

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: P635413

Luminaire Tested: GWS-SA3D-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-T2R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

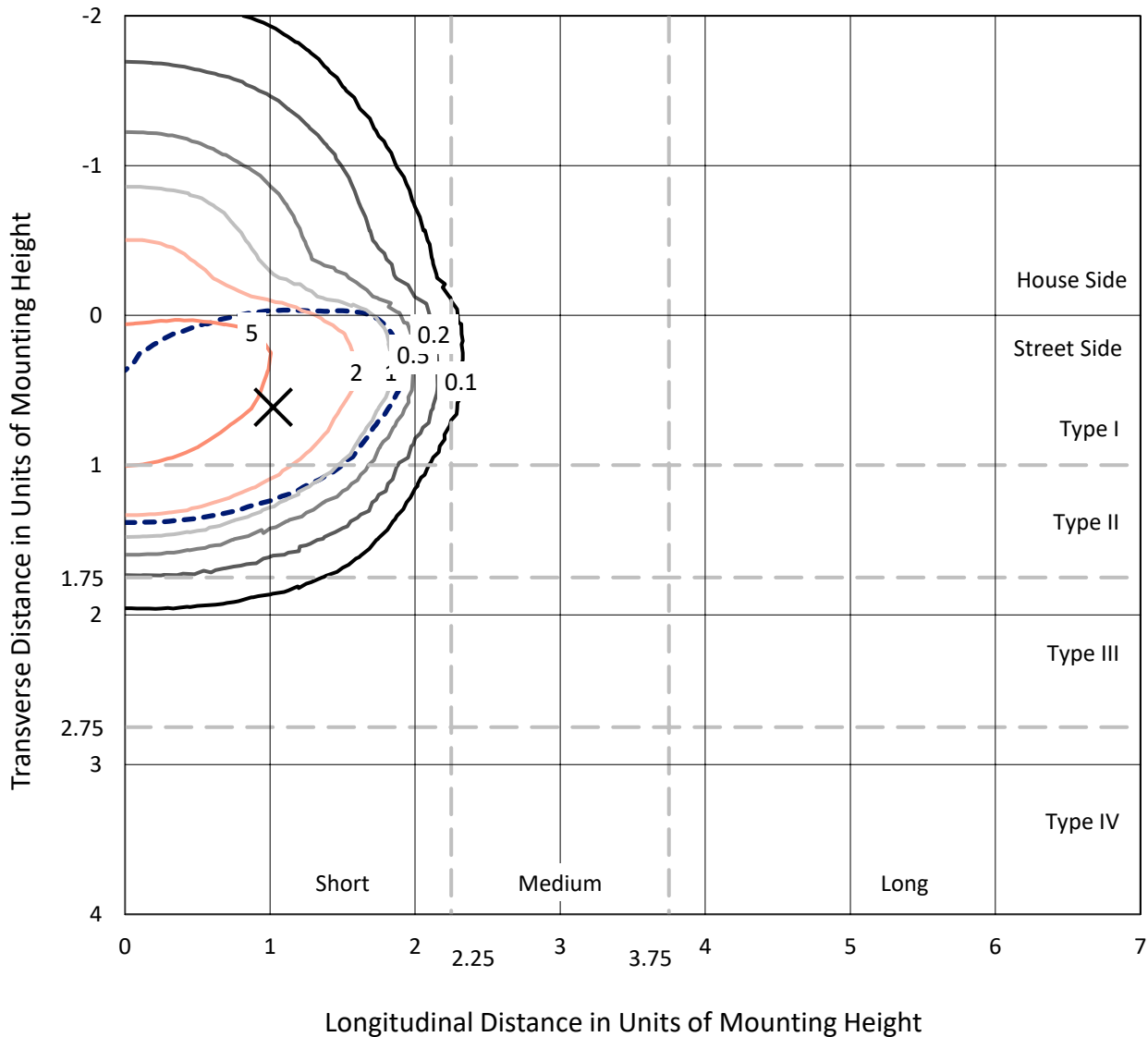
Lumens per Lamp: N/A  
Luminaire Lumens: 15626 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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: P635413  
 CATALOG NUMBER: GWS-SA3D-760-U-T2R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

