

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: P635578

Luminaire Tested: GWS-SA3E-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635578
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-SA3E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14256.7 lumens
Efficiency: N/A
Efficacy: 89.6 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

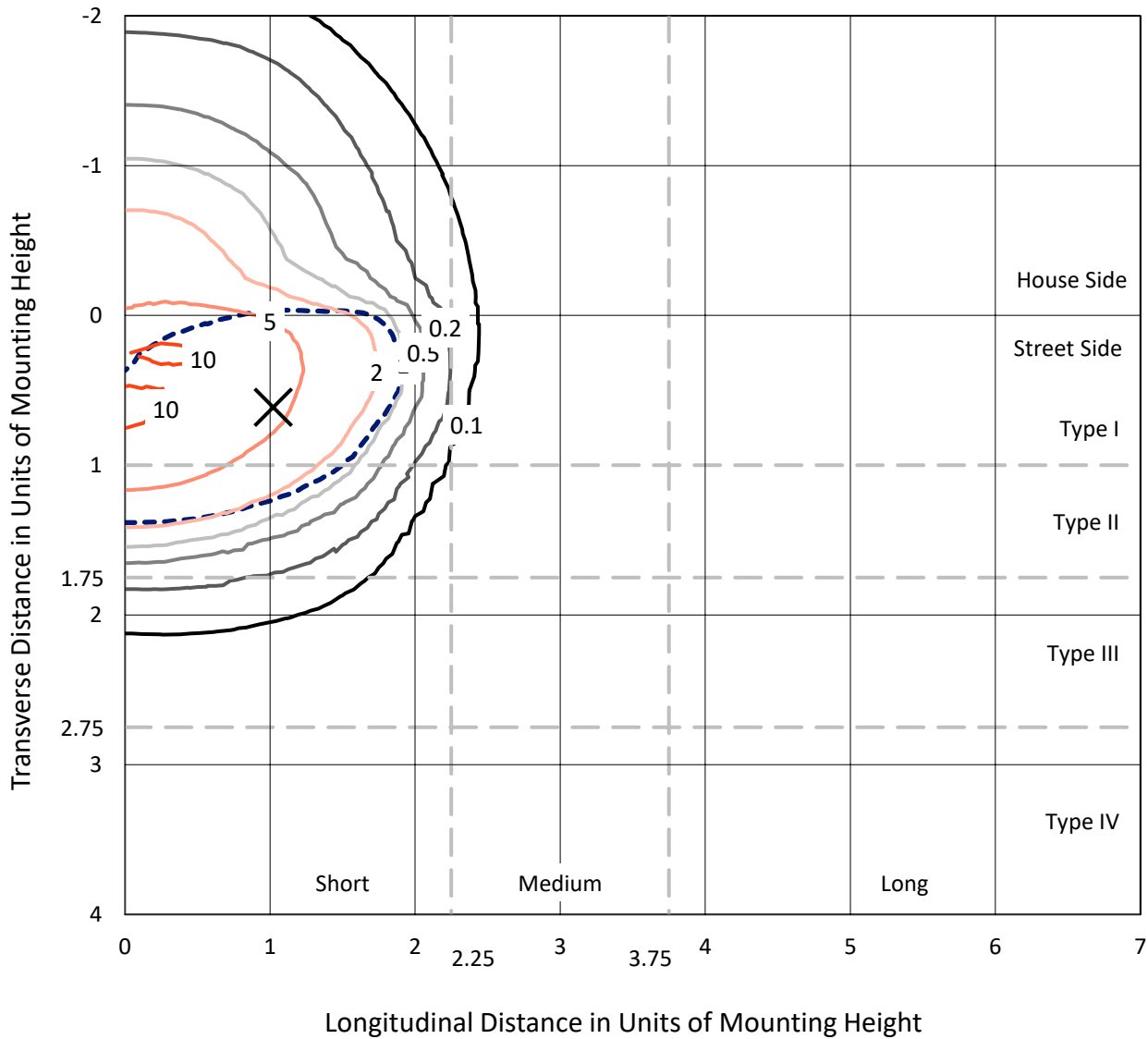
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635578
 CATALOG NUMBER: GWS-SA3E-722-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

