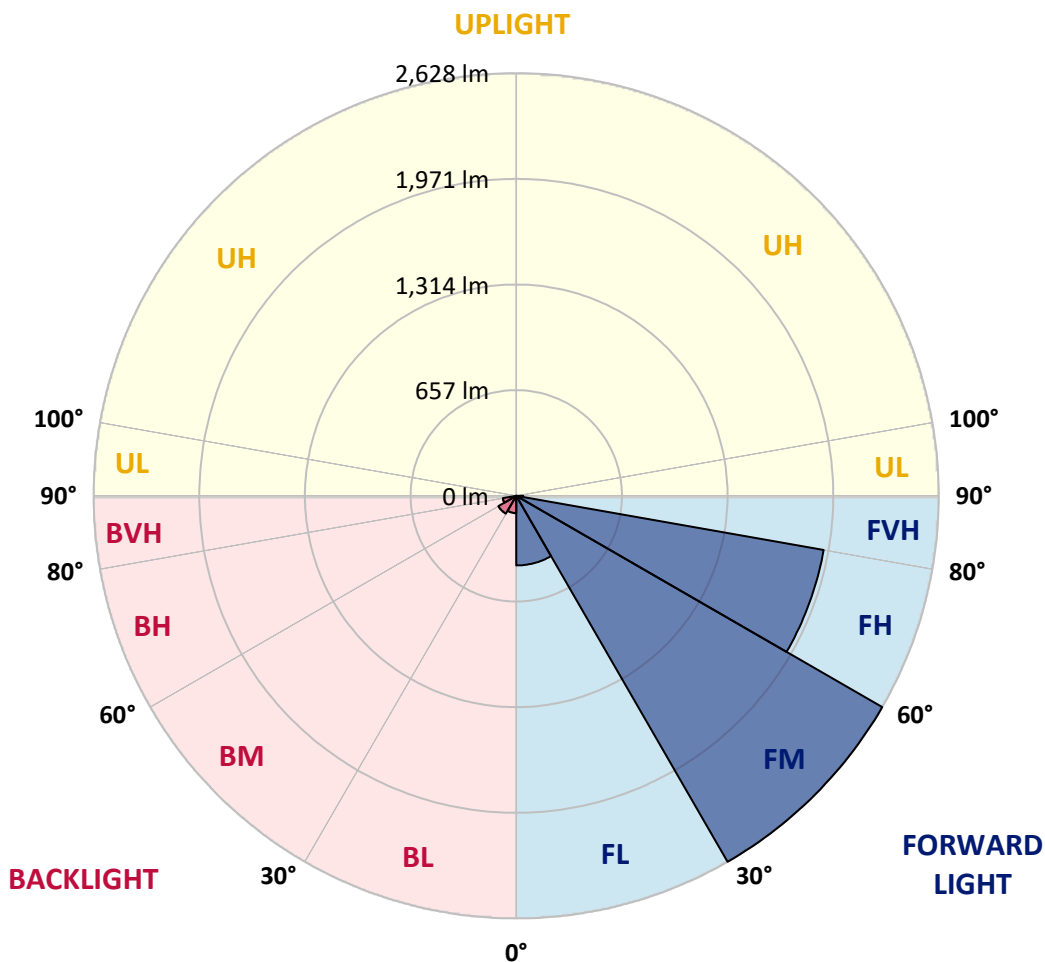


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.1	8.1			
FM (30°-60°)	2628.4	49.0			
FH (60°-80°)	1941.2	36.2			G2/5000
FVH (80°-90°)	43.2	0.8			G1/100
BL (0°-30°)	107.7	2.0	B0/110		
BM (30°-60°)	128.4	2.4	B0/220		
BH (60°-80°)	84.9	1.6	B0/110		G0/110
BVH (80°-90°)	1.1	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-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	719.0	715.9	714.7	709.1	699.4	692.0	677.7	661.1	658.1	642.0	622.4
5°	812.3	809.8	808.0	800.1	790.1	771.5	745.5	714.7	708.8	678.2	638.9
7.5°	877.3	881.9	881.9	876.8	864.3	850.3	818.4	776.4	769.0	722.1	661.1
10°	915.3	920.9	925.3	929.6	927.8	922.2	892.1	844.7	835.8	773.6	686.9
12.5°	918.9	924.5	936.7	954.8	972.4	985.2	966.3	920.4	910.2	833.2	717.5
15°	899.0	904.9	923.7	958.9	1001.5	1038.7	1044.8	1004.3	993.9	904.4	755.7
17.5°	864.3	868.2	895.2	943.9	1010.7	1079.0	1116.0	1094.3	1084.6	985.7	798.3
20°	838.6	841.4	865.1	917.4	1005.1	1104.3	1183.3	1189.9	1179.7	1072.9	844.4
22.5°	882.7	887.8	888.6	913.3	989.8	1116.7	1242.4	1284.0	1276.4	1165.4	889.8
25°	1003.3	1009.2	989.8	974.5	1002.8	1122.4	1293.2	1380.4	1374.3	1265.1	935.5
27.5°	1162.6	1168.8	1143.8	1098.1	1070.9	1143.5	1338.3	1478.3	1478.0	1370.7	984.7
30°	1319.2	1325.3	1299.8	1254.2	1191.5	1203.4	1377.3	1580.8	1582.3	1479.6	1036.9
32.5°	1483.4	1491.0	1464.8	1406.1	1340.6	1306.9	1432.1	1683.8	1692.5	1605.8	1095.8
35°	1670.0	1671.0	1634.1	1572.6	1497.2	1445.4	1520.1	1799.3	1819.9	1762.1	1170.5
37.5°	1853.1	1860.5	1830.1	1733.3	1663.9	1605.3	1650.9	1943.6	1972.9	1953.0	1268.2
40°	1988.7	2004.3	1999.9	1895.4	1829.6	1787.8	1813.3	2115.2	2152.4	2175.4	1391.3
42.5°	2073.9	2085.6	2105.5	2042.5	1982.9	1989.7	2005.0	2315.1	2361.0	2428.8	1532.8
45°	2171.5	2177.1	2193.7	2165.9	2125.6	2195.0	2208.5	2540.2	2588.4	2701.4	1689.9
47.5°	2290.9	2304.1	2308.7	2283.2	2264.9	2376.5	2404.6	2745.0	2812.5	2993.3	1856.1