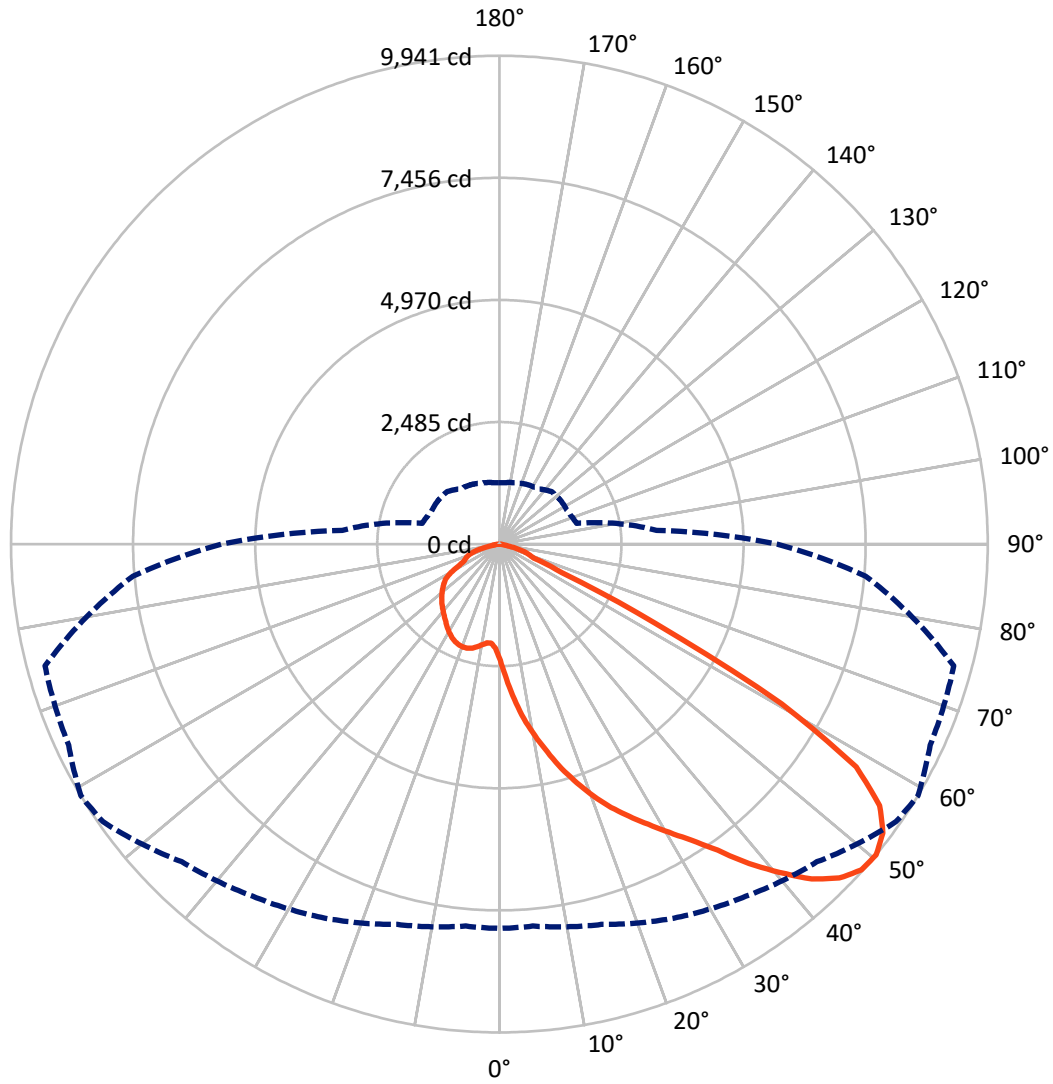
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P635413  
CATALOG NUMBER: GWS-SA3D-760-U-T2R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P635413

CATALOG NUMBER: GWS-SA3D-760-U-T2R-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3594.3	0.0	3594.3
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	12031.7	0.0	12031.7
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	15626.0	0.0	15626.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.6	1.7
10°-20°	964.1	6.2
20°-30°	1825.7	11.7
30°-40°	3027.5	19.4
40°-50°	4135.8	26.5
50°-60°	3754.2	24.0
60°-70°	1250.2	8.0
70°-80°	364.6	2.3
80°-90°	38.3	0.2
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°	15626.0	100.0
0°-180°	15626.0	100.0

