

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: P634298

Luminaire Tested: GWS-SA3B-740-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9989.5 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

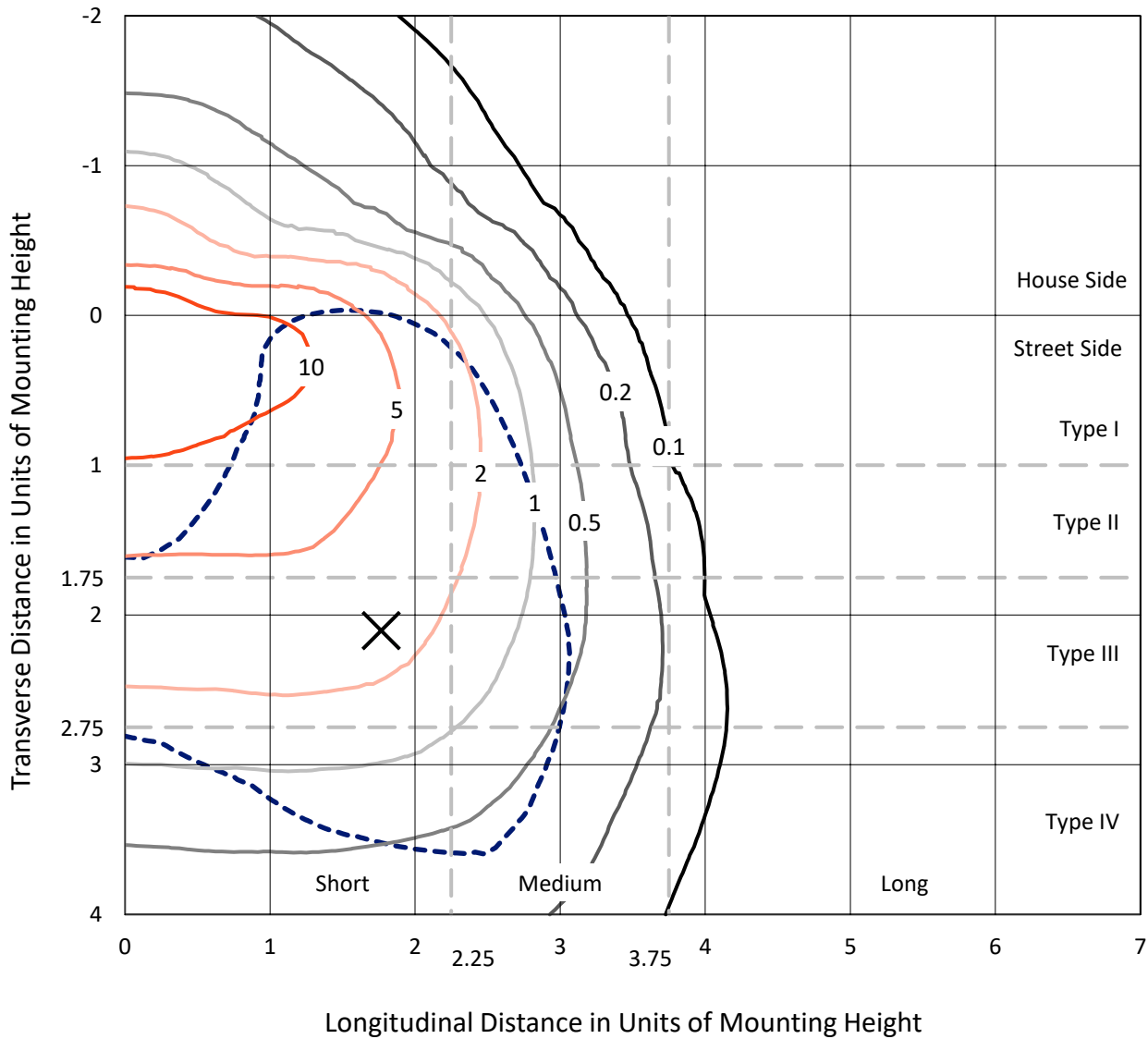
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634298
 CATALOG NUMBER: GWS-SA3B-740-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

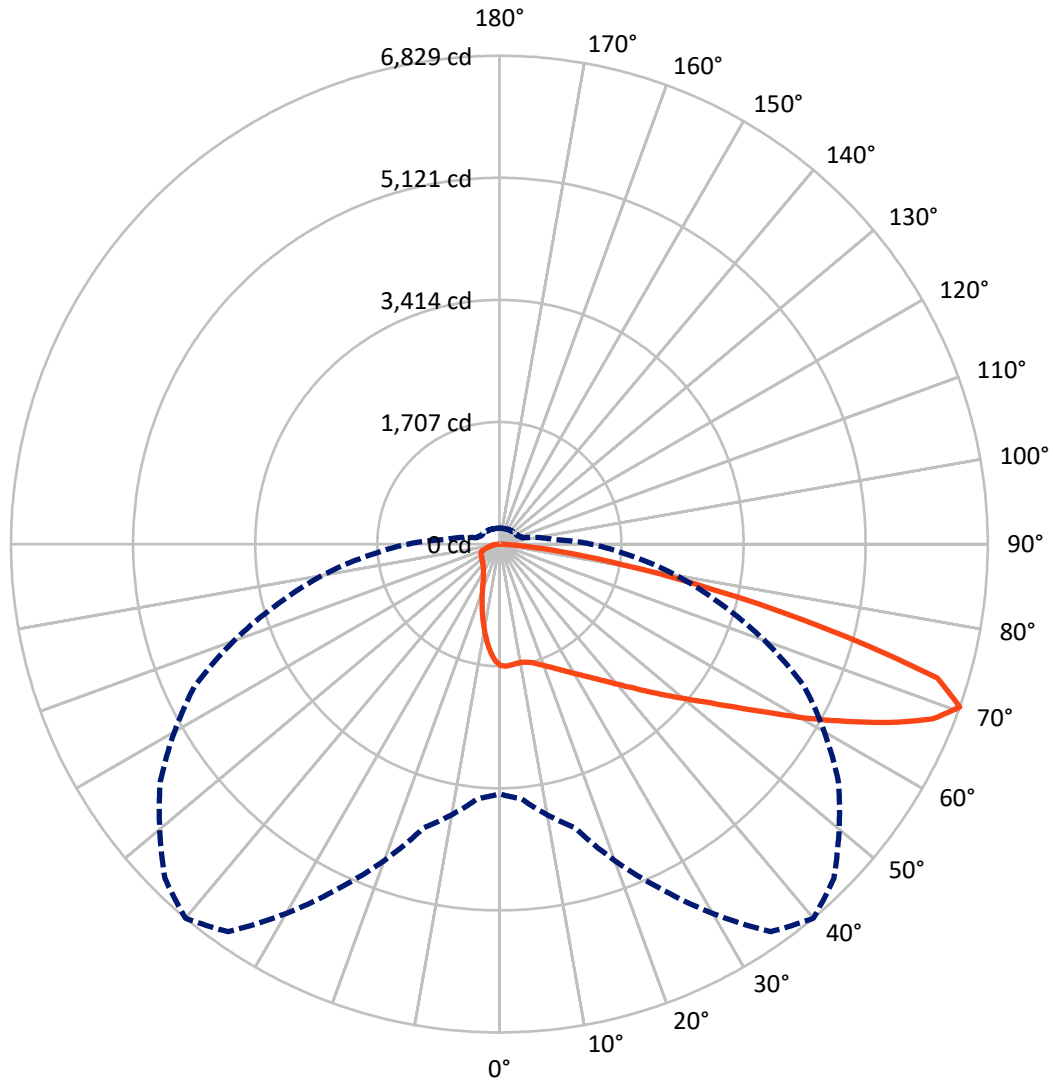
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Short - N/A

REPORT NUMBER: P634298
CATALOG NUMBER: GWS-SA3B-740-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P634298

CATALOG NUMBER: GWS-SA3B-740-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1538.6	0.0	1538.6
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	8450.9	0.0	8450.9
	% Fixture	84.6	0.0	84.6
Total	Lumens	9989.5	0.0	9989.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	1.5
10°-20°	390.6	3.9
20°-30°	613.3	6.1
30°-40°	922.2	9.2
40°-50°	1423.4	14.2
50°-60°	2113.8	21.2
60°-70°	2664.5	26.7
70°-80°	1540.8	15.4
80°-90°	171.0	1.7
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°	9989.5	100.0
0°-180°	9989.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634298

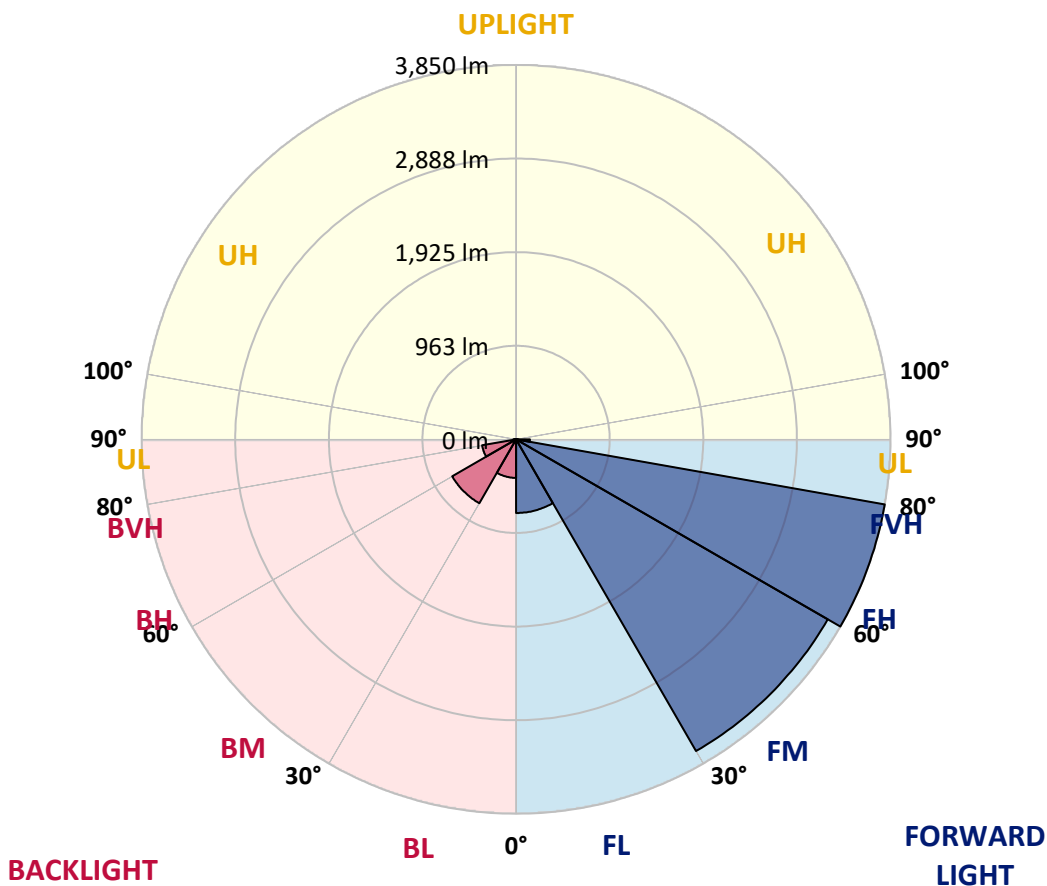
CATALOG NUMBER: GWS-SA3B-740-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.3	7.6			
FM (30°-60°)	3701.0	37.0			
FH (60°-80°)	3850.2	38.5			G2/5000
FVH (80°-90°)	142.4	1.4			G2/225
BL (0°-30°)	396.5	4.0	B1/500		
