

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: P634264

Luminaire Tested: GWS-SA3B-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634264
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-SA3B-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10265.9 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

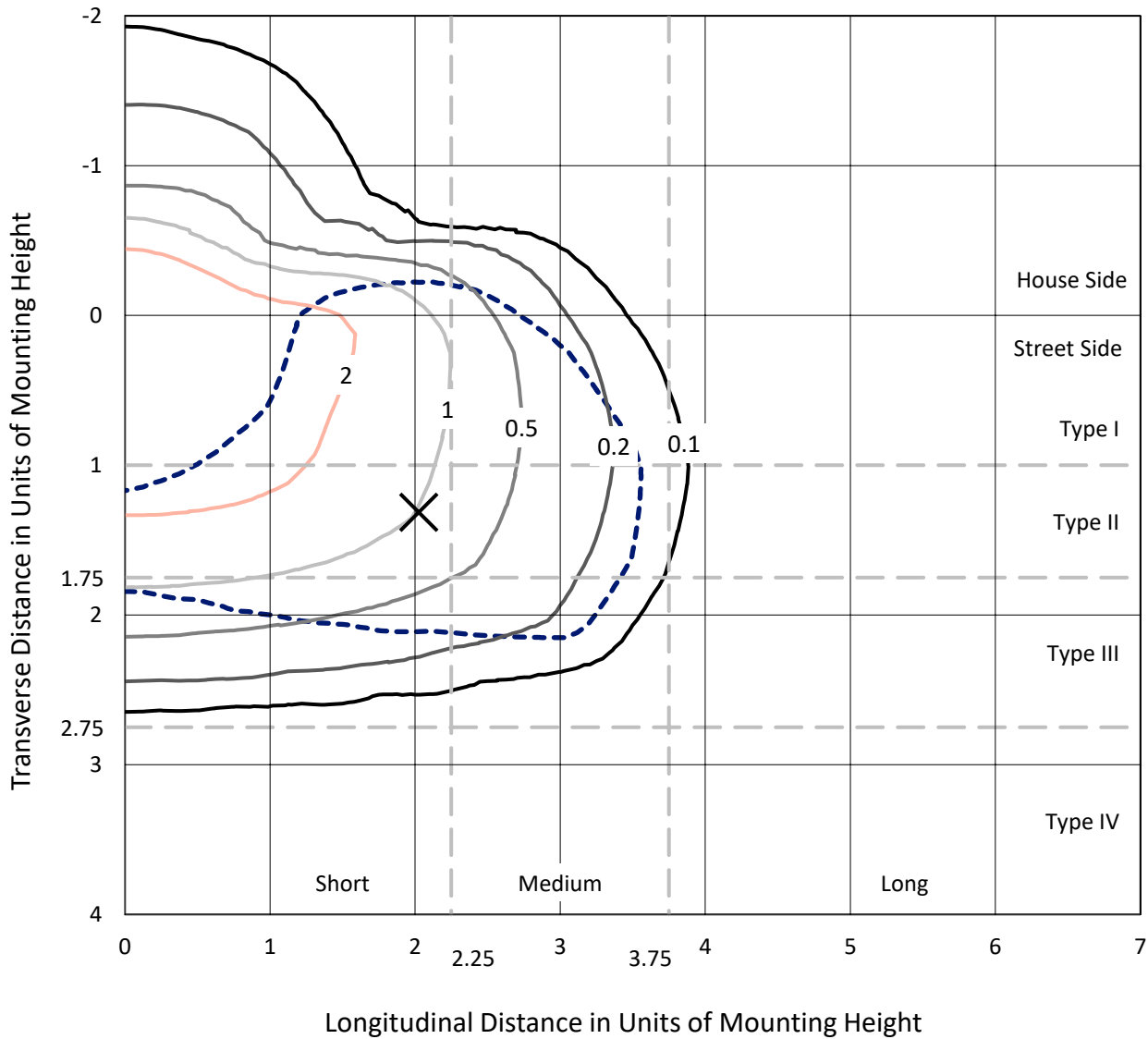
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

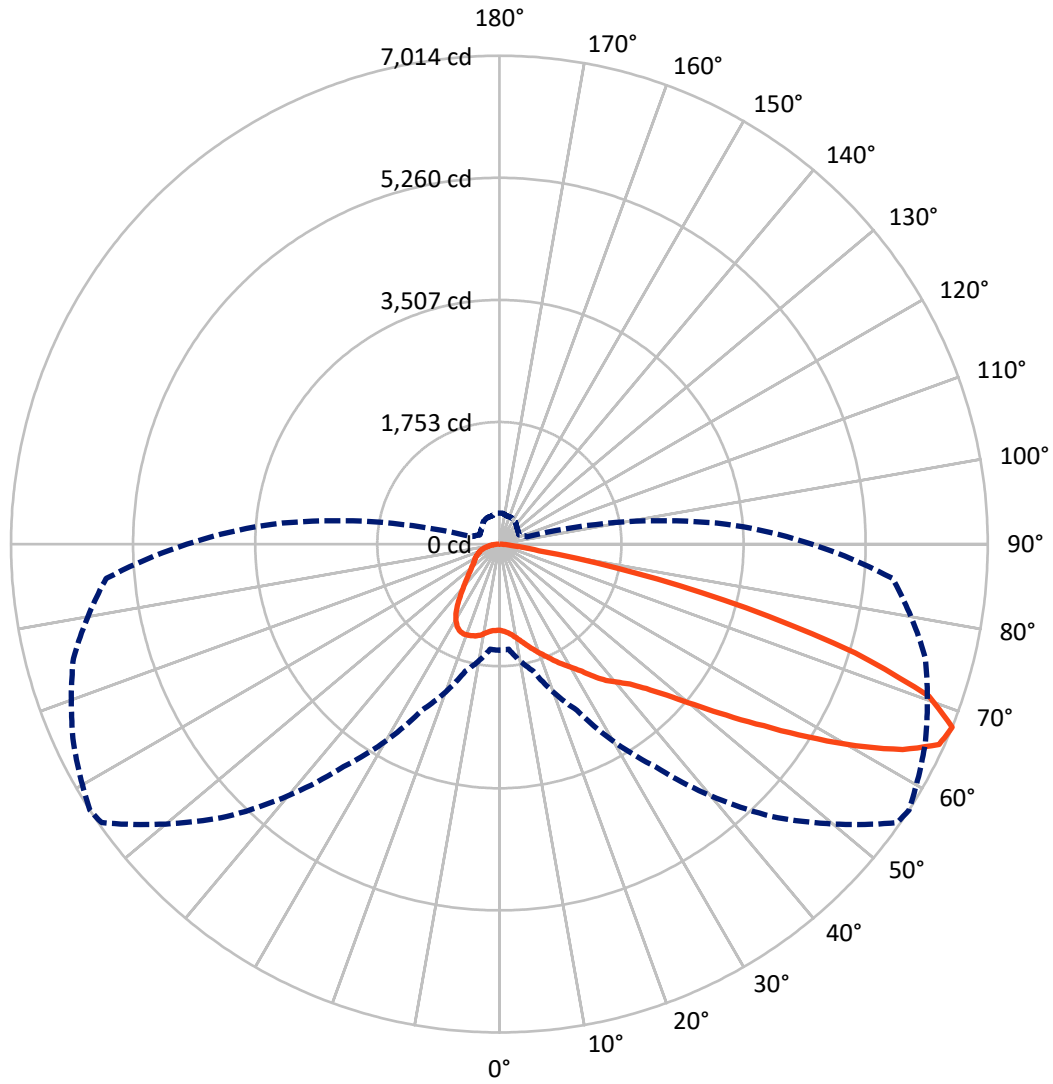
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 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
House Side	Lumens	2257.1	0.0	2257.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8008.8	0.0	8008.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	10265.9	0.0	10265.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	1.2
10°-20°	406.1	4.0
20°-30°	724.1	7.1
30°-40°	1052.7	10.3
40°-50°	1523.6	14.8
50°-60°	2384.4	23.2
60°-70°	2781.6	27.1
70°-80°	1161.1	11.3
80°-90°	109.6	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°	10265.9	100.0
0°-180°	10265.9	100.0

Coefficient of Utilization



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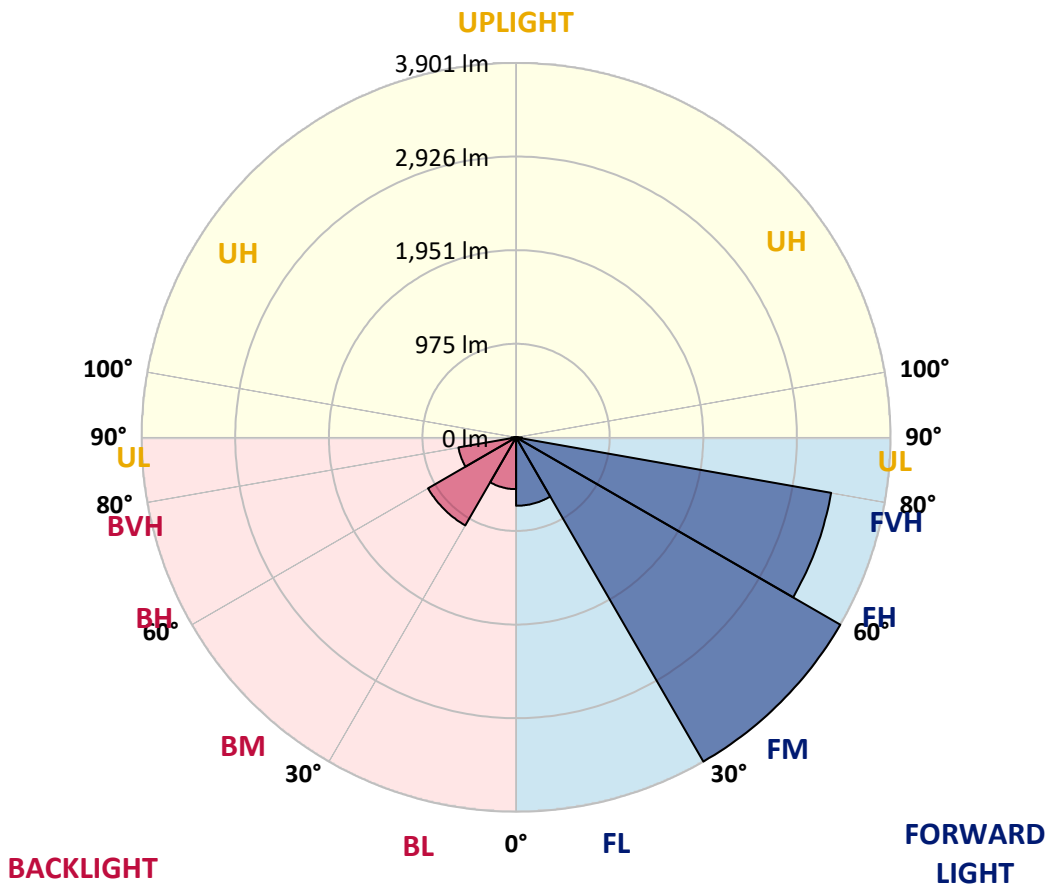
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.1	6.9			
FM (30°-60°)	3901.2	38.0			
FH (60°-80°)	3333.5	32.5			G2/5000
FVH (80°-90°)	61.1	0.6			G1/100
BL (0°-30°)	539.8	5.3	B2/1000		
BM (30°-60°)	1059.5	10.3	B2/2500		
