

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: P632449

Luminaire Tested: GWS-SA2C-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632449  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

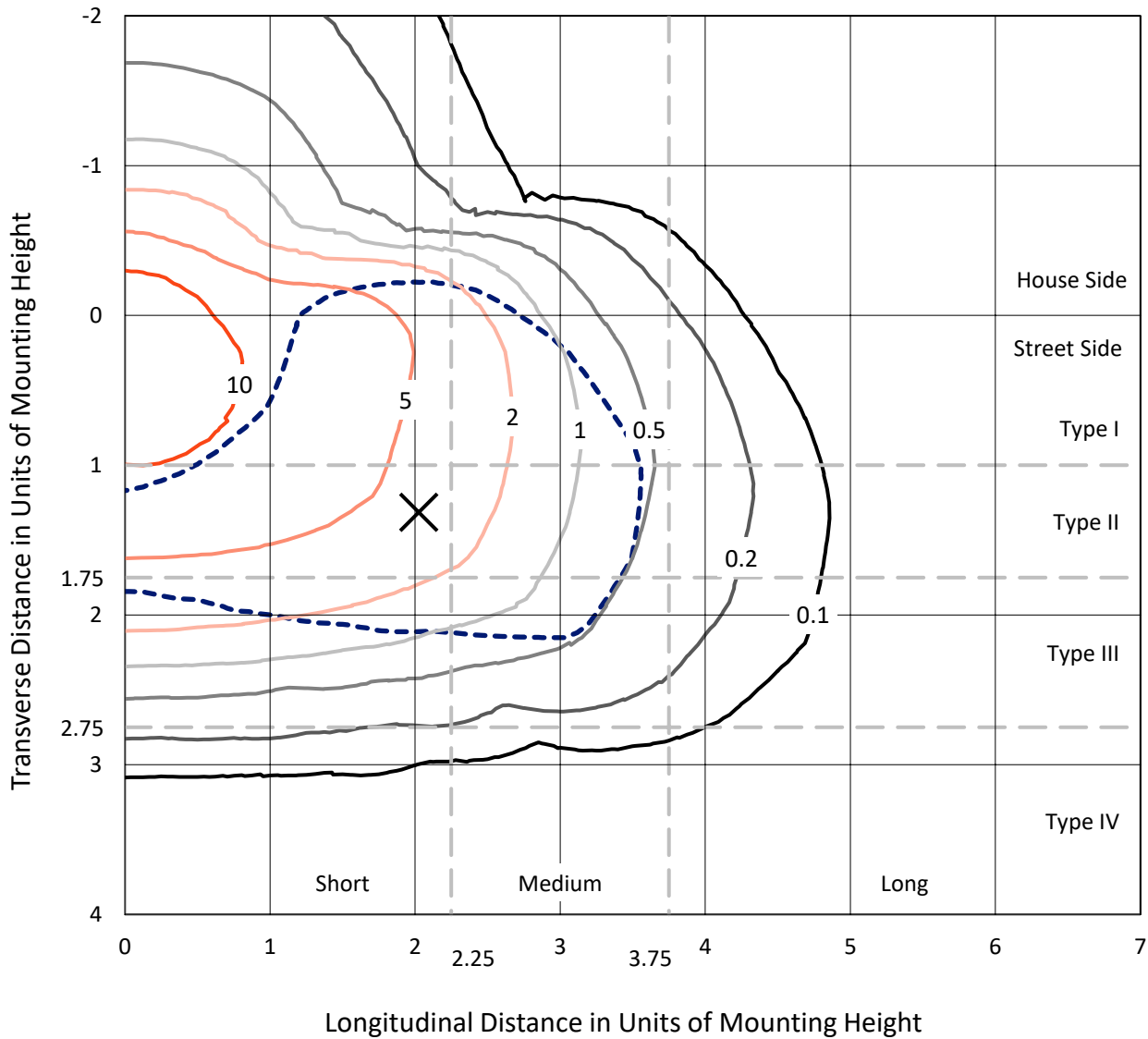
Lumens per Lamp: N/A  
Luminaire Lumens: 9344 lumens  
Efficiency: N/A  
Efficacy: 147.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

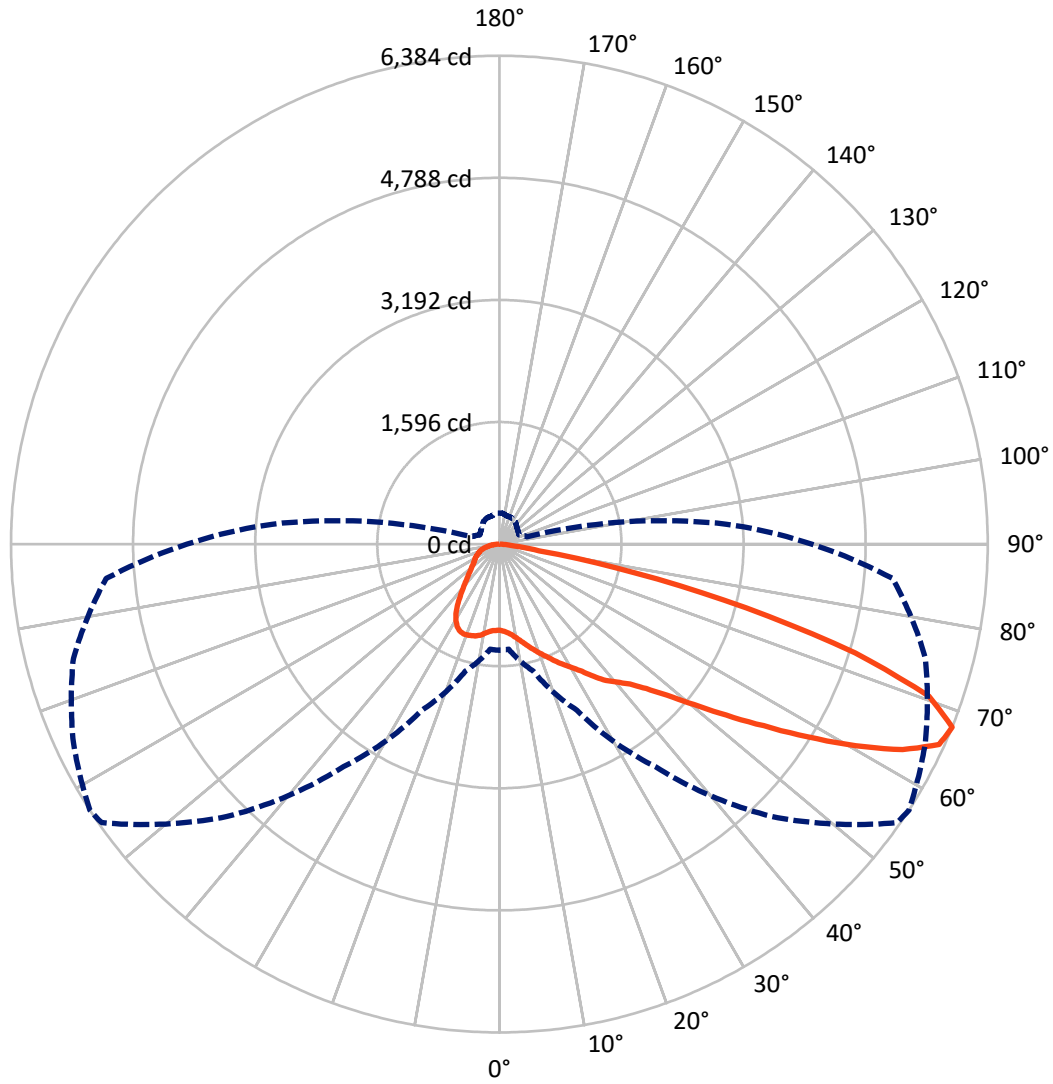
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2054.4	0.0	2054.4
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	7289.6	0.0	7289.6
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	9344.0	0.0	9344.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.7	1.2
10°-20°	369.7	4.0
20°-30°	659.0	7.1
30°-40°	958.2	10.3
40°-50°	1386.8	14.8
50°-60°	2170.3	23.2
60°-70°	2531.8	27.1
70°-80°	1056.9	11.3
80°-90°	99.7	1.1
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°	9344.0	100.0
0°-180°	9344.0	100.0

**Coefficient of Utilization**



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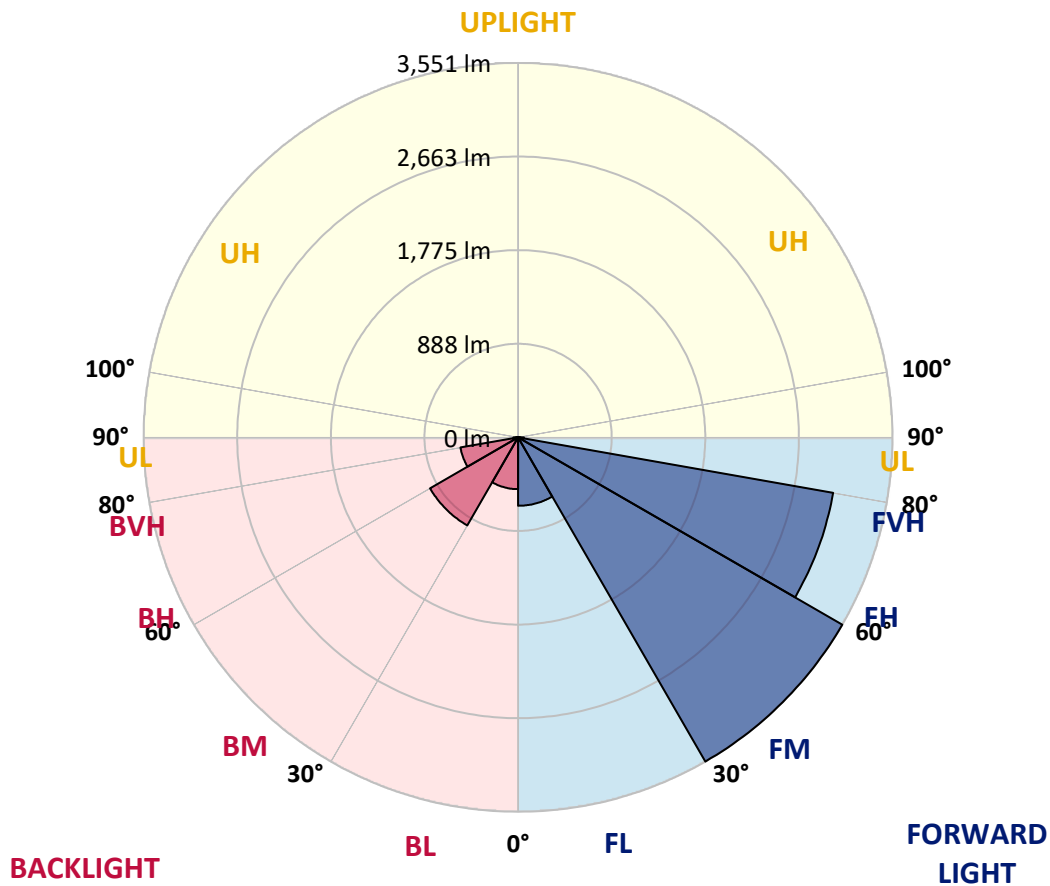
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.0	6.9			
FM (30°-60°)	3550.9	38.0			
FH (60°-80°)	3034.2	32.5			G2/5000
FVH (80°-90°)	55.6	0.6			G1/100
BL (0°-30°)	491.3	5.3	B1/500		
BM (30°-60°)	964.4	10.3	B1/1000		
BH (60°-80°)	554.5	5.9	B2/1000		G2/1000