50°	2442.8	2446.4	2454.3	2437.7	2419.4	2532.6	2580.5	2959.9	3021.3	3286.2	2020.1
52.5°	2591.5	2604.2	2631.7	2621.3	2613.9	2665.4	2737.3	3153.7	3222.2	3530.5	2183.8
55°	2634.3	2645.3	2740.4	2805.4	2865.5	2829.1	2887.2	3327.3	3401.5	3748.7	2341.3
57.5°	2463.2	2485.4	2650.1	2819.4	3069.0	3083.5	3093.2	3505.5	3572.1	3916.0	2505.3
60°	2030.8	2035.1	2305.4	2595.8	3035.4	3305.6	3394.1	3697.0	3752.8	4071.8	2701.6
62.5°	1291.7	1335.8	1632.3	2042.3	2679.4	3273.5	3757.9	3986.6	4007.0	4258.7	2983.1
65°	615.2	643.8	857.4	1261.8	1940.8	2862.2	4009.1	4510.6	4519.8	4629.1	3359.2
67.5°	340.6	354.4	456.1	679.2	1134.6	2024.2	3907.6	5131.2	5139.8	5007.5	3689.1
69°	266.4	278.2	358.2	512.0	769.2	1454.8	3536.1	5313.0	5338.7	5115.9	3700.8
70°	226.2	237.6	308.5	432.4	618.5	1124.1	3147.5	5267.8	5295.1	5105.7	3613.4
72.5°	138.4	145.1	205.5	304.4	414.6	565.5	1941.0	4455.0	4501.1	4683.4	3105.5
75°	93.3	96.9	128.5	210.1	296.5	291.2	1008.4	3140.1	3240.1	3643.2	2293.7
77.5°	66.8	70.1	86.2	135.9	207.8	192.2	456.6	1951.5	1972.9	2185.0	1250.9
80°	38.0	41.0	60.9	80.8	141.0	128.2	181.5	932.2	942.9	937.0	417.6
82.5°	19.9	22.4	33.4	53.3	90.5	83.9	75.5	312.1	313.6	260.8	91.5
85°	3.8	4.6	16.6	36.5	46.7	36.5	30.9	73.2	74.7	66.0	22.7
87.5°	0.0	0.3	6.6	8.2	9.2	9.4	9.9	14.3	15.3	20.7	6.1
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°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	613.7	604.5	586.9	566.5	550.7	535.2	522.9	510.2	505.6	503.3	503.0
5°	619.8	600.4	563.2	525.0	493.6	464.0	442.9	422.7	413.3	409.0	407.2
7.5°	630.0	598.9	539.0	480.6	435.5	398.5	369.2	347.3	336.3	331.7	329.9
10°	642.0	596.9	510.7	433.7	376.1	337.8	308.8	287.1	275.1	270.0	267.5
12.5°	656.0	593.3	478.1	386.3	325.3	287.1	251.9	225.1	211.4	205.5	202.7
15°	673.4	589.7	443.9	341.7	280.7	234.1	195.6	177.5	174.7	173.6	173.9