BH (60°-80°)	609.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	48.5	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°	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0
2.5°	1254.6	1253.2	1252.4	1256.8	1255.4	1254.6	1254.6	1253.9	1252.4	1246.5	1238.4
5°	1289.2	1286.2	1283.3	1287.0	1284.0	1281.1	1280.4	1278.9	1273.7	1264.9	1252.4
7.5°	1325.2	1322.3	1323.0	1325.2	1323.0	1321.5	1319.3	1317.9	1309.8	1295.8	1278.9
10°	1376.0	1376.0	1377.4	1379.6	1380.4	1378.2	1373.8	1371.6	1362.0	1344.3	1320.8
12.5°	1449.5	1448.0	1448.0	1446.6	1448.8	1446.6	1442.2	1438.5	1426.7	1403.9	1370.1
15°	1546.6	1540.7	1535.6	1526.0	1523.0	1515.0	1516.4	1514.2	1503.2	1472.3	1429.7
17.5°	1650.3	1649.5	1641.5	1622.3	1603.2	1590.0	1592.9	1592.2	1586.3	1544.4	1490.0
20°	1741.5	1745.1	1737.8	1723.1	1697.3	1672.3	1670.9	1674.5	1667.2	1625.3	1549.5
22.5°	1843.7	1840.7	1833.4	1814.3	1795.2	1768.7	1759.9	1756.9	1754.0	1706.2	1610.6
25°	1940.8	1949.6	1940.0	1922.4	1893.0	1864.3	1856.9	1859.9	1851.8	1788.5	1676.0
27.5°	2063.6	2067.3	2061.4	2037.1	2012.1	1971.7	1957.7	1957.7	1954.7	1865.8	1727.5
30°	2194.5	2204.8	2194.5	2174.6	2148.9	2090.8	2060.6	2057.7	2048.9	1945.2	1787.8
32.5°	2326.1	2333.5	2326.1	2307.0	2277.6	2226.8	2183.5	2176.8	2165.1	2032.0	1849.6
35°	2443.1	2449.7	2448.2	2452.6	2428.3	2364.4	2337.9	2334.9	2304.1	2145.2	1933.4
37.5°	2571.0	2579.1	2568.1	2576.9	2567.3	2507.0	2498.9	2484.2	2440.1	2251.8	2021.7
40°	2716.6	2724.0	2706.3	2710.0	2699.0	2665.2	2624.0	2604.1	2538.7	2367.3	2160.7
