

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: P632394

Luminaire Tested: GWS-SA2C-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632394
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-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9473.8 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

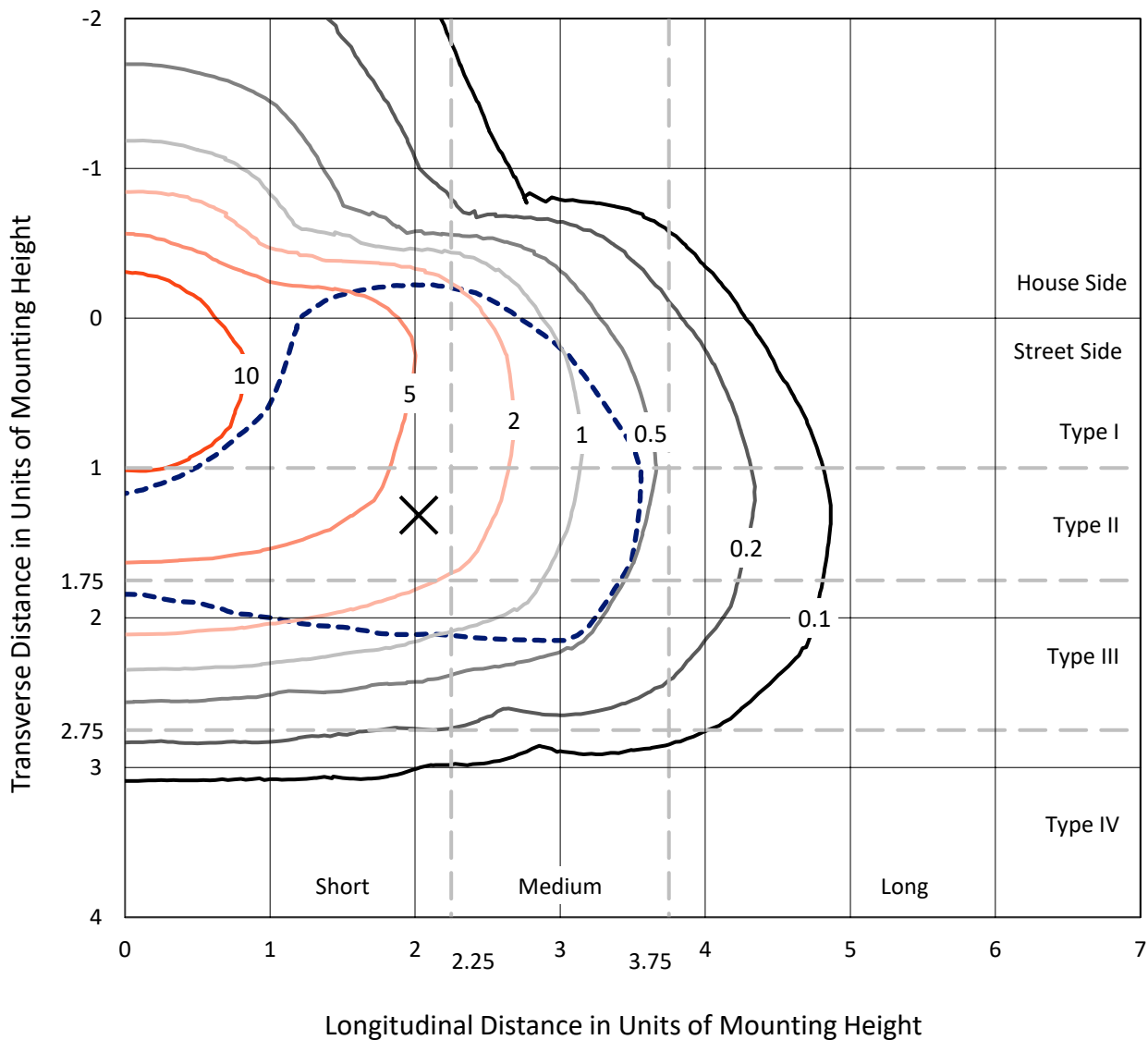
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