BVH (80°-90°)	44.2	0.5			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1142.0	1140.6	1139.9	1144.0	1142.6	1142.0	1142.0	1141.3	1139.9	1134.6	1127.2
5°	1173.4	1170.7	1168.1	1171.4	1168.7	1166.1	1165.4	1164.0	1159.4	1151.3	1139.9
7.5°	1206.2	1203.5	1204.2	1206.2	1204.2	1202.9	1200.9	1199.5	1192.2	1179.4	1164.0
10°	1252.4	1252.4	1253.7	1255.7	1256.4	1254.4	1250.4	1248.4	1239.7	1223.6	1202.2
12.5°	1319.3	1318.0	1318.0	1316.7	1318.7	1316.7	1312.6	1309.3	1298.6	1277.8	1247.0
15°	1407.7	1402.3	1397.7	1389.0	1386.3	1378.9	1380.3	1378.2	1368.2	1340.1	1301.3
17.5°	1502.1	1501.4	1494.0	1476.6	1459.2	1447.2	1449.9	1449.2	1443.8	1405.7	1356.2
20°	1585.1	1588.4	1581.7	1568.3	1544.9	1522.2	1520.8	1524.2	1517.5	1479.3	1410.4
22.5°	1678.1	1675.4	1668.8	1651.3	1633.9	1609.8	1601.8	1599.1	1596.5	1552.9	1465.9
25°	1766.5	1774.5	1765.8	1749.7	1723.0	1696.9	1690.2	1692.8	1685.5	1627.9	1525.5
27.5°	1878.3	1881.6	1876.3	1854.2	1831.4	1794.6	1781.9	1781.9	1779.2	1698.2	1572.4
30°	1997.4	2006.8	1997.4	1979.3	1955.9	1903.0	1875.6	1872.9	1864.9	1770.5	1627.3
32.5°	2117.2	2123.9	2117.2	2099.8	2073.1	2026.9	1987.4	1981.3	1970.6	1849.5	1683.5
35°	2223.7	2229.7	2228.3	2232.4	2210.3	2152.0	2127.9	2125.3	2097.2	1952.6	1759.8
37.5°	2340.1	2347.5	2337.5	2345.5	2336.8	2281.9	2274.5	2261.1	2221.0	2049.6	1840.1
40°	2472.7	2479.4	2463.3	2466.6	2456.6	2425.8	2388.3	2370.3	2310.7	2154.7	1966.6
42.5°	2614.6	2630.0	2637.3	2631.3	2607.9	2590.5	2524.9	2502.1	2452.6	2344.2	2174.8