42.5°	2872.5	2889.5	2897.5	2890.9	2865.2	2846.1	2774.0	2749.0	2694.6	2575.4	2389.4
45°	3098.3	3123.3	3135.1	3118.2	3107.1	3079.9	2991.7	2961.5	2932.8	2868.9	2708.5
47.5°	3341.7	3364.5	3402.0	3409.4	3418.2	3397.6	3273.3	3243.9	3249.1	3241.7	3101.3
50°	3535.9	3555.0	3639.6	3730.0	3805.0	3810.9	3652.1	3620.5	3648.4	3671.9	3574.1
52.5°	3677.1	3694.0	3805.8	3992.6	4162.5	4288.2	4116.9	4080.8	4103.6	4156.6	4111.7
55°	3791.8	3815.3	3932.3	4219.1	4562.5	4761.1	4651.5	4605.9	4596.4	4661.8	4687.5
57.5°	3852.1	3859.5	4023.5	4396.3	4856.0	5225.1	5272.9	5221.5	5130.3	5166.3	5300.1
60°	3714.6	3727.1	3951.4	4441.9	5087.6	5685.5	5925.3	5882.6	5688.4	5708.3	5856.1
62.5°	3334.4	3352.0	3621.9	4225.0	5106.7	5992.9	6527.6	6500.3	6240.0	6132.6	6176.8
65°	2674.7	2680.6	2960.1	3688.1	4726.5	6031.2	6947.5	6940.9	6625.4	6373.9	6184.9
67.5°	1525.3	1515.0	1888.6	2630.6	3900.7	5534.0	6974.7	7013.7	6750.4	6334.1	5670.1
70°	661.1	662.6	834.7	1298.0	2524.7	4472.8	6478.3	6545.2	6388.6	5673.0	4511.0
72.5°	305.9	310.3	384.6	561.9	1078.1	2774.7	5282.5	5342.8	5208.2	4540.5	3282.2
75°	216.2	219.9	256.7	322.1	495.7	1081.1	3533.7	3660.2	3725.6	3396.2	2162.9
77.5°	164.0	169.1	187.5	223.6	305.9	383.2	1690.7	1992.2	2373.2	2112.9	1114.2
80°	104.4	104.4	124.3	149.3	186.8	199.3	488.3	578.8	1161.2	870.7	437.6
82.5°	70.6	72.8	84.6	94.9	107.4	113.3	209.6	223.6	335.4	296.4	180.2
85°	37.5	39.0	44.1	43.4	51.5	44.9	88.3	87.5	122.8	134.6	68.4
