

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: P640010

Luminaire Tested: GWS-SA5D-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18846.8 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

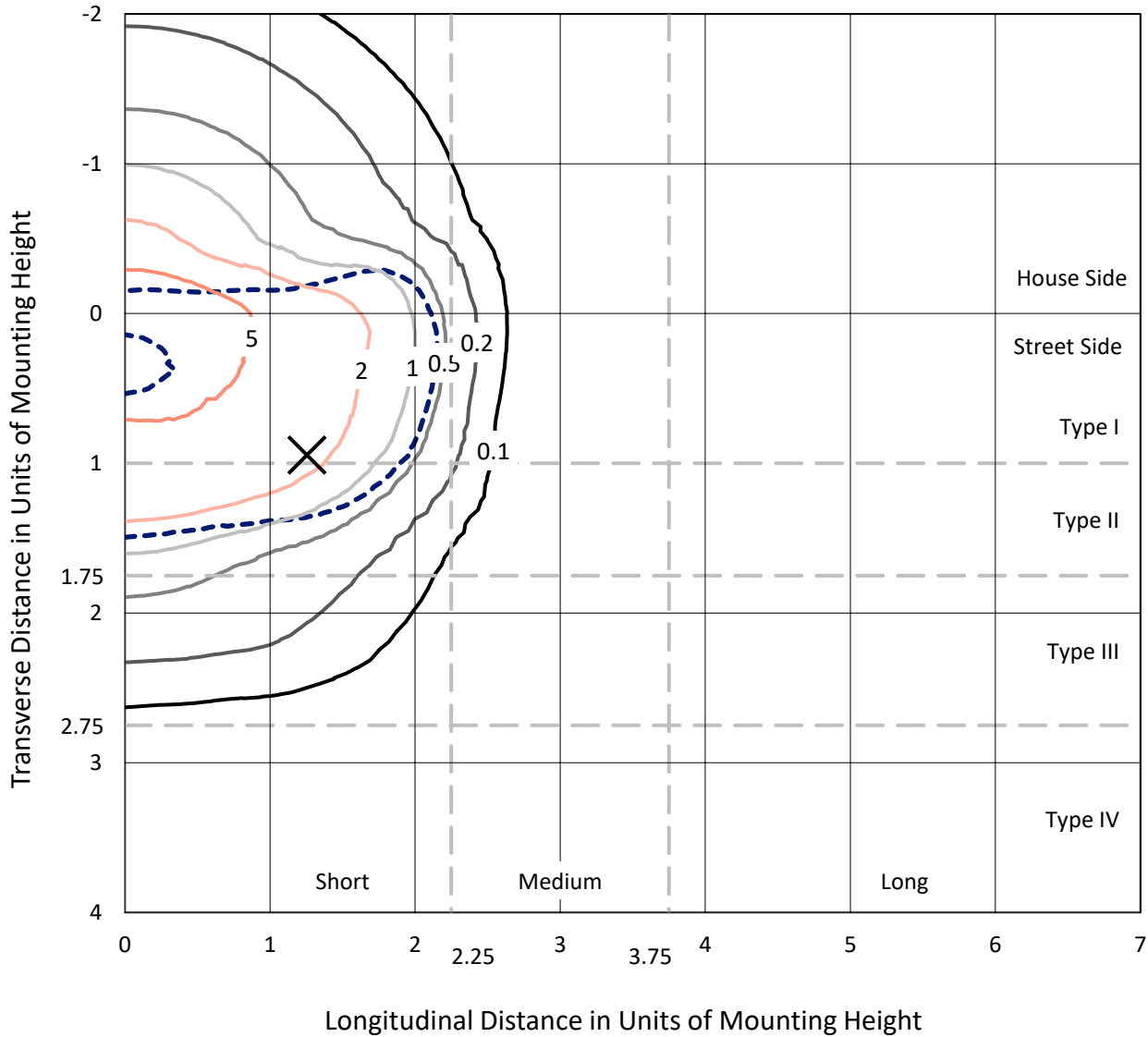
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640010
 CATALOG NUMBER: GWS-SA5D-722-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