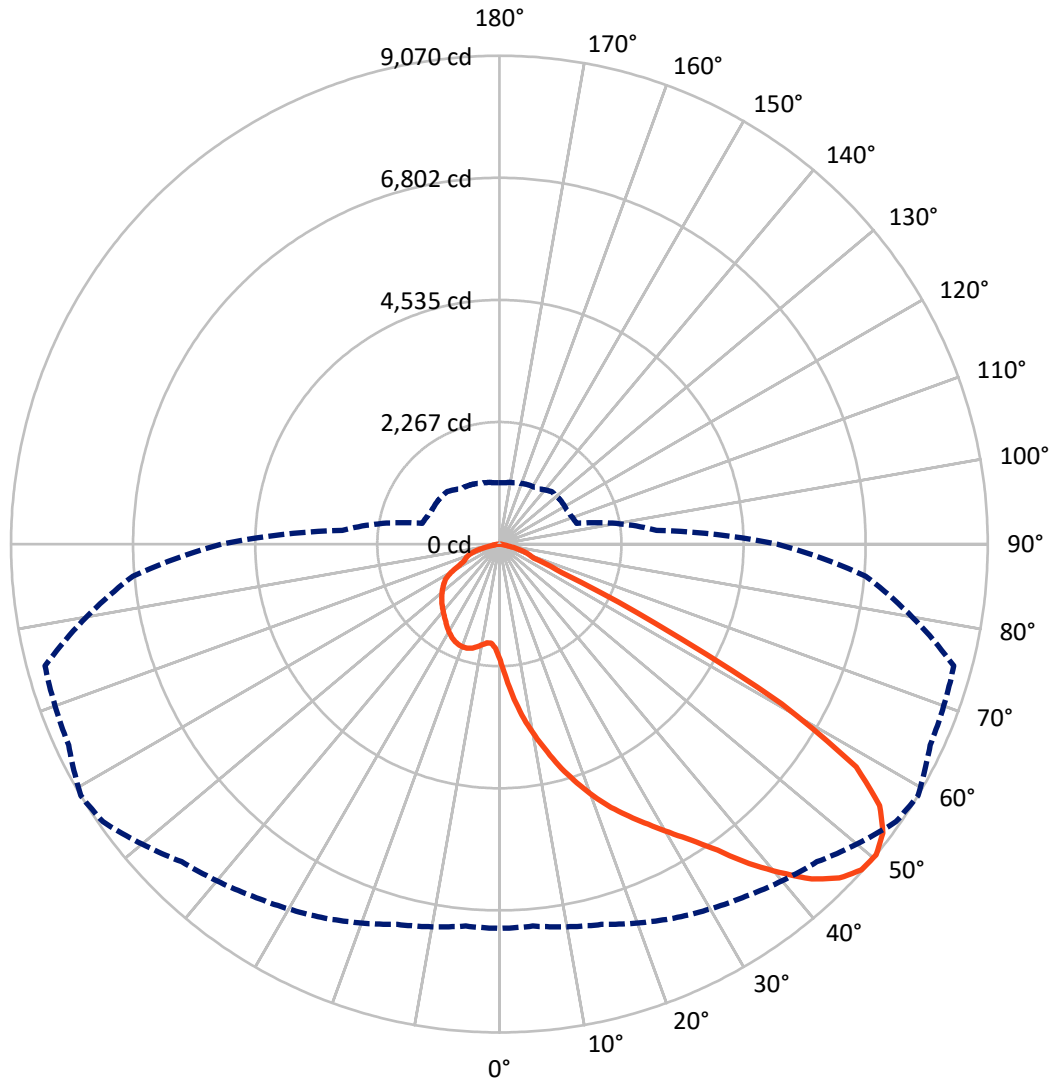
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P635578
CATALOG NUMBER: GWS-SA3E-722-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635578

CATALOG NUMBER: GWS-SA3E-722-U-T2R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3279.3	0.0	3279.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	10977.4	0.0	10977.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	14256.7	0.0	14256.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	1.7
10°-20°	879.6	6.2
20°-30°	1665.7	11.7
30°-40°	2762.2	19.4
40°-50°	3773.3	26.5
50°-60°	3425.2	24.0
60°-70°	1140.6	8.0
70°-80°	332.7	2.3
80°-90°	34.9	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°	14256.7	100.0
0°-180°	14256.7	100.0