**Coefficient of Utilization**



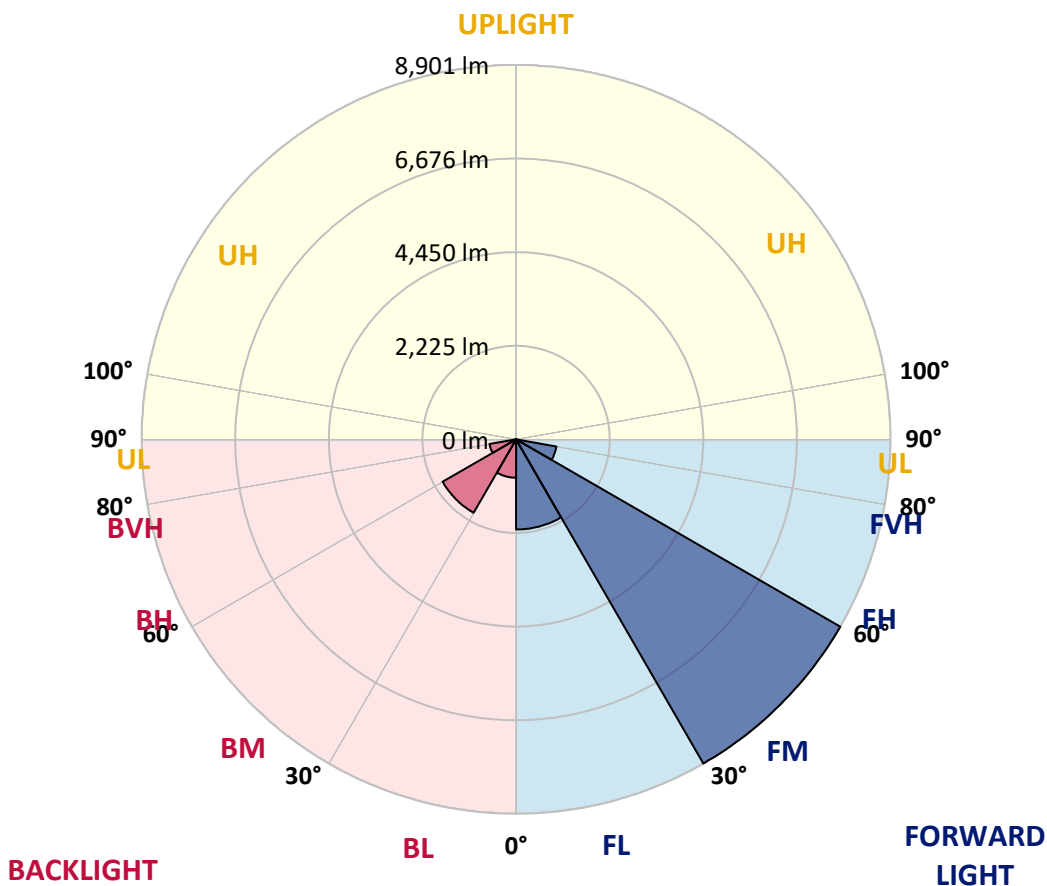
REPORT NUMBER: P635413

CATALOG NUMBER: GWS-SA3D-760-U-T2R-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2142.7	13.7			
FM (30°-60°)	8900.8	57.0			
FH (60°-80°)	973.3	6.2			G1/1800
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	912.7	5.8	B2/1000		
BM (30°-60°)	2016.7	12.9	B2/2500		
BH (60°-80°)	641.5	4.1	B2/1000		G2/1000
BVH (80°-90°)	23.3	0.1			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: P635413