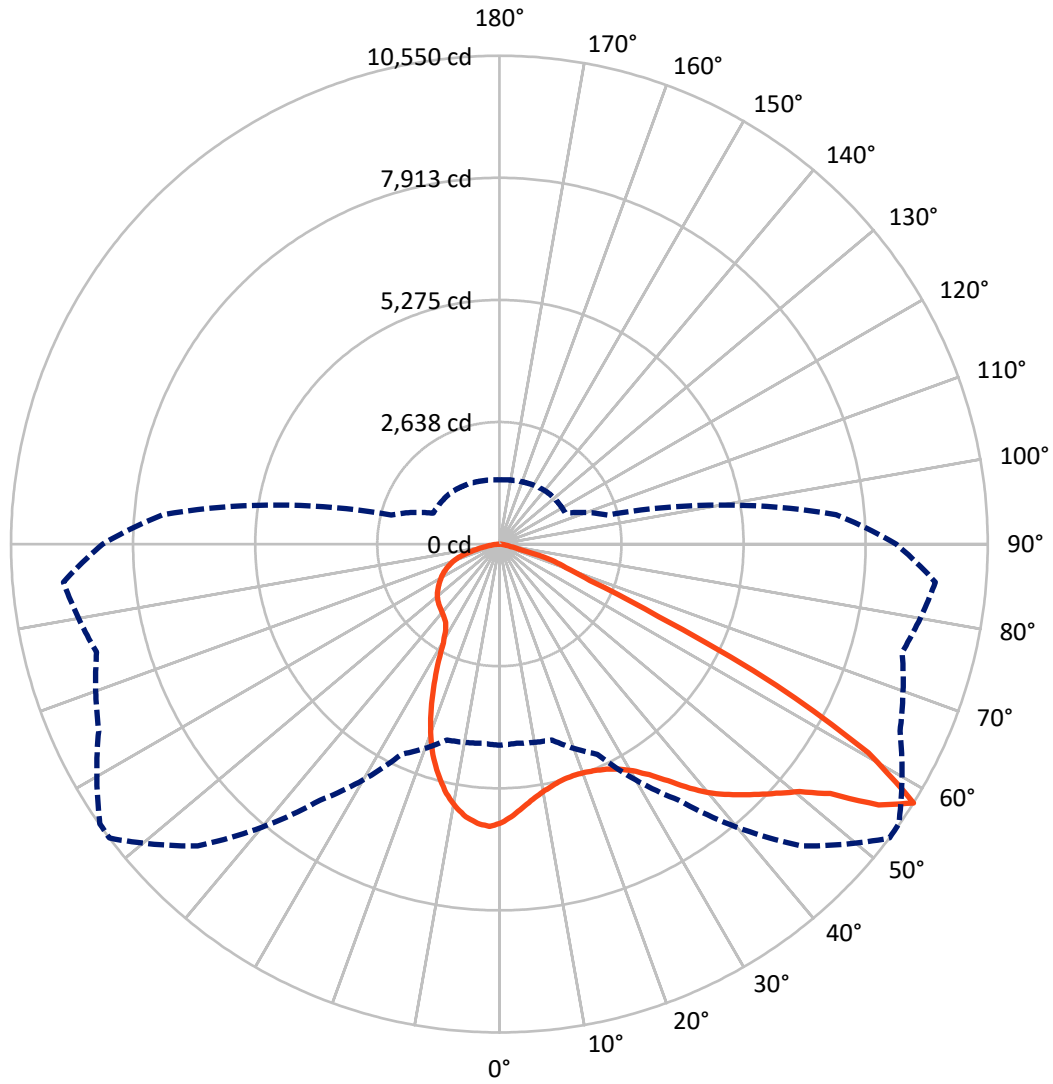
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

REPORT NUMBER: P640010
CATALOG NUMBER: GWS-SA5D-722-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P640010

CATALOG NUMBER: GWS-SA5D-722-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5892.7	0.0	5892.7
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	12954.1	0.0	12954.1
	% Fixture	68.7	0.0	68.7
Total	Lumens	18846.8	0.0	18846.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.2	2.9
10°-20°	1427.8	7.6
20°-30°	2103.7	11.2
30°-40°	2944.6	15.6
40°-50°	3870.9	20.5
50°-60°	4538.6	24.1
60°-70°	2673.8	14.2
70°-80°	665.1	3.5
80°-90°	78.0	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°	18846.8	100.0
0°-180°	18846.8	100.0