BM (30°-60°)	758.4	7.6	B1/1000		
BH (60°-80°)	355.1	3.6	B1/500		G1/500
BVH (80°-90°)	28.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P634298
 CATALOG NUMBER: GWS-SA3B-740-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3
2.5°	1706.8	1709.8	1712.0	1715.0	1713.5	1709.0	1712.7	1712.7	1704.5	1695.6	1687.4
5°	1709.0	1712.7	1712.0	1711.2	1705.3	1697.8	1697.8	1693.3	1679.2	1665.0	1651.6
7.5°	1704.5	1703.8	1703.0	1700.8	1694.1	1685.9	1684.4	1675.5	1656.8	1637.4	1618.0
10°	1684.4	1683.7	1685.9	1691.1	1689.6	1682.2	1682.2	1674.0	1652.3	1628.5	1603.1
12.5°	1668.0	1668.0	1676.9	1691.1	1696.3	1693.3	1694.1	1688.1	1663.5	1635.2	1605.4
15°	1670.2	1671.0	1690.4	1713.5	1723.2	1720.9	1721.7	1715.0	1687.4	1659.0	1618.8
17.5°	1685.1	1688.9	1722.4	1754.5	1767.2	1764.2	1759.0	1747.8	1716.5	1684.4	1635.2
20°	1716.5	1722.4	1765.7	1805.9	1820.9	1814.1	1805.2	1782.8	1748.5	1713.5	1653.1
22.5°	1778.4	1782.1	1829.8	1869.3	1881.3	1873.0	1855.2	1823.1	1783.6	1747.0	1674.7
25°	1865.6	1870.1	1915.5	1952.1	1949.1	1939.4	1914.8	1875.3	1828.3	1789.5	1706.0
27.5°	1969.2	1976.7	2021.4	2050.5	2031.1	2017.0	1989.4	1941.6	1888.7	1853.7	1753.7
30°	2082.6	2085.6	2123.6	2152.7	2122.8	2103.5	2069.9	2018.4	1970.7	1944.6	1825.3
32.5°	2192.2	2195.2	2228.0	2244.4	2213.1	2198.9	2169.8	2115.4	2081.8	2067.7	1932.0
35°	2307.8	2307.0	2333.9	2348.0	2316.0	2310.0	2280.2	2238.4	2232.4	2251.1	2087.8
37.5°	2423.3	2416.6	2430.8	2449.4	2431.5	2437.5	2418.1	2403.9	2427.1	2475.5	2295.1
