

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: P634268

Luminaire Tested: GWS-SA3B-735-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

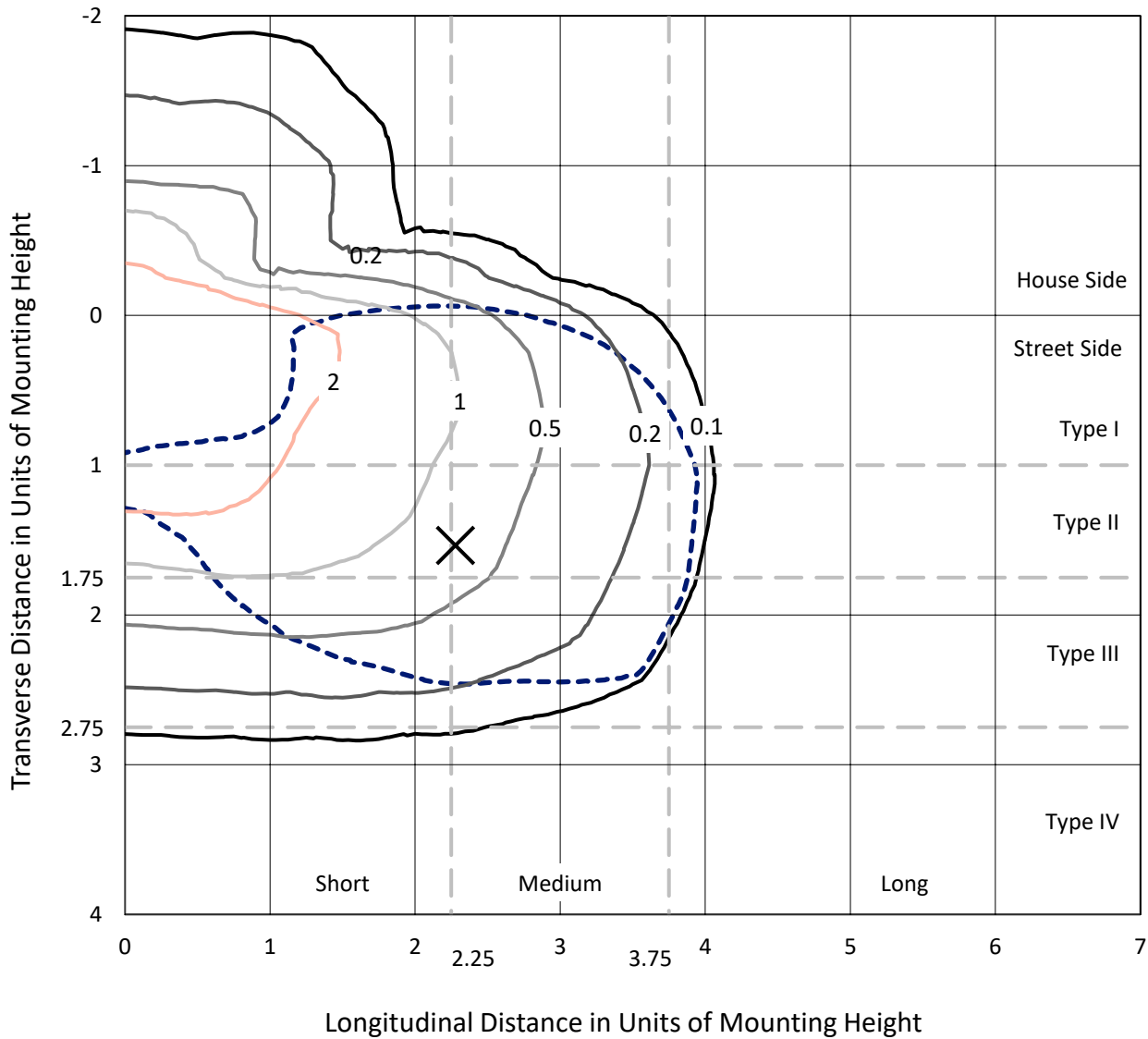
Lumens per Lamp: N/A  
Luminaire Lumens: 10429.2 lumens  
Efficiency: N/A  
Efficacy: 152.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

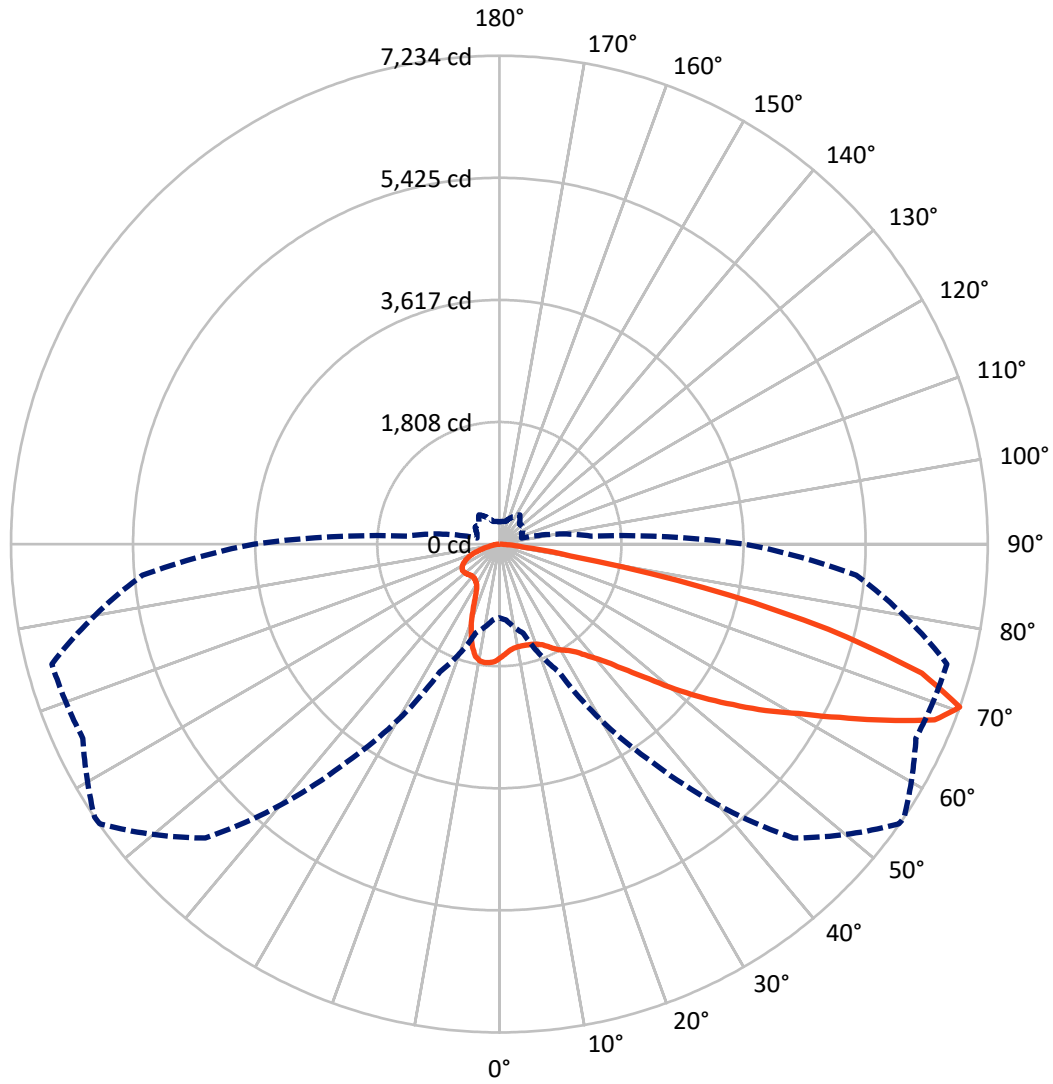
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2005.0	0.0	2005.0
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	8424.2	0.0	8424.2
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	10429.2	0.0	10429.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.8	1.5
10°-20°	422.1	4.0
20°-30°	697.8	6.7
30°-40°	1043.4	10.0
40°-50°	1552.7	14.9
50°-60°	2207.5	21.2
60°-70°	2734.0	26.2
70°-80°	1509.6	14.5
80°-90°	106.3	1.0
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°	10429.2	100.0
0°-180°	10429.2	100.0

**Coefficient of Utilization**



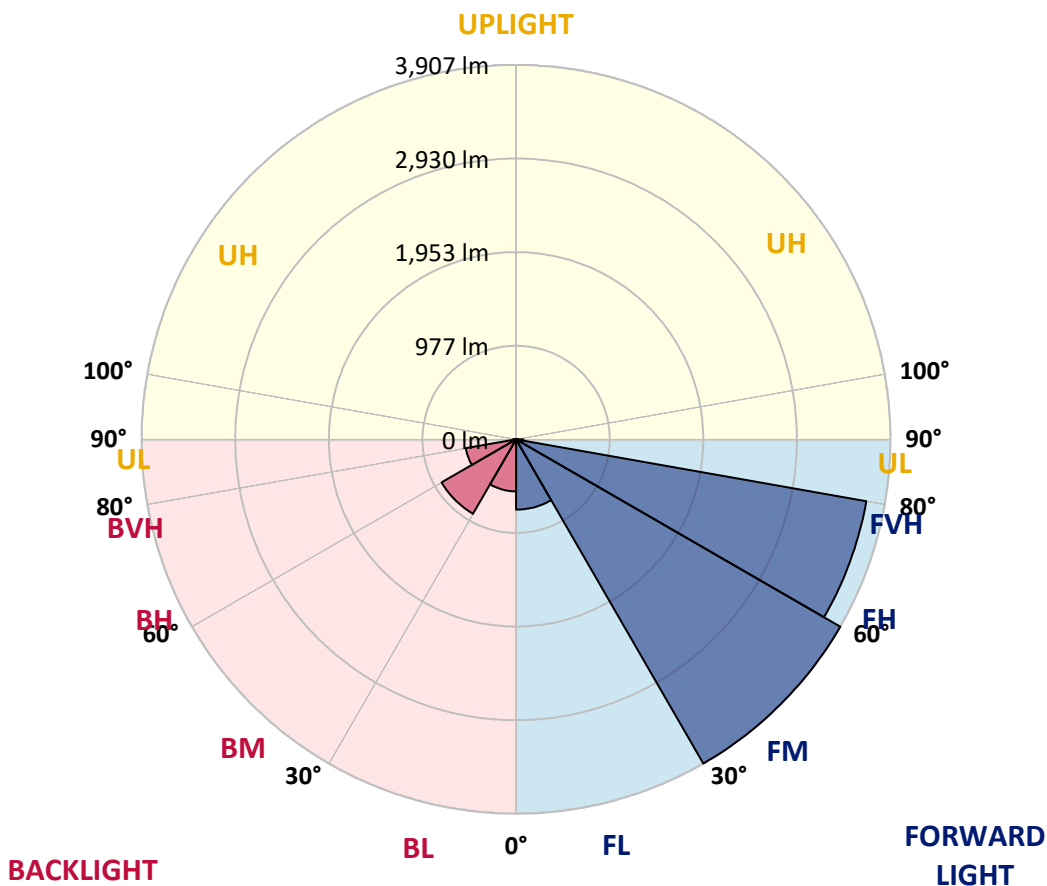
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.0	7.0			
FM (30°-60°)	3906.6	37.5			
FH (60°-80°)	3710.7	35.6			G2/5000
FVH (80°-90°)	73.9	0.7			G1/100
BL (0°-30°)	542.8	5.2	B2/1000		
BM (30°-60°)	896.9	8.6	B1/1000		
BH (60°-80°)	532.9	5.1	B2/1000		G2/1000
BVH (80°-90°)	32.4	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4
2.5°	1575.3	1566.5	1576.8	1581.9	1595.2	1614.3	1631.2	1632.0	1640.8	1662.1	1682.7
