

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: P634243

Luminaire Tested: GWS-SA3B-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634243
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-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9852.6 lumens
Efficiency: N/A
Efficacy: 144.3 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

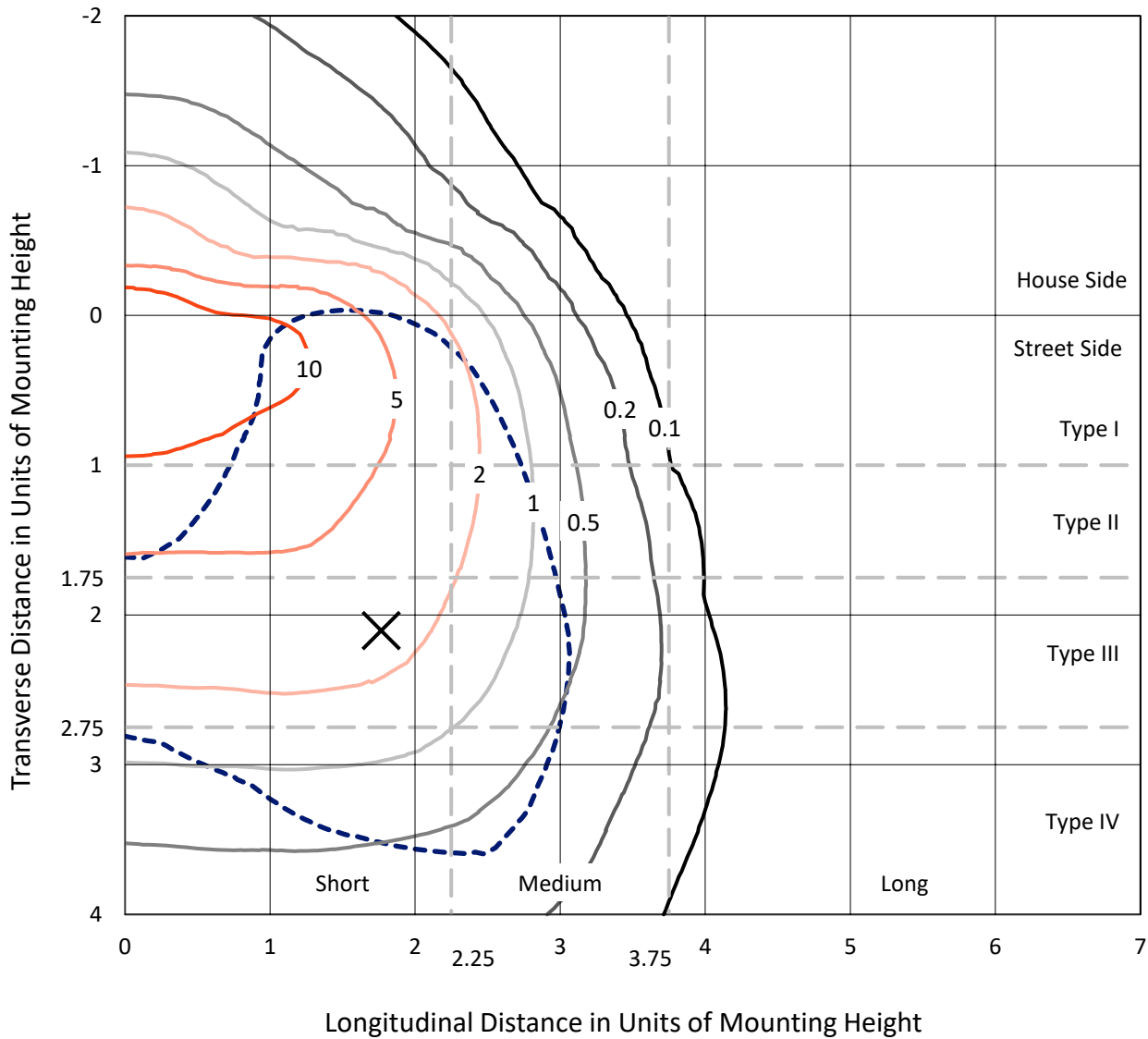
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634243
 CATALOG NUMBER: GWS-SA3B-735-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

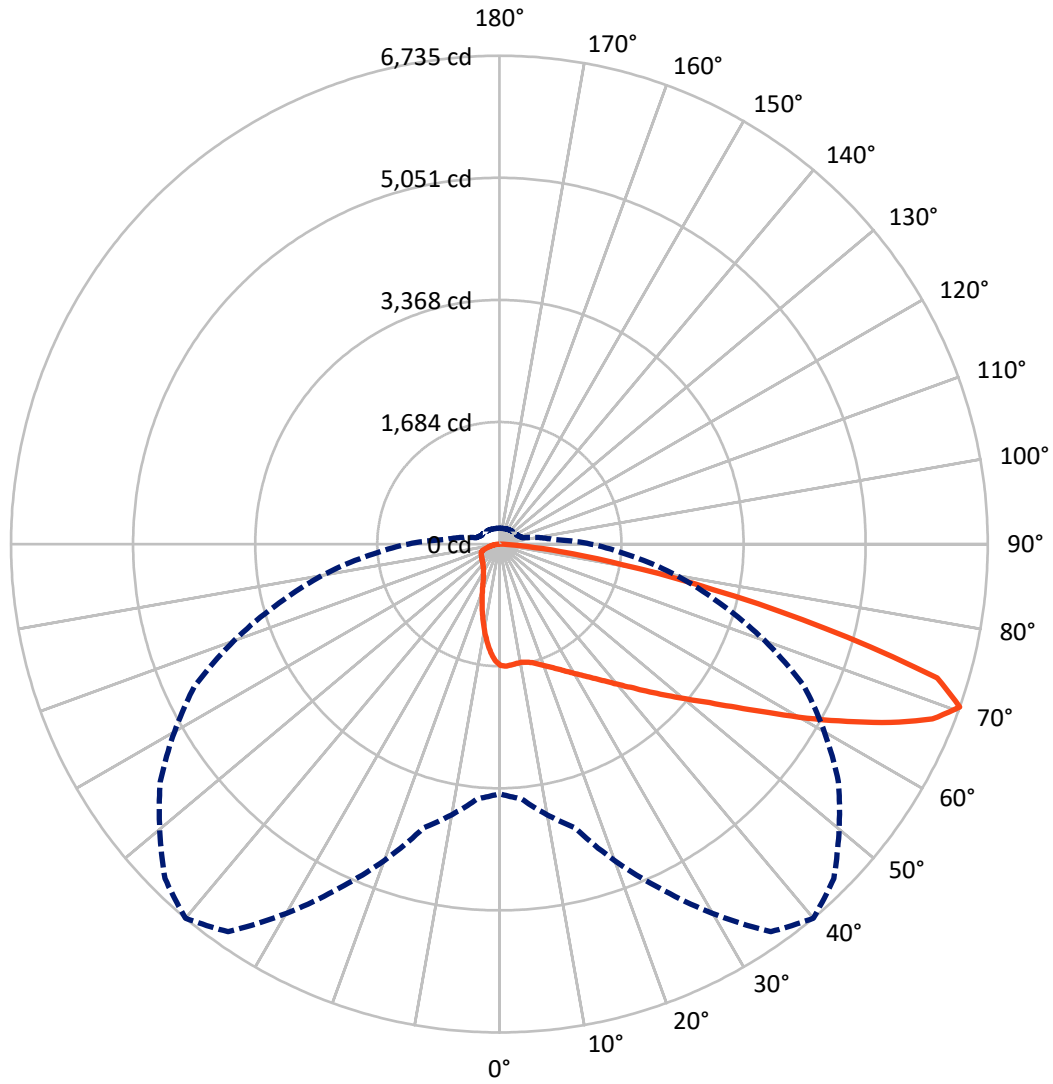
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P634243
CATALOG NUMBER: GWS-SA3B-735-U-SL4-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3B-735-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1517.5	0.0	1517.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	8335.0	0.0	8335.0
	% Fixture	84.6	0.0	84.6
Total	Lumens	9852.6	0.0	9852.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.5
10°-20°	385.3	3.9
20°-30°	604.9	6.1
30°-40°	909.5	9.2
40°-50°	1403.9	14.2
50°-60°	2084.9	21.2
60°-70°	2628.0	26.7
70°-80°	1519.7	15.4
80°-90°	168.7	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°	9852.6	100.0
0°-180°	9852.6	100.0

Coefficient of Utilization



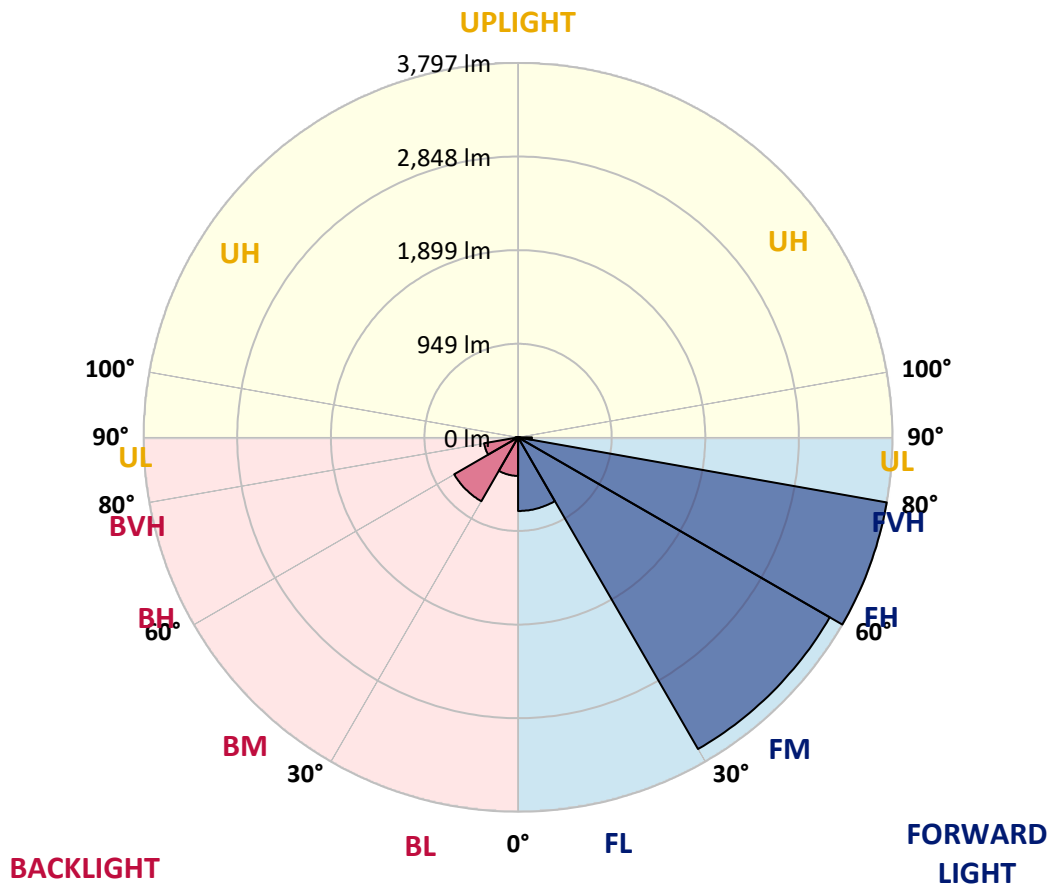
REPORT NUMBER: P634243

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	746.9	7.6			
FM (30°-60°)	3650.3	37.0			
FH (60°-80°)	3797.4	38.5			G2/5000
