

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: P632832

Luminaire Tested: GWS-SA2D-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-740-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

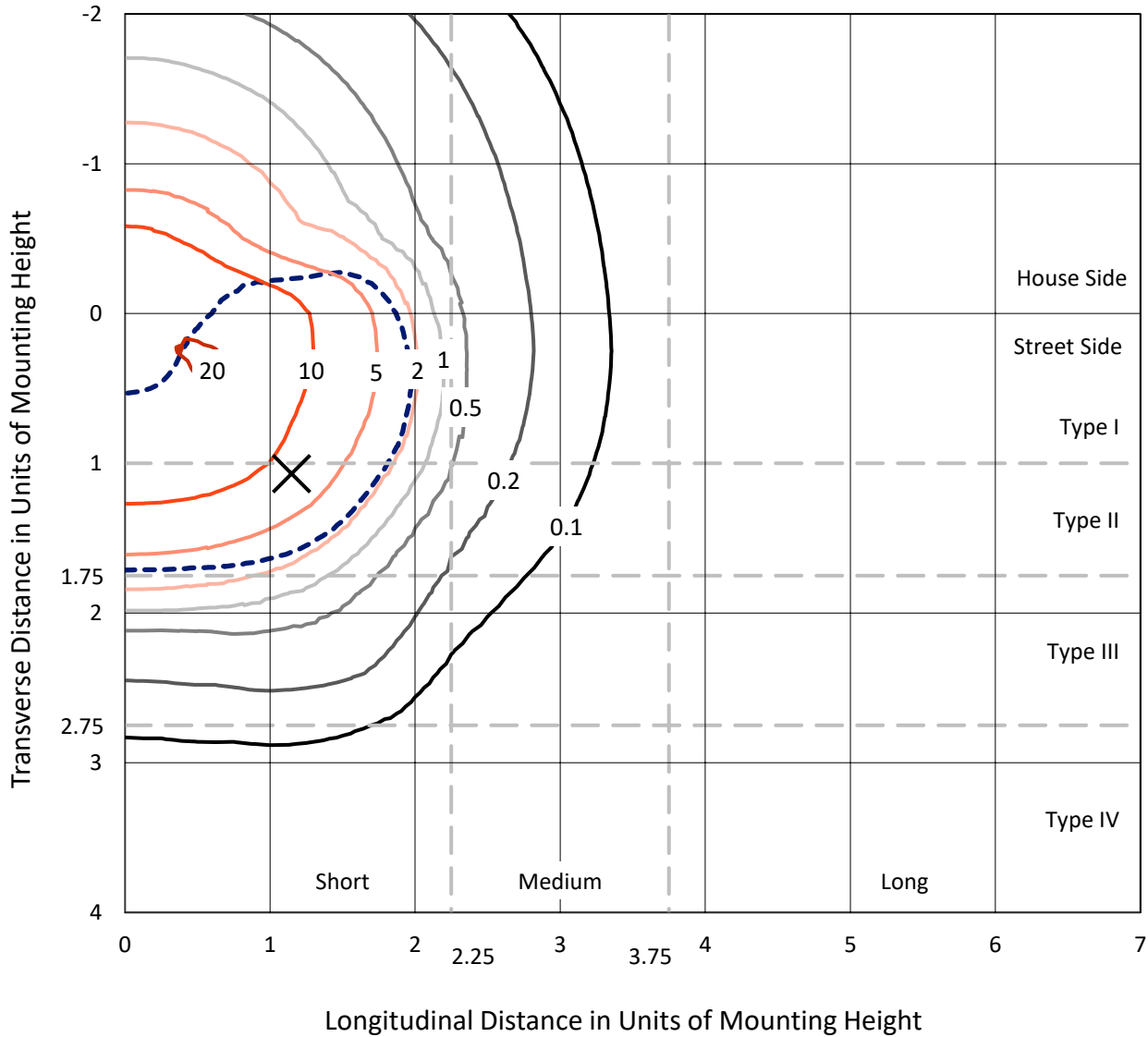
Lumens per Lamp: N/A  
Luminaire Lumens: 9965.6 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P632832  
 CATALOG NUMBER: GWS-SA2D-740-U-T3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