45°	2820.1	2842.8	2853.5	2838.1	2828.1	2803.3	2723.0	2695.6	2669.5	2611.2	2465.3
47.5°	3041.6	3062.4	3096.5	3103.2	3111.3	3092.5	2979.4	2952.6	2957.3	2950.6	2822.8
50°	3218.4	3235.8	3312.7	3395.1	3463.3	3468.7	3324.1	3295.3	3320.8	3342.2	3253.2
52.5°	3346.9	3362.3	3464.0	3634.0	3788.7	3903.1	3747.2	3714.4	3735.1	3783.3	3742.5
55°	3451.3	3472.7	3579.1	3840.2	4152.8	4333.5	4233.8	4192.3	4183.6	4243.2	4266.6
57.5°	3506.2	3512.9	3662.1	4001.5	4419.9	4755.9	4799.4	4752.6	4669.6	4702.4	4824.2
60°	3381.0	3392.4	3596.6	4043.0	4630.7	5174.9	5393.2	5354.3	5177.6	5195.7	5330.2
62.5°	3034.9	3051.0	3296.7	3845.6	4648.1	5454.7	5941.4	5916.6	5679.6	5581.9	5622.1
65°	2434.5	2439.9	2694.2	3356.9	4302.1	5489.5	6323.6	6317.6	6030.4	5801.5	5629.4
67.5°	1388.3	1378.9	1719.0	2394.4	3550.4	5037.0	6348.4	6383.8	6144.2	5765.3	5160.9
70°	601.8	603.1	759.7	1181.4	2298.0	4071.1	5896.5	5957.4	5814.9	5163.6	4105.9
72.5°	278.5	282.5	350.1	511.4	981.3	2525.6	4808.1	4863.0	4740.5	4132.7	2987.4
75°	196.8	200.1	233.6	293.2	451.2	984.0	3216.3	3331.5	3391.1	3091.2	1968.6
77.5°	149.3	154.0	170.7	203.5	278.5	348.7	1538.9	1813.3	2160.1	1923.1	1014.1
80°	95.1	95.1	113.1	135.9	170.0	181.4	444.5	526.8	1056.9	792.5	398.3
82.5°	64.3	66.3	77.0	86.3	97.7	103.1	190.8	203.5	305.2	269.8	164.0
85°	34.1	35.5	40.2	39.5	46.9	40.8	80.3	79.7	111.8	122.5	62.3
87.5°	0.0	0.0	0.7	0.7	1.3	2.0	8.7	9.4	23.4	37.5	20.8