FVH (80°-90°)	140.5	1.4			G2/225
BL (0°-30°)	391.1	4.0	B1/500		
BM (30°-60°)	748.0	7.6	B1/1000		
BH (60°-80°)	350.3	3.6	B1/500		G1/500
BVH (80°-90°)	28.2	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: P634243
 CATALOG NUMBER: GWS-SA3B-735-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1
2.5°	1683.4	1686.3	1688.5	1691.5	1690.0	1685.6	1689.3	1689.3	1681.2	1672.3	1664.3
5°	1685.6	1689.3	1688.5	1687.8	1681.9	1674.6	1674.6	1670.1	1656.2	1642.2	1629.0
7.5°	1681.2	1680.4	1679.7	1677.5	1670.9	1662.8	1661.3	1652.5	1634.1	1615.0	1595.9
10°	1661.3	1660.6	1662.8	1667.9	1666.5	1659.1	1659.1	1651.0	1629.7	1606.2	1581.2
12.5°	1645.1	1645.1	1654.0	1667.9	1673.1	1670.1	1670.9	1665.0	1640.7	1612.8	1583.4
15°	1647.3	1648.1	1667.2	1690.0	1699.6	1697.4	1698.1	1691.5	1664.3	1636.3	1596.6
17.5°	1662.1	1665.7	1698.8	1730.4	1742.9	1740.0	1734.9	1723.8	1692.9	1661.3	1612.8
20°	1692.9	1698.8	1741.5	1781.2	1795.9	1789.3	1780.5	1758.4	1724.6	1690.0	1630.4
22.5°	1754.0	1757.7	1804.7	1843.7	1855.5	1847.4	1829.7	1798.1	1759.1	1723.1	1651.8
25°	1840.0	1844.4	1889.3	1925.3	1922.4	1912.8	1888.6	1849.6	1803.3	1765.0	1682.6
27.5°	1942.2	1949.6	1993.7	2022.4	2003.3	1989.3	1962.1	1915.0	1862.8	1828.3	1729.7
30°	2054.0	2057.0	2094.5	2123.2	2093.7	2074.6	2041.5	1990.8	1943.7	1918.0	1800.3
32.5°	2162.1	2165.1	2197.4	2213.6	2182.7	2168.8	2140.1	2086.4	2053.3	2039.3	1905.5
35°	2276.1	2275.4	2301.9	2315.8	2284.2	2278.3	2248.9	2207.7	2201.9	2220.2	2059.2