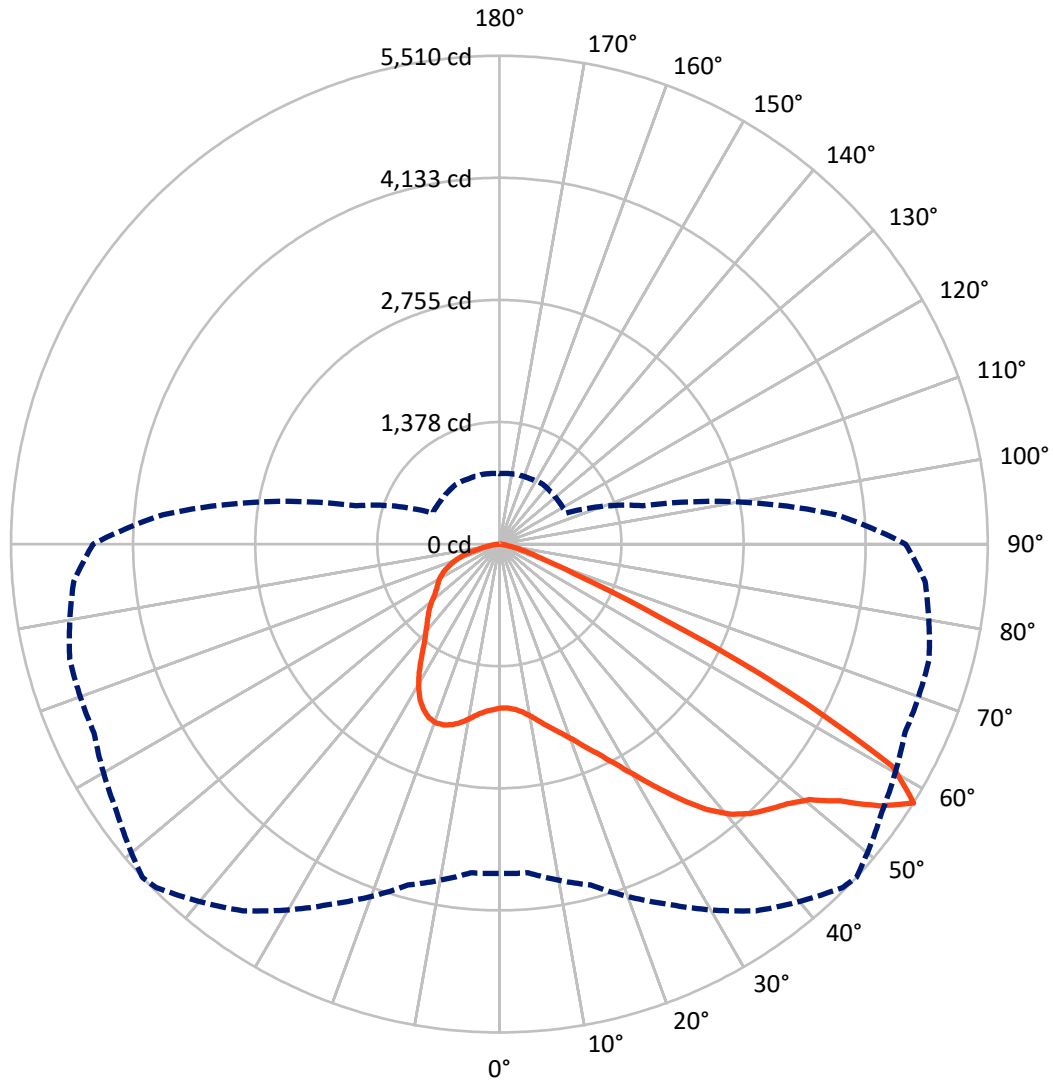
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P632832  
CATALOG NUMBER: GWS-SA2D-740-U-T3-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632832  
 CATALOG NUMBER: GWS-SA2D-740-U-T3-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3154.1	0.0	3154.1
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	6811.5	0.0	6811.5
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	9965.6	0.0	9965.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.3	1.8
10°-20°	599.5	6.0
20°-30°	1079.5	10.8
30°-40°	1630.5	16.4
40°-50°	2195.7	22.0
50°-60°	2638.4	26.5
60°-70°	1285.0	12.9
70°-80°	316.6	3.2
80°-90°	38.0	0.4
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°	9965.6	100.0
0°-180°	9965.6	100.0