Coefficient of Utilization



REPORT NUMBER: P640010

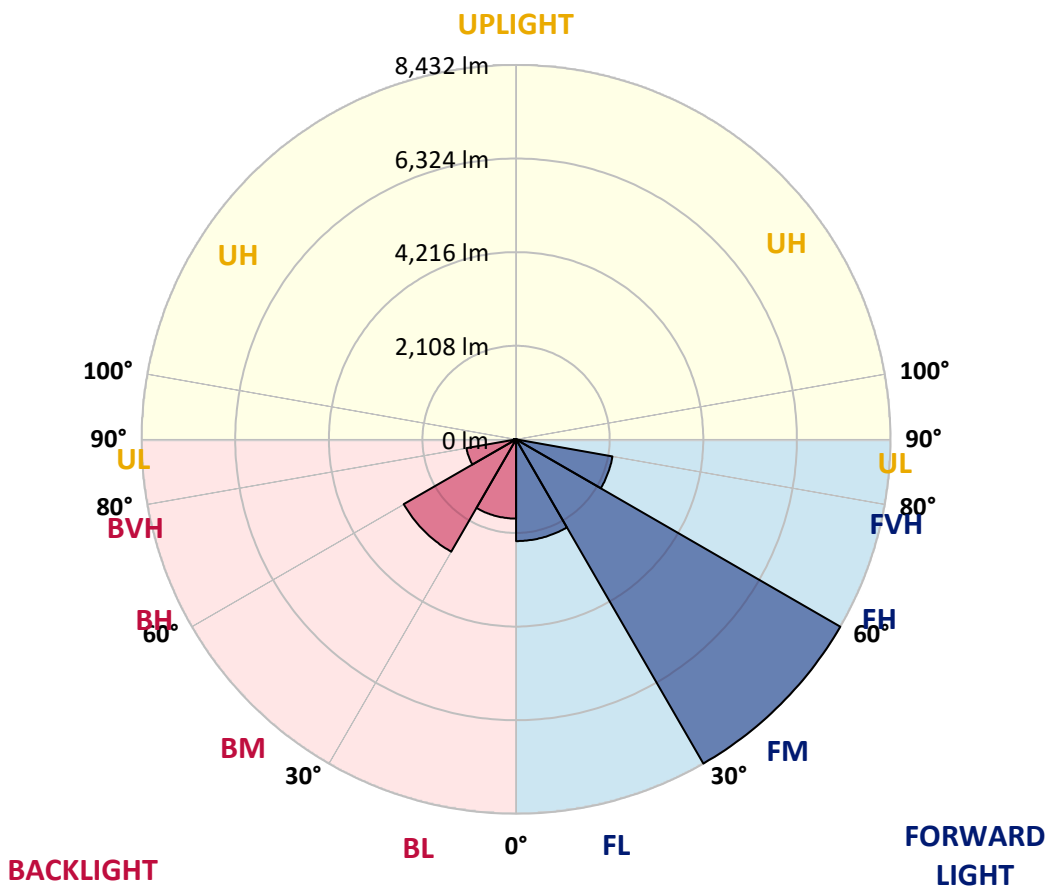
CATALOG NUMBER: GWS-SA5D-722-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2291.4	12.2			
FM (30°-60°)	8432.2	44.7			
FH (60°-80°)	2204.4	11.7			G2/5000
FVH (80°-90°)	26.1	0.1			G1/100
BL (0°-30°)	1784.3	9.5	B3/2500		
BM (30°-60°)	2921.9	15.5	B3/5000		
BH (60°-80°)	1134.5	6.0	B3/2500		G3/2500
BVH (80°-90°)	51.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P640010