37.5°	2390.1	2383.5	2397.5	2415.9	2398.2	2404.1	2385.0	2371.0	2393.8	2441.6	2263.6
40°	2481.3	2481.3	2496.0	2518.8	2524.7	2550.4	2539.4	2557.8	2631.3	2745.3	2516.6
42.5°	2562.2	2562.9	2593.8	2629.1	2671.8	2711.5	2720.3	2768.1	2920.4	3099.1	2834.3
45°	2646.8	2647.5	2689.4	2740.9	2831.4	2907.1	2924.8	3032.1	3249.8	3467.5	3179.2
47.5°	2744.6	2736.5	2794.6	2880.6	3009.3	3118.2	3163.8	3316.0	3591.1	3858.8	3504.3
50°	2854.9	2838.0	2902.7	3051.3	3210.1	3359.4	3435.9	3610.2	3957.3	4219.8	3810.2
52.5°	2979.2	2969.6	3037.3	3218.2	3460.9	3633.0	3736.7	3965.4	4313.2	4579.5	4052.9
55°	3133.6	3110.8	3208.6	3438.8	3755.1	3974.2	4097.0	4316.9	4702.3	4906.0	4238.2
57.5°	3302.8	3277.8	3408.7	3714.6	4137.5	4378.0	4531.7	4712.6	5068.5	5156.0	4347.1
60°	3485.2	3477.1	3632.2	4038.2	4593.4	4872.9	4984.0	5148.0	5387.0	5300.9	4319.9
62.5°	3652.1	3649.2	3874.9	4389.0	5076.6	5384.0	5472.3	5515.7	5616.4	5291.4	4103.7
65°	3827.9	3852.9	4158.1	4795.7	5630.4	5931.9	5968.7	5858.4	5693.6	5040.6	3660.9
67.5°	3849.9	3898.5	4336.0	5176.6	6155.5	6440.1	6410.7	5988.5	5465.7	4342.7	2869.6
70°	3443.2	3527.8	4052.2	5234.7	6525.4	6735.0	6522.5	5708.3	4638.3	3146.1	1804.7
72.5°	2877.0	2949.8	3413.1	4464.0	6048.1	6315.1	6027.5	4831.7	3277.8	1804.7	919.3
75°	2239.4	2323.9	2751.2	3548.4	4528.0	4634.6	4490.5	3369.7	1801.8	744.2	417.7
77.5°	1366.4	1427.5	1759.9	2404.1	3168.2	3008.6	2549.7	1889.3	790.6	356.7	258.1
80°	604.5	642.0	867.1	1291.4	1830.5	1730.4	1364.2	806.8	432.4	226.5	180.2
82.5°	324.3	348.6	427.3	511.1	803.8	840.6	681.7	464.8	232.4	129.4	103.0