**Coefficient of Utilization**



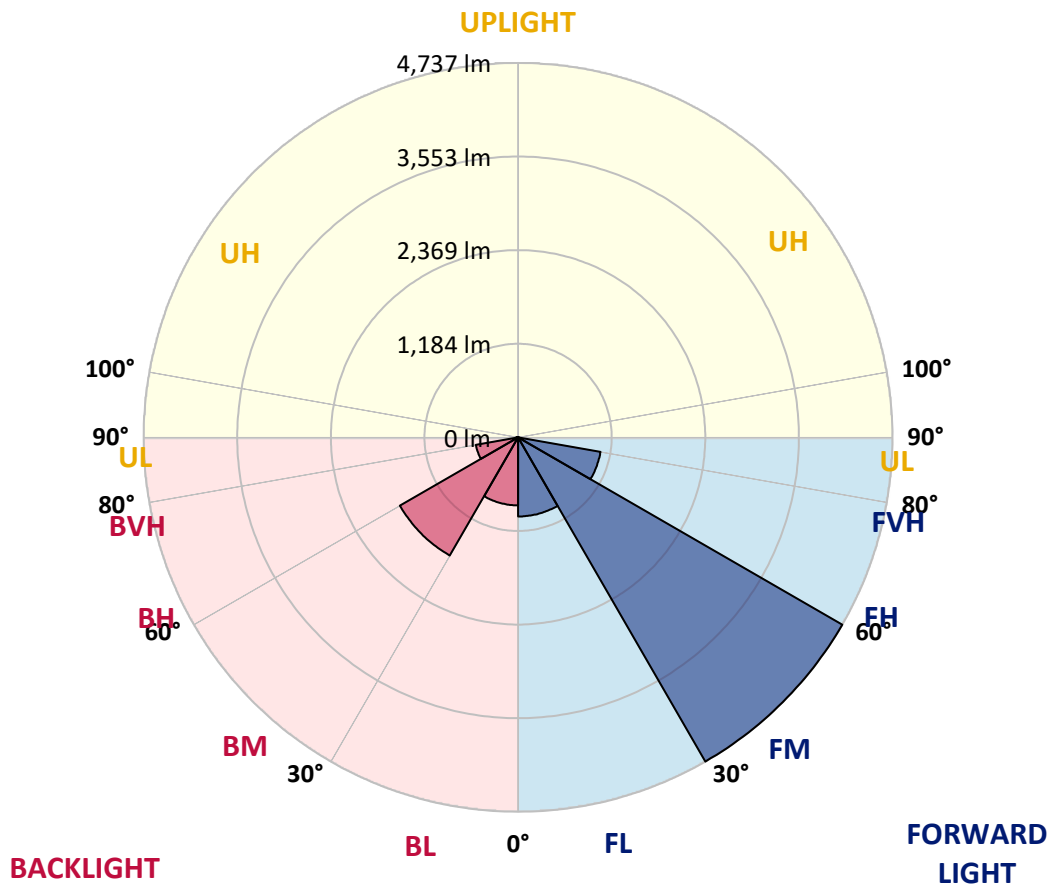
REPORT NUMBER: P632832

CATALOG NUMBER: GWS-SA2D-740-U-T3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1001.0	10.0			
FM (30°-60°)	4737.2	47.5			
FH (60°-80°)	1059.0	10.6			G1/1800
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	860.4	8.6	B2/1000		
BM (30°-60°)	1727.5	17.3	B2/2500		
BH (60°-80°)	542.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	23.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Short