40°	2515.8	2515.8	2530.7	2553.8	2559.8	2585.9	2574.7	2593.3	2667.9	2783.5	2551.6
42.5°	2597.8	2598.6	2629.9	2665.7	2708.9	2749.2	2758.1	2806.6	2960.9	3142.1	2873.7
45°	2683.6	2684.3	2726.8	2779.0	2870.7	2947.5	2965.4	3074.3	3295.0	3515.7	3223.4
47.5°	2782.7	2774.5	2833.4	2920.7	3051.2	3161.5	3207.7	3362.1	3641.0	3912.4	3553.0
50°	2894.6	2877.4	2943.0	3093.7	3254.7	3406.1	3483.6	3660.3	4012.3	4278.5	3863.2
52.5°	3020.6	3010.9	3079.5	3262.9	3509.0	3683.5	3788.6	4020.5	4373.2	4643.1	4109.2
55°	3177.2	3154.1	3253.2	3486.6	3807.2	4029.4	4154.0	4376.9	4767.6	4974.2	4297.1
57.5°	3348.7	3323.3	3456.0	3766.2	4195.0	4438.8	4594.6	4778.1	5139.0	5227.7	4407.5
60°	3533.6	3525.4	3682.7	4094.3	4657.3	4940.6	5053.2	5219.5	5461.8	5374.6	4379.9
62.5°	3702.8	3699.9	3928.8	4450.0	5147.2	5458.8	5548.3	5592.3	5694.5	5364.9	4160.7
65°	3881.1	3906.4	4215.9	4862.3	5708.6	6014.3	6051.6	5939.8	5772.7	5110.6	3711.8
67.5°	3903.4	3952.6	4396.3	5248.6	6241.0	6529.6	6499.7	6071.7	5541.6	4403.0	2909.5
70°	3491.1	3576.8	4108.5	5307.5	6616.1	6828.6	6613.1	5787.7	4702.8	3189.8	1829.8
72.5°	2916.9	2990.8	3460.5	4526.0	6132.1	6402.8	6111.3	4898.9	3323.3	1829.8	932.1
75°	2270.5	2356.2	2789.4	3597.7	4590.9	4699.0	4552.9	3416.5	1826.8	754.6	423.5
77.5°	1385.4	1447.3	1784.3	2437.5	3212.2	3050.4	2585.1	1915.5	801.6	361.6	261.7
80°	612.9	650.9	879.1	1309.3	1855.9	1754.5	1383.2	818.0	438.4	229.7	182.7
82.5°	328.8	353.4	433.2	518.2	815.0	852.3	691.2	471.2	235.6	131.2	104.4