5°	1504.0	1499.6	1502.5	1518.0	1531.9	1556.2	1581.9	1584.1	1609.2	1651.1	1692.3
7.5°	1448.8	1442.9	1454.0	1473.8	1491.5	1518.7	1552.5	1555.5	1590.8	1654.0	1717.3
10°	1369.4	1365.0	1385.6	1412.1	1450.3	1495.2	1540.0	1543.7	1590.0	1673.1	1761.4
12.5°	1334.8	1334.8	1343.7	1368.7	1410.6	1470.2	1537.8	1543.7	1601.8	1702.6	1818.0
15°	1388.5	1392.2	1384.8	1383.4	1400.3	1456.9	1540.8	1549.6	1623.9	1732.7	1873.9
17.5°	1496.6	1500.3	1481.2	1451.0	1434.1	1469.4	1551.8	1561.3	1647.4	1765.8	1934.2
20°	1648.1	1652.5	1610.6	1564.3	1506.2	1505.5	1573.1	1581.9	1677.5	1801.8	1998.2
22.5°	1825.4	1828.3	1775.4	1701.8	1612.8	1572.4	1609.9	1618.7	1716.5	1851.9	2067.3
25°	2030.6	2039.4	1975.4	1868.8	1748.2	1664.3	1670.9	1681.2	1786.4	1918.8	2149.0
27.5°	2249.7	2260.8	2187.2	2069.5	1903.3	1765.8	1749.6	1758.4	1860.7	1960.0	2192.4
30°	2474.0	2482.1	2408.6	2274.0	2070.3	1880.5	1815.8	1821.0	1893.0	1979.8	2236.5
32.5°	2723.4	2716.7	2646.1	2491.0	2263.0	2018.1	1877.6	1876.1	1929.1	2019.5	2299.7
35°	2957.2	2966.8	2891.8	2720.4	2474.8	2187.9	1970.3	1964.4	2005.6	2084.3	2388.7
37.5°	3240.4	3237.4	3147.7	2962.4	2687.3	2350.5	2100.4	2090.1	2104.8	2185.0	2513.0
40°	3442.6	3463.2	3405.1	3232.3	2935.9	2550.5	2252.7	2229.9	2233.5	2309.3	2679.2
42.5°	3608.1	3627.2	3633.1	3522.8	3220.5	2797.6	2442.4	2419.6	2421.8	2529.2	2883.7