CATALOG NUMBER: GWS-SA3D-760-U-T2R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4
2.5°	3067.5	3090.4	3054.8	3057.3	2968.2	2927.5	2812.9	2745.5	2700.9	2576.2	2462.9
5°	3686.1	3659.4	3631.4	3614.8	3537.2	3427.7	3285.2	3171.9	3067.5	2823.1	2587.6
7.5°	4065.4	4051.4	4032.3	4022.1	3945.7	3831.2	3688.6	3591.9	3440.4	3109.5	2739.1
10°	4387.4	4370.9	4359.4	4367.1	4304.7	4230.9	4075.6	3964.8	3794.3	3412.4	2922.4
12.5°	4636.9	4645.8	4649.6	4690.4	4663.6	4619.1	4458.7	4341.6	4151.9	3731.9	3137.5
15°	4834.2	4831.6	4876.2	4953.8	4997.1	4969.1	4840.5	4742.5	4510.9	4046.3	3369.2
17.5°	4880.0	4882.5	4952.6	5088.7	5230.0	5298.8	5226.2	5109.1	4880.0	4356.9	3609.7
20°	4916.9	4922.0	4994.6	5149.8	5356.0	5548.2	5559.7	5475.7	5278.4	4692.9	3854.1
22.5°	5149.8	5161.3	5180.4	5278.4	5464.2	5707.3	5841.0	5823.2	5657.7	5045.5	4117.6
25°	5762.1	5727.7	5634.8	5606.8	5678.1	5875.3	6103.2	6137.5	6056.1	5433.7	4401.4
27.5°	6518.1	6481.2	6343.7	6198.6	6044.6	6113.4	6356.5	6459.6	6460.8	5861.3	4686.5
30°	7204.2	7174.9	7062.9	6855.4	6589.4	6490.1	6669.6	6808.3	6891.1	6355.2	5011.1
32.5°	7790.9	7764.2	7612.8	7443.5	7183.8	6984.0	7048.9	7182.5	7376.0	6994.2	5414.6
35°	8284.8	8258.1	8113.0	7942.4	7701.8	7582.2	7559.3	7650.9	7901.7	7661.1	5877.9
37.5°	8685.7	8659.0	8507.5	8347.2	8163.9	8171.5	8205.9	8250.4	8394.3	8375.2	6373.0
40°	8945.4	8917.4	8809.2	8694.6	8578.8	8670.5	8841.0	8787.6	8863.9	8951.8	6828.7
42.5°	9061.2	9025.6	8963.2	8937.8	8902.1	9044.7	9373.1	9319.6	9228.0	9336.2	7167.3
45°	8945.4	8914.8	8913.6	8991.2	9074.0	9257.2	9740.9	9697.6	9466.0	9522.0	7369.6
47.5°	8590.3	8563.5	8636.1	8839.8	9043.4	9310.7	9905.1	9912.7	9635.3	9599.6	7500.7
50°	7822.8	7804.9	8015.0	8400.6	8751.9	9144.0	9852.9	9940.7	9676.0	9575.4	7484.2
52.5°	6262.3	6345.0	6802.0	7446.0	8128.2	8851.2	9659.4	9774.0	9480.0	9416.3	7395.1
55°	4286.9	4325.1	4782.0	5722.6	6804.5	8217.3	9215.2	9392.2	9248.3	9389.6	7488.0
57.5°	2219.8	2250.3	2610.6	3445.5	4615.3	6493.9	7981.9	8562.3	8781.2	9524.5	7776.9
60°	911.3	936.8	1085.7	1489.2	2328.0	3781.6	5744.2	6604.7	7118.9	8698.5	6906.3
62.5°	661.9	674.6	745.9	888.4	1219.4	1853.2	3250.8	3567.7	3929.2	5451.5	4384.9
65°	557.5	571.5	628.8	715.3	889.7	1136.6	1388.6	1396.3	1538.8	2221.1	1625.4
67.5°	467.1	479.9	530.8	604.6	719.1	807.0	745.9	747.1	744.6	805.7	779.0
70°	364.0	374.2	425.1	504.0	563.9	518.0	583.0	645.3	618.6	642.8	679.7
72.5°	266.0	277.5	322.0	381.8	366.6	369.1	472.2	535.9	520.6	547.3	581.7
75°	192.2	199.8	222.7	190.9	201.1	243.1	332.2	366.6	381.8	404.8	435.3
77.5°	62.4	62.4	70.0	87.8	109.5	134.9	169.3	183.3	206.2	231.7	253.3
80°	31.8	33.1	39.5	48.4	61.1	77.6	99.3	105.6	117.1	131.1	140.0
82.5°	15.3	16.5	19.1	24.2	31.8	40.7	54.7	61.1	68.7	77.6	84.0
85°	3.8	3.8	5.1	7.6	10.2	15.3	20.4	24.2	30.5	36.9	40.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	3.8	5.1	6.4	7.6	10.2
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: P635413