17.5°	690.4	584.1	406.7	297.5	233.8	182.8	163.2	162.2	162.7	162.7	162.7
20°	705.7	571.4	366.1	259.8	189.2	154.3	150.2	148.4	147.1	146.1	144.8
22.5°	717.7	554.3	327.1	222.3	154.5	141.3	134.9	129.3	124.7	121.6	120.1
25°	725.9	531.6	291.4	186.4	139.0	128.5	117.0	107.6	100.5	96.1	94.3
27.5°	732.0	507.1	259.6	156.0	128.2	113.7	98.7	87.5	80.1	76.2	74.7
30°	736.3	479.3	231.5	137.2	116.3	98.2	82.1	71.1	65.8	63.7	62.7
32.5°	740.4	448.5	205.0	128.2	105.0	83.9	68.8	60.4	57.1	54.6	53.8
35°	750.6	419.9	179.8	118.8	93.6	71.6	59.2	53.0	49.7	48.2	47.7
37.5°	774.8	398.8	155.5	109.1	82.1	62.0	51.8	47.4	44.4	42.8	42.3
40°	813.8	388.1	135.1	98.7	70.9	54.6	46.9	42.8	39.5	37.2	36.7
42.5°	871.2	389.6	120.9	88.2	62.0	48.7	42.3	37.5	33.9	31.9	31.4
45°	940.8	400.8	110.9	78.0	54.6	44.1	37.2	32.1	28.8	27.0	26.5
47.5°	1016.3	418.9	102.8	68.8	48.7	39.8	32.1	26.8	24.0	22.4	22.2
50°	1095.8	436.5	94.3	59.9	43.6	35.4	27.0	22.2	19.9	18.6	18.1
52.5°	1176.4	456.9	86.7	51.8	39.3	30.3	22.4	18.1	16.3	15.3	14.8
55°	1263.1	472.2	79.3	45.4	34.9	25.8	18.6	15.0	13.5	12.2	12.0
57.5°	1365.1	495.9	71.6	39.3	29.8	21.4	15.3	12.0	10.7	9.4	9.2
60°	1502.8	523.7	63.5	34.7	24.5	17.6	12.5	9.7	8.2	7.1	6.9
62.5°	1684.3	554.5	53.3	30.3	19.9	14.3	9.9	7.6	5.9	4.6	4.6
65°	1914.5	604.8	43.6	25.5	16.3	11.7	7.6	5.6	3.3	2.0	2.0
67.5°	2048.9	613.4	35.2	20.9	13.3	9.9	6.4	3.8	1.0	0.3	0.0
69°	2005.8	563.2	29.8	17.8	11.5	9.4	5.9	2.8	0.5	0.0	0.0
70°	1924.7	515.0	26.3	15.8	10.5	8.9	5.6	2.0	0.5	0.0	0.0
72.5°	1590.5	366.6	19.9	11.7	7.6	7.9	5.1	1.3	0.5	0.0	0.0
75°	1158.6	222.8	14.3	8.2	4.8	5.9	3.6	0.5	0.3	0.0	0.0
77.5°	644.6	105.0	8.9	4.6	3.1	3.6	1.8	0.0	0.0	0.0	0.0
80°	209.3	28.6	4.1	2.5	1.8	2.0	0.8	0.0	0.0	0.0	0.0
82.5°	38.8	8.2	2.3	1.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0
85°	8.4	3.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.0	0.3	0.0	0.0	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)