85°	144.7	158.8	196.8	187.9	267.7	263.2	265.4	323.6	112.6	60.4	67.9
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	8.2	43.2	11.2	17.9	15.7
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: P634298
 CATALOG NUMBER: GWS-SA3B-740-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3	1696.3
2.5°	1678.4	1665.0	1661.3	1656.8	1648.6	1634.4	1624.0	1612.1	1606.9	1600.9	1601.6
5°	1636.7	1620.3	1604.6	1584.5	1559.1	1530.8	1511.4	1489.0	1477.1	1465.9	1468.9
7.5°	1600.9	1575.5	1543.5	1501.0	1455.5	1404.8	1363.8	1331.7	1310.1	1295.2	1302.6
10°	1578.5	1548.7	1492.8	1423.4	1346.6	1269.1	1210.2	1155.0	1120.7	1093.9	1092.4
12.5°	1574.0	1535.3	1454.0	1353.3	1242.2	1138.6	1052.1	977.5	932.1	898.5	911.2
15°	1578.5	1529.3	1420.4	1288.5	1148.3	1008.1	900.7	815.0	760.6	730.0	727.7
17.5°	1583.7	1523.3	1382.4	1218.4	1049.9	889.5	765.0	674.1	618.1	587.6	588.3
20°	1588.2	1514.4	1337.7	1141.6	949.9	779.2	650.2	563.7	513.7	491.4	495.1
22.5°	1595.7	1505.4	1290.0	1059.6	847.8	672.6	559.2	489.1	459.3	444.4	445.1
25°	1609.8	1500.2	1240.7	970.1	747.1	587.6	496.6	449.6	431.0	422.0	421.3
27.5°	1638.9	1504.7	1189.3	883.6	656.2	522.7	456.3	425.8	413.1	407.1	406.4
30°	1687.4	1522.6	1144.6	795.6	577.9	472.0	428.7	410.1	402.6	397.4	396.7
32.5°	1761.2	1556.2	1096.1	713.6	514.5	434.7	407.1	397.4	392.2	389.2	389.2
35°	1873.0	1617.3	1048.4	642.0	465.3	405.6	390.0	386.2	381.8	380.3	381.8
37.5°	2034.1	1715.0	1005.1	579.4	430.2	383.3	371.3	372.8	369.1	371.3	373.6