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°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1131.2	1123.2	1127.2	1125.9	1129.9	1129.9	1122.5	1120.5	1121.2	1113.2	1110.5
5°	1141.3	1131.9	1133.9	1131.2	1135.3	1138.6	1135.3	1135.3	1139.3	1133.3	1129.9
7.5°	1164.0	1153.3	1153.3	1150.0	1154.7	1157.3	1154.7	1158.7	1166.1	1160.0	1156.7
10°	1200.2	1187.5	1188.1	1184.1	1186.1	1184.8	1174.1	1170.7	1172.7	1167.4	1164.7
12.5°	1247.0	1229.6	1229.6	1221.6	1216.9	1202.9	1180.8	1172.7	1174.1	1169.4	1167.4
15°	1291.9	1275.8	1272.5	1256.4	1235.0	1208.9	1188.8	1183.5	1184.8	1180.1	1176.8
17.5°	1344.8	1324.0	1312.0	1282.5	1243.0	1216.3	1196.2	1183.5	1172.7	1162.0	1159.4
20°	1393.6	1367.5	1345.4	1299.9	1251.7	1214.9	1177.4	1146.0	1119.9	1105.8	1102.5
22.5°	1443.8	1410.4	1371.5	1312.0	1251.1	1190.8	1121.9	1074.3	1035.5	1014.8	1018.8
25°	1491.4	1449.2	1396.3	1323.4	1229.6	1137.3	1043.6	972.6	928.4	912.4	907.7
27.5°	1530.9	1478.6	1419.1	1318.0	1185.5	1060.3	936.5	857.5	814.6	796.6	791.9
30°	1575.0	1516.1	1451.9	1293.2	1115.8	952.5	815.3	751.0	720.2	702.8	703.5
32.5°	1625.9	1564.3	1498.1	1245.7	1026.8	836.0	715.6	671.4	646.6	629.2	626.5
35°	1694.2	1633.3	1528.9	1174.1	913.7	728.9	647.3	611.1	580.3	557.6	552.9
37.5°	1778.5	1737.0	1532.2	1078.4	792.5	655.3	598.4	559.6	522.1	492.0	488.6
40°	1923.1	1875.6	1504.8	958.5	689.5	607.8	557.6	512.7	469.2	435.8	431.1