REPORT NUMBER: P632832

CATALOG NUMBER: GWS-SA2D-740-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1
2.5°	1844.8	1843.9	1843.9	1849.0	1849.0	1850.6	1853.2	1855.7	1856.5	1852.3	1843.1
5°	1864.9	1864.9	1864.9	1869.1	1869.1	1870.7	1874.1	1874.9	1874.1	1867.4	1858.2
7.5°	1896.7	1896.7	1897.5	1902.5	1906.7	1909.2	1915.1	1914.3	1911.7	1900.9	1889.1
10°	1948.6	1951.1	1953.6	1959.5	1967.8	1973.7	1977.9	1977.9	1974.5	1957.8	1942.7
12.5°	2022.2	2025.6	2028.1	2033.1	2039.8	2049.9	2059.1	2059.1	2054.9	2034.0	2011.4
15°	2108.4	2111.8	2111.0	2112.6	2125.2	2139.4	2147.0	2152.0	2153.6	2124.4	2089.2
17.5°	2207.2	2210.6	2207.2	2202.2	2203.9	2226.5	2239.9	2258.3	2269.2	2229.8	2173.7
20°	2296.8	2293.4	2293.4	2296.8	2301.8	2329.4	2349.5	2379.6	2393.0	2345.3	2258.3
22.5°	2391.4	2398.9	2395.5	2395.5	2415.6	2461.7	2485.9	2525.3	2539.5	2477.6	2360.4
25°	2513.6	2520.3	2518.6	2520.3	2543.7	2609.0	2633.3	2706.1	2720.3	2631.6	2473.4
27.5°	2647.5	2658.4	2663.4	2661.7	2699.4	2784.8	2814.9	2916.2	2942.1	2804.0	2593.9
30°	2821.6	2833.3	2837.5	2835.8	2880.2	2996.5	3030.8	3146.3	3183.2	3008.2	2747.1
32.5°	3023.3	3035.0	3047.6	3052.6	3109.5	3228.4	3277.8	3397.5	3450.2	3244.3	2932.1
35°	3223.4	3233.4	3257.7	3297.0	3374.9	3496.2	3539.7	3657.8	3708.8	3489.5	3155.6
37.5°	3444.3	3451.0	3471.9	3526.4	3638.5	3754.0	3797.5	3910.5	3916.4	3726.4	3408.3
40°	3686.2	3686.2	3682.0	3735.6	3852.8	3969.1	4006.8	4072.1	4037.8	3908.9	3654.4
42.5°	3891.3	3887.9	3891.3	3941.5	4028.6	4123.1	4155.8	4143.2	4099.7	4048.7	3877.1
45°	4076.3	4078.8	4108.9	4147.4	4192.6	4248.7	4268.0	4196.8	4157.5	4160.8	4055.4
47.5°	4201.8	4204.3	4274.6	4339.1	4366.7	4384.3	4375.9	4277.2	4257.1	4294.7	4192.6
50°	4218.6	4232.0	4353.3	4485.6	4554.2	4556.7	4533.3	4412.8	4406.9	4449.6	4266.3
52.5°	4221.9	4235.3	4386.8	4625.4	4803.6	4841.3	4814.5	4689.0	4627.9	4585.2	4356.7
55°	4209.4	4224.4	4391.8	4719.1	5060.6	5211.3	5213.8	5036.3	4841.3	4812.9	4614.5
57.5°	3716.4	3722.2	3981.7	4480.6	5050.6	5477.4	5510.1	5269.0	5046.4	5019.6	4821.2
60°	2588.9	2612.3	2894.4	3553.1	4242.8	4995.3	5100.8	5030.5	4881.5	4686.5	4136.5
62.5°	1296.5	1316.6	1599.5	2222.3	2926.2	3520.5	3633.5	3708.0	3743.1	3533.9	2816.6
65°	558.3	573.4	749.1	1160.9	1656.5	1943.6	1982.9	2072.5	2291.8	2044.8	1517.5
67.5°	373.3	383.4	472.9	708.1	976.0	994.4	988.5	1007.8	1055.5	871.3	685.5
70°	286.3	294.6	354.9	519.0	701.4	600.1	568.3	515.6	560.0	570.8	555.8
72.5°	207.6	214.3	259.5	354.1	439.4	383.4	378.3	405.1	465.4	482.1	472.9
75°	133.9	137.3	164.9	194.2	226.8	246.1	256.1	304.7	365.8	378.3	367.5
77.5°	89.6	92.1	108.0	124.7	128.9	129.7	133.1	154.8	196.7	220.1	217.6
80°	46.9	46.9	52.7	52.7	60.3	72.0	75.3	89.6	108.8	120.5	121.4
82.5°	18.4	19.3	22.6	25.1	30.1	36.8	39.3	46.9	56.9	65.3	72.8
85°	7.5	8.4	9.2	10.9	13.4	16.7	17.6	20.1	26.8	33.5	37.7
87.5°	0.0	0.0	0.8	0.8	1.7	2.5	2.5	3.3	4.2	7.5	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632832