45°	3735.3	3761.1	3844.2	3811.8	3541.2	3083.0	2699.1	2675.5	2677.0	2796.2	3130.8
47.5°	3787.5	3815.5	3983.9	4061.1	3881.7	3424.2	3018.3	2983.7	2988.8	3120.5	3413.2
50°	3770.6	3808.1	4036.1	4253.1	4167.0	3771.4	3400.0	3375.7	3355.8	3547.1	3719.9
52.5°	3625.0	3666.2	4031.0	4375.2	4400.2	4099.4	3794.2	3780.2	3775.8	4000.1	4062.6
55°	3196.2	3265.4	3853.7	4407.5	4582.6	4408.3	4221.5	4197.9	4220.7	4485.5	4409.0
57.5°	2958.7	3010.2	3506.6	4371.5	4731.9	4702.4	4648.0	4650.2	4676.0	5012.8	4828.9
60°	2823.4	2883.7	3313.9	4272.9	4875.3	5059.9	5094.4	5094.4	5140.8	5581.3	5255.5
62.5°	2643.9	2705.0	3133.7	4083.2	5007.6	5480.5	5655.6	5653.4	5671.8	6191.0	5672.5
65°	2279.9	2336.5	2771.9	3783.9	5072.4	5943.9	6293.2	6286.6	6249.8	6733.7	5948.3
67.5°	1655.5	1709.2	2123.2	3214.6	4839.2	6317.5	6950.0	6952.9	6733.0	7075.7	5963.0
70°	1091.4	1128.2	1365.0	2087.9	3935.4	6156.4	7225.0	7233.8	6807.3	6862.4	5307.0
72.5°	681.0	706.8	852.4	1245.1	2325.5	4873.1	6519.0	6543.3	6124.0	6030.6	4360.5
75°	452.3	469.9	567.0	725.9	1076.0	2637.3	4955.4	5033.4	4908.4	4727.4	3038.1
77.5°	272.1	286.8	361.1	461.1	476.6	1030.4	2892.5	3094.0	3111.7	2468.2	1272.3
80°	124.3	141.2	199.3	263.3	253.7	358.9	1020.1	1067.1	1259.1	784.0	401.6
82.5°	73.5	80.9	132.4	130.9	108.1	174.3	367.0	376.5	319.9	286.8	171.4
85°	29.4	34.6	55.9	49.3	39.7	56.6	138.3	144.9	139.0	125.0	63.2