42.5°	2129.3	2031.6	1445.8	823.3	611.8	570.3	518.8	461.9	417.7	394.3	390.9
45°	2391.7	2205.6	1357.5	696.1	554.2	533.5	477.9	418.4	394.9	378.2	374.8
47.5°	2713.0	2408.4	1255.7	597.1	509.4	500.0	436.4	403.6	382.9	368.8	365.5
50°	3097.2	2666.8	1172.1	519.4	469.2	461.2	423.0	394.9	378.2	366.8	364.1
52.5°	3535.6	2954.0	1131.2	463.9	434.4	426.4	418.4	392.9	378.9	370.2	366.8
55°	3990.8	3256.5	1093.1	421.0	405.0	409.7	419.0	399.6	388.9	377.5	374.2
57.5°	4430.6	3540.3	999.4	387.6	383.6	401.6	422.4	406.3	393.6	382.2	378.2
60°	4733.8	3695.6	840.7	360.8	367.5	391.6	413.7	396.3	380.2	375.5	373.5
62.5°	4815.5	3676.9	652.6	333.3	348.1	369.5	390.9	379.5	362.8	370.2	370.8
65°	4624.7	3476.1	490.0	306.6	322.6	340.7	367.5	362.8	356.8	376.9	377.5
67.5°	4084.5	2982.7	373.5	283.1	296.5	318.6	360.1	379.5	380.9	406.3	403.6
70°	3090.5	2228.3	292.5	261.1	276.5	318.6	383.6	392.3	376.2	399.6	394.3
72.5°	2136.6	1470.6	249.0	241.6	251.7	303.9	382.9	382.9	365.5	365.5	355.4
75°	1327.4	864.8	216.9	216.9	216.9	265.7	372.2	352.8	322.0	307.9	299.9
77.5°	655.3	420.4	182.1	188.8	181.4	222.2	303.9	288.5	269.8	255.0	249.7
80°	279.8	210.2	147.3	154.6	145.9	167.3	241.0	237.6	219.6	200.1	194.1
82.5°	128.5	108.4	117.8	121.2	106.4	125.8	176.0	176.0	166.0	139.2	129.2
85°	54.9	57.6	81.7	81.7	66.9	71.0	94.4	89.7	80.3	65.6	60.2
87.5°	18.7	28.1	41.5	36.1	14.1	6.0	3.3	1.3	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)