Coefficient of Utilization



REPORT NUMBER: P635578

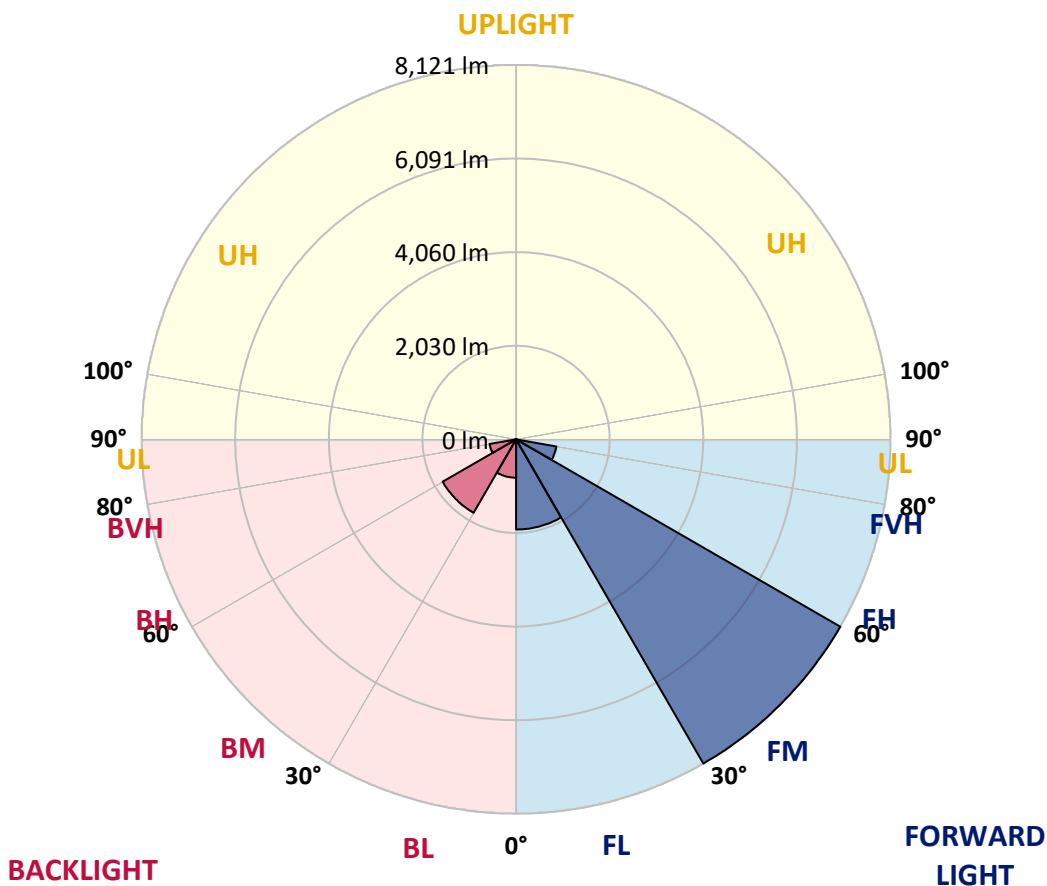
CATALOG NUMBER: GWS-SA3E-722-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1954.9	13.7			
FM (30°-60°)	8120.8	57.0			
FH (60°-80°)	888.0	6.2			G1/1800
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	832.7	5.8	B2/1000		
BM (30°-60°)	1840.0	12.9	B2/2500		
BH (60°-80°)	585.3	4.1	B2/1000		G2/1000
BVH (80°-90°)	21.3	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: P635578