85°	142.7	156.6	194.2	185.3	264.0	259.6	261.8	319.2	111.0	59.6	66.9
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	8.1	42.7	11.0	17.7	15.4
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: P634243
 CATALOG NUMBER: GWS-SA3B-735-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1
2.5°	1655.4	1642.2	1638.5	1634.1	1626.0	1612.0	1601.7	1590.0	1584.8	1579.0	1579.7
5°	1614.3	1598.1	1582.6	1562.8	1537.8	1509.8	1490.7	1468.6	1456.9	1445.8	1448.8
7.5°	1579.0	1553.9	1522.3	1480.4	1435.5	1385.5	1345.1	1313.5	1292.1	1277.4	1284.8
10°	1556.9	1527.5	1472.3	1403.9	1328.2	1251.7	1193.6	1139.2	1105.3	1078.9	1077.4
12.5°	1552.5	1514.2	1434.1	1334.8	1225.2	1123.0	1037.7	964.1	919.3	886.2	898.7
15°	1556.9	1508.3	1401.0	1270.8	1132.5	994.3	888.4	803.8	750.1	720.0	717.8
17.5°	1562.0	1502.5	1363.5	1201.7	1035.5	877.4	754.5	664.8	609.7	579.5	580.2
20°	1566.4	1493.6	1319.3	1125.9	936.9	768.5	641.3	556.0	506.7	484.6	488.3
22.5°	1573.8	1484.8	1272.3	1045.0	836.2	663.4	551.6	482.4	453.0	438.3	439.0
25°	1587.8	1479.7	1223.7	956.8	736.9	579.5	489.8	443.5	425.1	416.2	415.5
27.5°	1616.5	1484.1	1173.0	871.5	647.2	515.5	450.1	419.9	407.4	401.5	400.8
30°	1664.3	1501.7	1128.9	784.7	570.0	465.5	422.9	404.5	397.1	392.0	391.2
32.5°	1737.1	1534.8	1081.1	703.8	507.4	428.8	401.5	392.0	386.8	383.9	383.9
35°	1847.4	1595.1	1034.0	633.2	458.9	400.1	384.6	380.9	376.5	375.1	376.5
37.5°	2006.2	1691.5	991.3	571.4	424.3	378.0	366.2	367.7	364.0	366.2	368.4