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	9.6	10.3	25.7	41.2	22.8
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°	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0	1237.0
2.5°	1242.9	1234.0	1238.4	1237.0	1241.4	1241.4	1233.3	1231.1	1231.8	1223.0	1220.1
5°	1253.9	1243.6	1245.8	1242.9	1247.3	1250.9	1247.3	1247.3	1251.7	1245.1	1241.4
7.5°	1278.9	1267.1	1267.1	1263.4	1268.6	1271.5	1268.6	1273.0	1281.1	1274.5	1270.8
10°	1318.6	1304.6	1305.4	1301.0	1303.2	1301.7	1289.9	1286.2	1288.5	1282.6	1279.6
12.5°	1370.1	1351.0	1351.0	1342.1	1337.0	1321.5	1297.3	1288.5	1289.9	1284.8	1282.6
15°	1419.4	1401.7	1398.0	1380.4	1356.8	1328.2	1306.1	1300.2	1301.7	1296.5	1292.9
17.5°	1477.5	1454.7	1441.4	1409.1	1365.7	1336.3	1314.2	1300.2	1288.5	1276.7	1273.7
20°	1531.1	1502.5	1478.2	1428.2	1375.2	1334.8	1293.6	1259.0	1230.4	1214.9	1211.2
22.5°	1586.3	1549.5	1506.9	1441.4	1374.5	1308.3	1232.6	1180.3	1137.7	1114.9	1119.3
25°	1638.5	1592.2	1534.1	1453.9	1351.0	1249.5	1146.5	1068.6	1020.0	1002.4	997.2
27.5°	1681.9	1624.5	1559.1	1448.0	1302.4	1164.9	1028.8	942.1	895.0	875.1	870.0
30°	1730.4	1665.7	1595.1	1420.8	1225.9	1046.5	895.7	825.1	791.3	772.2	772.9
32.5°	1786.3	1718.7	1645.9	1368.6	1128.1	918.5	786.2	737.6	710.4	691.3	688.4
35°	1861.3	1794.4	1679.7	1289.9	1003.8	800.9	711.1	671.4	637.6	612.6	607.5
37.5°	1954.0	1908.4	1683.4	1184.8	870.7	720.0	657.5	614.8	573.6	540.5	536.9
40°	2112.9	2060.6	1653.2	1053.1	757.5	667.8	612.6	563.3	515.5	478.8	473.6