CATALOG NUMBER: GWS-SA3D-760-U-T2R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4	2367.4
2.5°	2412.0	2340.7	2249.1	2171.4	2100.2	2045.4	1998.3	1975.4	1953.8	1938.5	1943.6
5°	2478.2	2356.0	2185.4	2067.1	1994.5	1957.6	1932.1	1919.4	1916.9	1906.7	1902.9
7.5°	2574.9	2400.5	2172.7	2053.1	2004.7	1985.6	1971.6	1964.0	1967.8	1957.6	1953.8
10°	2694.6	2474.4	2204.5	2098.9	2056.9	2042.9	2027.6	2017.4	2012.3	1997.1	1994.5
12.5°	2843.5	2566.0	2261.8	2157.4	2115.4	2091.2	2070.9	2053.1	2041.6	2022.5	2017.4
15°	3003.9	2667.8	2329.3	2214.7	2165.1	2129.4	2096.3	2069.6	2049.2	2023.8	2020.0
17.5°	3178.2	2774.8	2385.3	2254.2	2190.5	2143.4	2095.1	2055.6	2027.6	1994.5	1990.7
20°	3360.3	2882.9	2427.3	2273.3	2191.8	2128.2	2063.2	2011.1	1975.4	1942.3	1939.8
22.5°	3548.6	2982.2	2452.7	2268.2	2171.4	2092.5	2014.9	1956.3	1914.3	1874.9	1872.3
25°	3738.3	3077.7	2459.1	2247.8	2130.7	2039.1	1961.4	1892.7	1845.6	1801.0	1796.0
27.5°	3930.5	3157.9	2443.8	2207.1	2076.0	1976.7	1899.1	1831.6	1783.2	1738.7	1731.0
30°	4135.4	3226.6	2410.7	2153.6	2012.3	1910.5	1834.1	1783.2	1737.4	1692.9	1685.2
32.5°	4354.3	3286.4	2363.6	2088.7	1938.5	1844.3	1788.3	1742.5	1696.7	1657.2	1649.6
35°	4615.3	3325.9	2293.6	2004.7	1869.8	1796.0	1757.8	1704.3	1648.3	1605.0	1601.2
37.5°	4885.1	3356.4	2209.6	1924.5	1810.0	1768.0	1736.1	1663.6	1593.6	1541.4	1535.0
40°	5146.0	3381.9	2105.2	1849.4	1755.2	1747.6	1704.3	1613.9	1493.0	1434.5	1429.4
42.5°	5389.1	3389.5	1995.8	1769.2	1705.6	1701.8	1653.4	1513.4	1420.5	1383.6	1378.5
45°	5555.9	3383.2	1882.5	1694.1	1655.9	1635.6	1584.7	1440.8	1383.6	1350.5	1344.1
47.5°	5679.3	3350.1	1755.2	1615.2	1599.9	1571.9	1462.5	1395.0	1341.6	1308.5	1302.1
50°	5657.7	3212.6	1626.7	1538.8	1532.5	1508.3	1373.4	1337.7	1290.6	1255.0	1249.9
52.5°	5545.7	2951.7	1495.6	1454.8	1467.6	1420.5	1309.7	1269.0	1228.3	1187.5	1178.6
55°	5573.7	2763.3	1396.3	1373.4	1396.3	1289.4	1238.5	1195.2	1157.0	1117.5	1109.9
57.5°	5695.9	2577.5	1290.6	1285.6	1309.7	1188.8	1146.8	1092.1	1037.4	1005.5	1005.5
60°	4783.3	1878.7	1104.8	1117.5	1172.3	1107.4	1070.4	1014.4	954.6	926.6	926.6
62.5°	2828.2	1178.6	916.4	902.4	936.8	977.5	997.9	952.1	880.8	843.9	845.2
65°	1246.1	857.9	808.2	796.8	786.6	814.6	870.6	874.4	799.3	756.1	757.3
67.5°	767.5	776.4	756.1	747.1	738.2	733.1	728.1	730.6	710.2	670.8	669.5
70°	692.4	716.6	702.6	695.0	683.5	674.6	644.0	594.4	560.0	549.9	561.3
72.5°	595.7	628.8	621.1	617.3	603.3	581.7	540.9	492.6	451.9	426.4	431.5
75°	449.3	476.0	479.9	481.1	465.9	445.5	403.5	362.8	327.1	300.4	306.8
77.5°	258.4	273.7	277.5	281.3	269.8	262.2	234.2	204.9	185.8	157.8	165.5
80°	143.8	150.2	150.2	151.5	145.1	136.2	117.1	100.6	91.6	78.9	80.2
82.5°	86.6	89.1	90.4	91.6	87.8	78.9	64.9	53.5	48.4	42.0	40.7
85°	42.0	44.5	44.5	45.8	39.5	34.4	26.7	20.4	17.8	12.7	14.0
87.5°	10.2	11.5	11.5	10.2	8.9	6.4	3.8	1.3	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)