CATALOG NUMBER: GWS-SA3E-722-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0
2.5°	2798.7	2819.6	2787.1	2789.4	2708.1	2671.0	2566.4	2504.9	2464.2	2350.4	2247.1
5°	3363.1	3338.7	3313.1	3298.1	3227.2	3127.3	2997.3	2893.9	2798.7	2575.7	2360.9
7.5°	3709.1	3696.4	3679.0	3669.7	3600.0	3495.5	3365.4	3277.1	3139.0	2837.0	2499.1
10°	4003.0	3987.9	3977.4	3984.4	3927.5	3860.1	3718.4	3617.4	3461.8	3113.4	2666.3
12.5°	4230.6	4238.7	4242.2	4279.3	4254.9	4214.3	4068.0	3961.1	3788.1	3404.9	2862.6
15°	4410.6	4408.2	4448.9	4519.7	4559.2	4533.7	4416.4	4326.9	4115.6	3691.7	3073.9
17.5°	4452.4	4454.7	4518.6	4642.8	4771.7	4834.4	4768.2	4661.4	4452.4	3975.1	3293.4
20°	4486.0	4490.7	4556.9	4698.6	4886.7	5062.0	5072.5	4995.8	4815.9	4281.7	3516.4
22.5°	4698.6	4709.0	4726.4	4815.9	4985.4	5207.2	5329.1	5312.9	5161.9	4603.3	3756.8
25°	5257.1	5225.8	5141.0	5115.5	5180.5	5360.5	5568.4	5599.7	5525.4	4957.5	4015.7
27.5°	5946.9	5913.3	5787.8	5655.5	5514.9	5577.7	5799.5	5893.5	5894.7	5347.7	4275.9
30°	6572.9	6546.2	6444.0	6254.7	6012.0	5921.4	6085.1	6211.7	6287.2	5798.3	4572.0
32.5°	7108.2	7083.8	6945.6	6791.2	6554.3	6372.0	6431.2	6553.1	6729.6	6381.3	4940.1
35°	7558.8	7534.4	7402.0	7246.4	7026.9	6917.8	6896.9	6980.5	7209.3	6989.8	5362.8
37.5°	7924.6	7900.2	7762.0	7615.7	7448.5	7455.5	7486.8	7527.5	7658.7	7641.3	5814.6
40°	8161.5	8136.0	8037.3	7932.7	7827.1	7910.7	8066.3	8017.5	8087.2	8167.3	6230.3
42.5°	8267.2	8234.7	8177.8	8154.5	8122.0	8252.1	8551.7	8502.9	8419.3	8518.0	6539.2
45°	8161.5	8133.6	8132.5	8203.3	8278.8	8446.0	8887.3	8847.8	8636.5	8687.6	6723.8
47.5°	7837.5	7813.1	7879.3	8065.1	8250.9	8494.8	9037.1	9044.1	8790.9	8758.4	6843.5
50°	7137.3	7121.0	7312.6	7664.5	7985.0	8342.7	8989.5	9069.6	8828.1	8736.4	6828.4
52.5°	5713.5	5789.0	6205.9	6793.5	7416.0	8075.6	8813.0	8917.5	8649.3	8591.2	6747.1
55°	3911.2	3946.0	4362.9	5221.1	6208.2	7497.3	8407.7	8569.1	8437.9	8566.8	6831.8
57.5°	2025.3	2053.2	2381.8	3143.6	4210.8	5924.9	7282.4	7812.0	8011.7	8689.9	7095.5
60°	831.5	854.7	990.6	1358.7	2124.0	3450.2	5240.9	6025.9	6495.1	7936.2	6301.1
62.5°	603.9	615.5	680.5	810.6	1112.5	1690.8	2965.9	3255.1	3584.9	4973.8	4000.6
65°	508.6	521.4	573.7	652.6	811.7	1037.0	1267.0	1273.9	1404.0	2026.4	1483.0
67.5°	426.2	437.8	484.3	551.6	656.1	736.3	680.5	681.7	679.4	735.1	710.7
70°	332.1	341.4	387.9	459.9	514.4	472.6	531.9	588.8	564.4	586.4	620.1
72.5°	242.7	253.2	293.8	348.4	334.5	336.8	430.8	488.9	475.0	499.4	530.7
75°	175.4	182.3	203.2	174.2	183.5	221.8	303.1	334.5	348.4	369.3	397.2
77.5°	56.9	56.9	63.9	80.1	99.9	123.1	154.5	167.2	188.1	211.4	231.1
80°	29.0	30.2	36.0	44.1	55.7	70.8	90.6	96.4	106.8	119.6	127.7
82.5°	13.9	15.1	17.4	22.1	29.0	37.2	49.9	55.7	62.7	70.8	76.6
85°	3.5	3.5	4.6	7.0	9.3	13.9	18.6	22.1	27.9	33.7	37.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	3.5	4.6	5.8	7.0	9.3
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: P635578