CATALOG NUMBER: GWS-SA2D-740-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1	1848.1
2.5°	1854.0	1843.1	1854.0	1857.3	1866.5	1869.9	1864.0	1863.2	1863.2	1854.8	1852.3
5°	1866.5	1856.5	1867.4	1872.4	1885.8	1894.2	1895.8	1902.5	1906.7	1903.4	1902.5
7.5°	1897.5	1885.0	1896.7	1904.2	1921.8	1935.2	1941.0	1956.1	1967.0	1965.3	1964.5
10°	1951.9	1935.2	1948.6	1961.1	1980.4	1996.3	1997.1	2005.5	2016.4	2013.0	2011.4
12.5°	2014.7	1998.8	2013.9	2026.4	2049.0	2055.7	2044.8	2041.5	2043.2	2039.0	2035.6
15°	2091.7	2069.1	2082.5	2096.7	2109.3	2101.8	2078.3	2069.1	2068.3	2062.4	2059.1
17.5°	2168.7	2140.3	2150.3	2157.8	2152.0	2128.5	2099.2	2083.3	2075.8	2064.1	2060.7
20°	2244.9	2208.9	2207.2	2201.4	2174.6	2131.9	2092.5	2060.7	2041.5	2025.6	2019.7
22.5°	2331.9	2281.7	2256.6	2229.8	2171.2	2101.8	2042.3	1997.1	1966.2	1946.1	1939.4
25°	2425.7	2354.5	2302.6	2249.1	2137.7	2037.3	1954.4	1892.5	1855.7	1833.9	1826.4
27.5°	2518.6	2420.7	2342.8	2251.6	2070.8	1944.4	1833.1	1749.4	1712.5	1695.0	1689.1
30°	2644.1	2508.5	2390.5	2218.9	1982.9	1815.5	1676.5	1592.0	1567.7	1555.2	1550.2
32.5°	2788.9	2619.9	2454.1	2150.3	1870.7	1664.8	1518.3	1459.8	1443.0	1418.7	1417.9
35°	2979.8	2778.9	2514.4	2049.0	1729.3	1503.3	1397.0	1355.1	1325.0	1286.5	1283.1
37.5°	3202.4	2977.3	2547.0	1920.1	1564.4	1370.2	1306.6	1259.7	1211.2	1160.1	1153.4
40°	3432.6	3209.1	2549.6	1767.8	1402.8	1282.3	1228.7	1167.6	1107.4	1050.5	1042.9
42.5°	3674.5	3425.1	2505.2	1592.0	1270.6	1206.1	1151.7	1074.7	1006.9	968.4	964.2
45°	3890.5	3599.2	2404.8	1407.0	1172.7	1142.5	1073.1	990.2	954.2	926.6	920.7
47.5°	4060.4	3714.7	2269.2	1241.3	1093.1	1077.2	986.8	944.2	916.5	891.4	885.6
50°	4144.1	3740.6	2092.5	1106.5	1019.5	1000.2	938.3	905.7	887.2	867.2	862.1
52.5°	4247.9	3769.9	1940.2	993.5	947.5	921.6	898.1	872.2	858.8	846.2	842.0
55°	4486.4	3880.4	1859.9	903.1	878.9	867.2	863.8	842.0	837.9	829.5	822.0
57.5°	4583.5	3809.3	1669.9	829.5	824.5	826.1	834.5	814.4	810.2	800.2	795.2
60°	3686.2	2879.3	1130.8	765.9	779.3	790.1	798.5	778.4	772.6	770.9	764.2
62.5°	2362.1	1771.1	789.3	706.4	726.5	739.9	744.9	725.7	721.5	734.9	735.7
65°	1229.6	965.1	640.3	642.8	659.6	679.7	689.7	683.0	681.3	695.6	696.4
67.5°	627.8	590.1	558.3	567.5	580.9	606.8	630.3	659.6	669.6	671.3	672.1
70°	534.9	518.1	502.2	508.1	522.3	536.5	559.1	573.4	556.6	552.4	550.8
72.5°	455.3	442.8	435.2	441.9	449.5	447.0	440.3	447.0	449.5	450.3	451.2
75°	354.1	344.9	339.0	339.8	339.8	330.6	318.1	310.5	302.2	295.5	295.5
77.5°	216.8	218.5	224.3	223.5	222.6	219.3	206.7	200.0	180.0	174.1	174.1
80°	123.9	126.4	132.2	133.9	133.9	129.7	117.2	109.6	100.4	96.3	95.4
82.5°	75.3	78.7	82.0	83.7	84.5	79.5	68.6	62.8	57.8	53.6	53.6
85°	39.3	41.0	44.4	45.2	42.7	37.7	31.8	29.3	24.3	23.4	23.4
87.5°	10.9	11.7	13.4	10.9	10.0	7.5	4.2	3.3	1.7	0.8	0.8
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)