40°	2238.4	1845.5	968.6	527.9	404.1	366.9	354.9	360.1	357.9	360.1	363.9
42.5°	2497.1	2007.3	941.0	487.6	385.5	353.4	342.2	347.5	346.0	349.0	352.7
45°	2785.7	2220.5	928.3	459.3	372.1	343.7	331.8	335.5	334.0	336.3	340.0
47.5°	3062.3	2414.4	939.5	442.9	360.9	335.5	322.9	324.4	323.6	322.9	325.1
50°	3300.9	2568.7	971.6	437.7	353.4	327.3	315.4	316.2	313.9	309.4	310.9
52.5°	3495.6	2692.5	991.0	437.7	349.7	318.4	307.2	307.9	303.5	297.5	298.3
55°	3623.8	2742.5	975.3	436.9	348.2	310.9	299.0	299.7	295.3	287.8	288.6
57.5°	3660.3	2694.0	909.7	428.7	346.7	305.0	290.8	292.3	289.3	281.1	281.1
60°	3558.2	2516.5	789.6	410.1	343.0	301.2	284.8	287.1	285.6	277.4	277.4
62.5°	3290.5	2201.1	646.5	381.8	332.6	296.8	279.6	284.1	287.8	283.3	282.6
65°	2789.4	1763.4	525.7	350.5	319.1	289.3	272.2	283.3	291.5	297.5	297.5
67.5°	2093.0	1262.4	428.7	317.6	299.0	274.4	262.5	272.9	278.9	282.6	284.8
70°	1275.8	742.7	337.8	279.6	269.9	252.0	243.1	232.6	224.4	222.9	223.7
72.5°	624.1	425.0	274.4	237.9	230.4	214.0	193.9	189.4	185.7	183.4	182.7
75°	343.7	296.0	226.7	197.6	184.2	164.0	159.6	152.1	150.6	147.6	148.4
77.5°	243.1	233.4	187.2	160.3	140.2	129.7	132.0	126.8	126.8	124.5	123.8
80°	182.7	183.4	143.9	117.1	103.6	99.9	102.2	102.2	100.7	99.9	99.2
82.5°	115.6	130.5	96.9	75.3	73.8	74.6	73.8	73.1	74.6	72.3	71.6
85°	79.8	94.0	58.9	44.7	44.7	44.0	45.5	44.7	46.2	44.0	44.0
87.5°	17.9	41.8	21.6	13.4	14.2	13.4	14.2	14.9	16.4	17.1	17.1
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)