CATALOG NUMBER: GWS-SA3E-722-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0
2.5°	2200.6	2135.6	2052.0	1981.2	1916.1	1866.2	1823.2	1802.3	1782.6	1768.6	1773.3
5°	2261.0	2149.5	1993.9	1885.9	1819.7	1786.1	1762.8	1751.2	1748.9	1739.6	1736.1
7.5°	2349.3	2190.2	1982.3	1873.2	1829.0	1811.6	1798.8	1791.9	1795.3	1786.1	1782.6
10°	2458.4	2257.5	2011.3	1915.0	1876.6	1863.9	1849.9	1840.6	1836.0	1822.1	1819.7
12.5°	2594.3	2341.2	2063.6	1968.4	1930.1	1908.0	1889.4	1873.2	1862.7	1845.3	1840.6
15°	2740.6	2434.1	2125.2	2020.6	1975.3	1942.8	1912.6	1888.3	1869.7	1846.4	1843.0
17.5°	2899.7	2531.6	2176.2	2056.6	1998.6	1955.6	1911.5	1875.5	1849.9	1819.7	1816.3
20°	3065.8	2630.3	2214.6	2074.1	1999.7	1941.7	1882.4	1834.8	1802.3	1772.1	1769.8
22.5°	3237.7	2720.9	2237.8	2069.4	1981.2	1909.2	1838.3	1784.9	1746.6	1710.6	1708.3
25°	3410.7	2808.0	2243.6	2050.8	1944.0	1860.4	1789.5	1726.8	1683.9	1643.2	1638.6
27.5°	3586.0	2881.1	2229.7	2013.7	1894.1	1803.5	1732.6	1671.1	1627.0	1586.3	1579.3
30°	3773.0	2943.9	2199.5	1964.9	1836.0	1743.1	1673.4	1627.0	1585.2	1544.5	1537.5
32.5°	3972.8	2998.4	2156.5	1905.7	1768.6	1682.7	1631.6	1589.8	1548.0	1512.0	1505.0
35°	4210.8	3034.4	2092.6	1829.0	1705.9	1638.6	1603.7	1555.0	1503.9	1464.4	1460.9
37.5°	4457.0	3062.3	2016.0	1755.9	1651.3	1613.0	1584.0	1517.8	1453.9	1406.3	1400.5
40°	4695.1	3085.5	1920.8	1687.3	1601.4	1594.4	1555.0	1472.5	1362.2	1308.8	1304.1
42.5°	4916.9	3092.5	1820.9	1614.2	1556.1	1552.6	1508.5	1380.8	1296.0	1262.3	1257.7
45°	5069.0	3086.7	1717.5	1545.7	1510.8	1492.3	1445.8	1314.6	1262.3	1232.1	1226.3
47.5°	5181.7	3056.5	1601.4	1473.7	1459.7	1434.2	1334.3	1272.8	1224.0	1193.8	1188.0
50°	5161.9	2931.1	1484.1	1404.0	1398.2	1376.1	1253.0	1220.5	1177.5	1145.0	1140.4
52.5°	5059.7	2693.0	1364.5	1327.3	1339.0	1296.0	1195.0	1157.8	1120.6	1083.5	1075.4
55°	5085.3	2521.2	1273.9	1253.0	1273.9	1176.4	1129.9	1090.4	1055.6	1019.6	1012.6
57.5°	5196.8	2351.6	1177.5	1172.9	1195.0	1084.6	1046.3	996.4	946.4	917.4	917.4
60°	4364.1	1714.1	1008.0	1019.6	1069.5	1010.3	976.6	925.5	871.0	845.4	845.4
62.5°	2580.4	1075.4	836.1	823.4	854.7	891.9	910.4	868.6	803.6	769.9	771.1
65°	1136.9	782.7	737.4	727.0	717.7	743.2	794.3	797.8	729.3	689.8	691.0
67.5°	700.3	708.4	689.8	681.7	673.5	668.9	664.3	666.6	648.0	612.0	610.8
70°	631.7	653.8	641.0	634.1	623.6	615.5	587.6	542.3	511.0	501.7	512.1
72.5°	543.5	573.7	566.7	563.2	550.4	530.7	493.5	449.4	412.3	389.0	393.7
75°	409.9	434.3	437.8	439.0	425.0	406.4	368.1	331.0	298.5	274.1	279.9
77.5°	235.7	249.7	253.2	256.6	246.2	239.2	213.7	187.0	169.5	144.0	151.0
80°	131.2	137.0	137.0	138.2	132.4	124.3	106.8	91.7	83.6	72.0	73.2
82.5°	79.0	81.3	82.5	83.6	80.1	72.0	59.2	48.8	44.1	38.3	37.2
85°	38.3	40.6	40.6	41.8	36.0	31.4	24.4	18.6	16.3	11.6	12.8
87.5°	9.3	10.5	10.5	9.3	8.1	5.8	3.5	1.2	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)