42.5°	2339.4	2232.0	1588.5	904.6	672.2	626.6	569.9	507.4	458.9	433.2	429.5
45°	2627.6	2423.2	1491.4	764.8	608.9	586.1	525.1	459.6	433.9	415.5	411.8
47.5°	2980.6	2646.0	1379.6	656.0	559.7	549.4	479.5	443.5	420.7	405.2	401.5
50°	3402.8	2929.9	1287.7	570.7	515.5	506.7	464.8	433.9	415.5	403.0	400.1
52.5°	3884.5	3245.4	1242.9	509.6	477.3	468.5	459.6	431.7	416.2	406.7	403.0
55°	4384.6	3577.8	1200.9	462.6	444.9	450.1	460.4	439.0	427.3	414.8	411.1
57.5°	4867.7	3889.6	1098.0	425.8	421.4	441.3	464.0	446.4	432.4	419.9	415.5
60°	5200.9	4060.2	923.7	396.4	403.7	430.2	454.5	435.4	417.7	412.6	410.4
62.5°	5290.6	4039.6	717.0	366.2	382.4	406.0	429.5	417.0	398.6	406.7	407.4
65°	5081.0	3819.0	538.3	336.8	354.5	374.3	403.7	398.6	392.0	414.0	414.8
67.5°	4487.5	3277.0	410.4	311.1	325.8	350.1	395.7	417.0	418.5	446.4	443.5
70°	3395.4	2448.2	321.4	286.8	303.7	350.1	421.4	431.0	413.3	439.0	433.2
72.5°	2347.5	1615.7	273.6	265.5	276.5	333.9	420.7	420.7	401.5	401.5	390.5
75°	1458.3	950.2	238.3	238.3	238.3	292.0	408.9	387.6	353.7	338.3	329.5
77.5°	720.0	461.8	200.0	207.4	199.3	244.2	333.9	317.0	296.4	280.2	274.3
80°	307.4	230.9	161.8	169.9	160.3	183.9	264.8	261.1	241.2	219.9	213.3
82.5°	141.2	119.1	129.4	133.1	116.9	138.3	193.4	193.4	182.4	153.0	141.9
85°	60.3	63.2	89.7	89.7	73.5	78.0	103.7	98.5	88.3	72.1	66.2
87.5°	20.6	30.9	45.6	39.7	15.4	6.6	3.7	1.5	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)