CATALOG NUMBER: GWS-SA5D-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3
2.5°	5672.5	5688.3	5691.5	5740.7	5743.9	5815.3	5862.8	5853.3	5902.5	5962.8	6010.4
5°	5401.2	5402.8	5418.7	5477.4	5509.1	5602.7	5682.0	5682.0	5777.2	5900.9	6007.2
7.5°	5177.6	5176.0	5190.3	5255.3	5307.6	5420.3	5528.1	5540.8	5674.1	5854.9	6027.8
10°	4969.8	4980.9	4996.7	5076.1	5142.7	5282.3	5410.8	5431.4	5599.5	5823.2	6056.4
12.5°	4836.5	4838.1	4861.9	4950.7	5036.4	5185.5	5320.3	5345.7	5539.2	5793.0	6077.0
15°	4750.9	4752.5	4777.8	4876.2	4976.1	5126.8	5264.8	5293.4	5504.3	5788.3	6116.6
17.5°	4712.8	4711.2	4735.0	4833.4	4942.8	5099.8	5247.4	5282.3	5520.2	5824.8	6186.4
20°	4712.8	4714.4	4727.1	4815.9	4926.9	5093.5	5264.8	5307.6	5582.1	5907.3	6294.3
22.5°	4779.4	4785.8	4792.1	4852.4	4939.6	5103.0	5310.8	5367.9	5715.3	6045.3	6435.5
25°	4909.5	4911.1	4917.4	4966.6	5006.3	5130.0	5387.0	5472.6	5923.1	6246.7	6613.1
27.5°	5084.0	5106.2	5112.5	5144.3	5144.3	5196.6	5505.9	5629.7	6203.9	6537.0	6840.0
30°	5328.3	5336.2	5347.3	5382.2	5344.1	5321.9	5680.4	5839.0	6529.1	6887.6	7112.8
32.5°	5542.4	5559.9	5620.1	5677.2	5609.0	5539.2	5937.4	6124.6	6841.6	7252.4	7403.1
35°	5724.8	5767.7	5883.5	6010.4	5962.8	5893.0	6278.4	6473.6	7098.5	7514.1	7660.1
37.5°	5945.3	5978.6	6137.3	6343.5	6386.3	6353.0	6694.0	6833.6	7269.9	7580.8	7799.7
40°	6169.0	6219.7	6424.4	6709.9	6873.3	6897.1	7077.9	7171.5	7328.5	7450.7	7772.7
42.5°	6397.4	6484.7	6765.4	7098.5	7388.8	7442.8	7401.5	7441.2	7309.5	7271.4	7647.4
45°	6676.6	6779.7	7097.0	7522.1	7904.4	7988.4	7718.8	7682.3	7306.3	7203.2	7569.7
47.5°	7006.5	7109.6	7412.6	7907.5	8396.1	8458.0	8044.0	7977.3	7417.4	7307.9	7674.4
50°	7298.4	7369.8	7641.0	8194.6	8854.5	8891.0	8402.4	8321.6	7693.4	7598.2	8001.1
52.5°	7001.8	6993.8	7279.4	7961.5	9092.5	9531.9	8954.5	8876.7	8226.4	8080.4	8507.1
55°	5940.6	5850.1	6105.5	6776.5	8427.8	10101.3	9944.3	9788.8	8937.0	8565.8	8981.4
57.5°	4343.2	4317.8	4379.7	5009.4	6751.1	9219.4	10550.3	10536.0	9550.9	9010.0	9454.1
60°	3396.2	3358.1	3193.2	3210.6	4601.8	7201.6	9155.9	9576.3	9931.6	9276.5	9784.1
62.5°	3015.5	2986.9	2901.3	2664.9	2741.1	4828.6	6711.5	7097.0	8678.5	8193.1	8404.0
65°	2496.8	2488.9	2560.2	2550.7	2296.9	2666.5	3788.0	4176.6	5456.8	5525.0	5456.8
67.5°	1814.7	1800.4	1981.2	2338.2	2211.3	2013.0	2111.3	2246.2	2798.2	2512.6	2262.0
70°	1180.2	1159.6	1264.3	1689.4	1979.7	1754.4	1521.2	1499.0	1538.7	956.5	1034.2
72.5°	791.5	767.8	766.2	929.6	1196.0	1181.8	1178.6	1167.5	1042.2	755.1	837.5
75°	441.0	421.9	417.2	401.3	428.3	436.2	464.8	480.6	520.3	572.6	634.5
77.5°	74.6	73.0	92.0	117.4	161.8	207.8	257.0	271.3	334.7	396.6	436.2
80°	41.2	42.8	55.5	68.2	90.4	123.7	158.6	168.1	206.2	239.5	271.3
82.5°	22.2	22.2	28.6	36.5	49.2	65.0	85.7	93.6	119.0	139.6	161.8
85°	7.9	7.9	11.1	14.3	20.6	27.0	33.3	38.1	52.3	71.4	80.9
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.3	6.3	7.9	14.3	20.6
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: P640010