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	12.5	13.2	19.1	34.6	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4
2.5°	1695.9	1691.5	1713.6	1730.5	1737.9	1745.2	1738.6	1736.4	1736.4	1721.7	1714.3
5°	1714.3	1716.5	1746.7	1760.7	1760.7	1754.8	1737.1	1724.6	1720.2	1701.1	1695.9
7.5°	1748.9	1758.4	1786.4	1785.7	1765.1	1732.7	1688.6	1654.8	1623.9	1610.6	1602.5
10°	1805.5	1818.0	1837.1	1806.3	1748.9	1663.6	1570.2	1496.6	1452.5	1417.2	1417.2
12.5°	1870.2	1882.0	1878.3	1807.0	1688.6	1529.0	1394.4	1309.8	1248.0	1215.7	1215.7
15°	1935.0	1944.5	1904.8	1773.2	1562.8	1350.3	1203.2	1101.7	1048.0	1017.9	1017.9
17.5°	2000.4	1999.7	1915.8	1695.2	1398.8	1152.4	1008.3	929.6	911.2	906.1	905.3
20°	2063.7	2046.7	1901.9	1565.0	1208.3	953.1	861.9	867.1	894.3	906.1	907.5
22.5°	2135.0	2093.1	1860.7	1398.8	992.1	814.9	820.8	863.4	903.1	920.8	923.0
25°	2207.8	2132.8	1791.5	1203.9	811.2	764.1	809.7	857.5	902.4	925.2	927.4
27.5°	2237.2	2132.8	1673.9	978.1	714.9	742.8	792.8	839.1	886.2	912.7	917.8
30°	2261.5	2114.4	1509.1	774.4	675.1	722.2	765.6	808.3	854.6	886.9	892.8
32.5°	2295.3	2098.2	1309.8	650.9	656.8	702.3	732.5	768.5	810.5	831.8	829.6
35°	2335.0	2073.2	1069.3	592.0	641.3	685.4	706.8	728.1	709.0	708.2	710.4
37.5°	2391.7	2051.2	859.7	565.6	631.0	673.7	691.3	645.7	619.2	608.2	603.8
40°	2473.3	2042.3	678.1	550.1	629.5	672.9	660.4	589.8	553.8	515.5	514.8