40°	2207.7	1820.2	955.3	520.7	398.6	361.8	350.1	355.2	353.0	355.2	358.9
42.5°	2462.9	1979.8	928.1	481.0	380.2	348.6	337.6	342.7	341.2	344.2	347.9
45°	2747.5	2190.1	915.6	453.0	367.0	339.0	327.3	330.9	329.5	331.7	335.4
47.5°	3020.4	2381.3	926.6	436.8	355.9	330.9	318.4	319.9	319.2	318.4	320.6
50°	3255.7	2533.5	958.3	431.7	348.6	322.9	311.1	311.8	309.6	305.2	306.7
52.5°	3447.7	2655.6	977.4	431.7	344.9	314.0	303.0	303.7	299.3	293.4	294.2
55°	3574.1	2704.9	961.9	431.0	343.4	306.7	294.9	295.6	291.2	283.9	284.6
57.5°	3610.2	2657.1	897.2	422.9	342.0	300.8	286.8	288.3	285.3	277.3	277.3
60°	3509.4	2482.0	778.8	404.5	338.3	297.1	280.9	283.1	281.7	273.6	273.6
62.5°	3245.4	2171.0	637.6	376.5	328.0	292.7	275.8	280.2	283.9	279.5	278.7
65°	2751.2	1739.3	518.5	345.6	314.8	285.3	268.4	279.5	287.5	293.4	293.4
67.5°	2064.3	1245.1	422.9	313.3	294.9	270.6	258.9	269.2	275.0	278.7	280.9
70°	1258.3	732.5	333.1	275.8	266.2	248.6	239.7	229.5	221.4	219.9	220.6
72.5°	615.5	419.2	270.6	234.6	227.2	211.1	191.2	186.8	183.1	180.9	180.2
75°	339.0	292.0	223.6	194.9	181.6	161.8	157.4	150.0	148.6	145.6	146.3
77.5°	239.7	230.2	184.6	158.1	138.3	128.0	130.2	125.0	125.0	122.8	122.1
80°	180.2	180.9	141.9	115.5	102.2	98.5	100.8	100.8	99.3	98.5	97.8
82.5°	114.0	128.7	95.6	74.3	72.8	73.5	72.8	72.1	73.5	71.3	70.6
85°	78.7	92.7	58.1	44.1	44.1	43.4	44.9	44.1	45.6	43.4	43.4
87.5°	17.7	41.2	21.3	13.2	14.0	13.2	14.0	14.7	16.2	16.9	16.9
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)