 CATALOG NUMBER: GWS-SA5D-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3	6018.3
2.5°	6050.0	6007.2	6065.9	6092.8	6102.4	6108.7	6067.5	6038.9	6029.4	5999.3	5981.8
5°	6072.2	6043.7	6099.2	6099.2	6059.5	6018.3	5934.2	5875.5	5834.3	5785.1	5777.2
7.5°	6110.3	6089.7	6119.8	6057.9	5958.0	5847.0	5701.0	5586.8	5494.8	5434.5	5436.1
10°	6161.1	6135.7	6111.9	5973.9	5791.5	5586.8	5363.2	5196.6	5044.3	4974.5	4936.5
12.5°	6194.4	6157.9	6057.9	5829.5	5561.4	5287.0	4971.4	4723.9	4503.4	4403.5	4395.5
15°	6235.6	6169.0	5969.1	5642.3	5269.6	4895.2	4489.1	4144.9	3846.7	3691.2	3683.3
17.5°	6289.5	6180.1	5862.8	5428.2	4961.8	4409.8	3899.0	3466.0	3148.7	3028.2	3048.8
20°	6365.7	6192.8	5742.3	5190.3	4579.5	3857.8	3221.7	2823.6	2701.4	2693.5	2677.6
22.5°	6451.3	6200.7	5609.0	4923.8	4116.4	3269.3	2661.8	2492.0	2490.4	2530.1	2539.6
25°	6548.1	6207.1	5458.3	4612.9	3615.1	2682.4	2354.0	2303.3	2342.9	2417.5	2427.0
27.5°	6671.8	6219.7	5275.9	4271.8	3082.1	2317.5	2184.3	2171.6	2219.2	2289.0	2285.8
30°	6854.3	6265.7	5082.4	3880.0	2534.9	2144.6	2081.2	2082.8	2101.8	2135.1	2139.9
32.5°	7039.8	6337.1	4893.6	3439.0	2220.8	2046.3	2017.7	2014.6	2014.6	2028.8	2032.0
35°	7215.9	6418.0	4689.0	2979.0	2068.5	1989.2	1970.1	1960.6	1955.9	1952.7	1947.9
37.5°	7314.3	6457.7	4489.1	2525.3	1987.6	1951.1	1932.1	1919.4	1901.9	1889.2	1886.1
40°	7271.4	6411.7	4257.5	2185.9	1938.4	1914.6	1892.4	1875.0	1851.2	1840.1	1833.7
42.5°	7128.7	6268.9	4005.3	2025.7	1898.8	1875.0	1848.0	1819.4	1803.6	1794.1	1792.5
45°	6978.0	6096.0	3700.8	1932.1	1860.7	1832.1	1800.4	1768.7	1751.2	1746.5	1744.9
47.5°	6973.2	6010.4	3377.2	1857.5	1814.7	1786.1	1746.5	1714.8	1695.7	1689.4	1683.0
50°	7182.6	6097.6	3012.3	1792.5	1767.1	1737.0	1692.5	1657.6	1633.9	1625.9	1624.3
52.5°	7617.2	6426.0	2685.5	1727.4	1703.6	1668.8	1632.3	1597.4	1568.8	1554.5	1553.0
55°	8086.8	6843.2	2482.5	1660.8	1629.1	1599.0	1565.6	1527.6	1495.8	1473.6	1470.5
57.5°	8572.2	7298.4	2420.6	1576.7	1553.0	1532.3	1492.7	1451.4	1414.9	1394.3	1389.6
60°	8971.9	7690.2	2536.4	1487.9	1475.2	1448.3	1411.8	1372.1	1346.7	1330.9	1327.7
62.5°	7511.0	6261.0	2047.9	1391.2	1391.2	1362.6	1321.4	1292.8	1275.4	1264.3	1261.1
65°	4766.7	3876.8	1397.5	1294.4	1292.8	1254.7	1219.8	1200.8	1192.9	1175.4	1172.3
67.5°	2076.4	1771.9	1194.5	1196.0	1189.7	1148.5	1113.6	1099.3	1083.4	1064.4	1062.8
70°	1077.1	1097.7	1069.1	1086.6	1075.5	1026.3	993.0	970.8	937.5	918.4	920.0
72.5°	869.3	891.5	923.2	950.2	926.4	886.7	834.4	807.4	764.6	744.0	745.5
75°	663.1	686.9	717.0	745.5	726.5	677.3	644.0	617.1	567.9	544.1	548.8
77.5°	456.8	469.5	506.0	504.4	498.1	483.8	434.6	402.9	352.2	323.6	326.8
80°	283.9	291.9	309.3	317.3	314.1	295.0	255.4	231.6	201.5	184.0	185.6
82.5°	171.3	176.1	191.9	193.5	191.9	177.7	147.5	130.1	111.0	101.5	101.5
85°	87.2	90.4	99.9	99.9	90.4	76.1	68.2	60.3	49.2	44.4	44.4
87.5°	23.8	23.8	30.1	25.4	20.6	19.0	9.5	7.9	3.2	1.6	1.6
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)