42.5°	2576.3	2035.7	560.4	542.8	634.7	689.8	617.8	553.1	478.8	461.9	460.4
45°	2708.6	2025.4	501.6	541.3	647.2	703.1	613.4	502.3	451.6	444.2	444.2
47.5°	2868.2	2009.2	475.1	541.3	661.2	697.2	600.1	491.3	439.1	447.2	452.3
50°	3051.4	1988.6	461.1	539.8	675.1	697.2	572.2	489.1	436.1	478.0	495.0
52.5°	3247.0	1965.1	451.6	533.9	684.7	697.9	573.6	496.4	439.1	485.4	499.4
55°	3463.2	1961.4	438.3	521.4	687.6	678.8	577.3	512.6	443.5	439.8	440.5
57.5°	3736.1	2005.6	428.8	503.0	675.9	639.8	584.7	524.4	438.3	439.1	444.2
60°	4021.4	2088.7	436.9	485.4	651.6	603.1	589.8	518.5	413.3	401.6	403.0
62.5°	4264.1	2151.9	443.5	477.3	616.3	570.7	584.7	505.3	399.3	396.4	403.0
65°	4365.6	2099.7	427.3	460.4	564.8	531.0	573.6	488.3	387.6	376.5	377.3
67.5°	4253.1	1854.8	395.7	422.9	506.7	480.2	556.0	466.3	371.4	358.2	355.2
70°	3633.1	1362.8	341.2	363.3	436.1	420.7	528.8	437.6	345.7	336.1	329.5
72.5°	2927.8	964.9	283.1	289.0	342.0	354.5	481.7	401.6	316.2	289.0	279.5
75°	2037.9	606.0	236.1	230.2	247.1	270.6	375.8	333.2	272.9	244.2	235.3
77.5°	876.7	311.1	184.6	181.7	164.7	187.5	288.3	278.0	228.7	195.6	190.5
80°	293.4	180.2	133.1	128.0	109.6	131.6	203.0	222.1	179.4	144.9	136.1
82.5°	147.1	104.4	84.6	76.5	73.5	83.1	119.9	138.3	124.3	100.0	84.6
85°	72.1	59.6	46.3	45.6	38.2	36.0	50.0	58.8	55.9	41.2	39.0
87.5°	26.5	23.5	14.7	11.8	7.4	5.1	2.9	2.9	2.2	2.2	2.2
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)