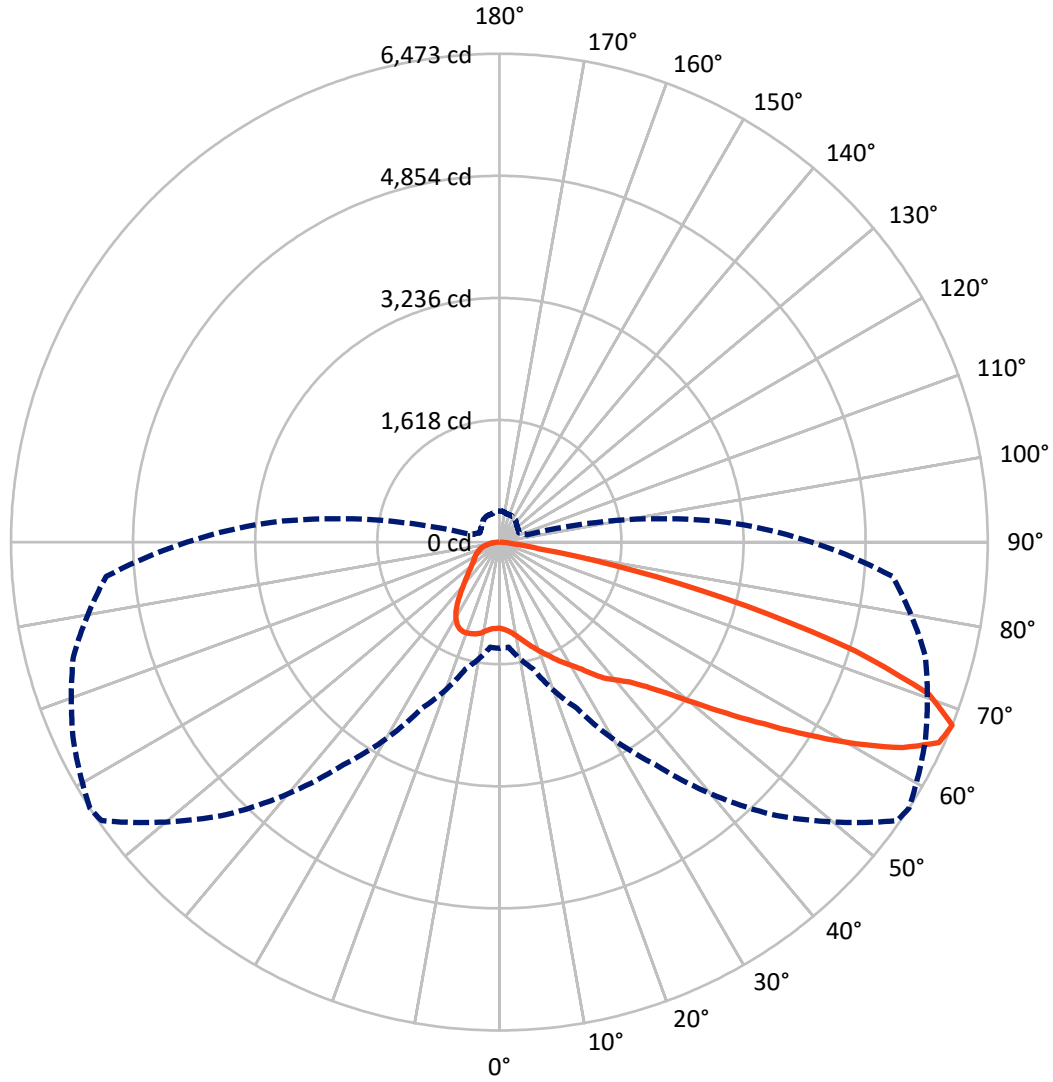
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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	2082.9	0.0	2082.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7390.9	0.0	7390.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	9473.8	0.0	9473.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	1.2
10°-20°	374.8	4.0
20°-30°	668.2	7.1
30°-40°	971.5	10.3
40°-50°	1406.1	14.8
50°-60°	2200.4	23.2
60°-70°	2566.9	27.1
70°-80°	1071.5	11.3
80°-90°	101.1	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°	9473.8	100.0
0°-180°	9473.8	100.0

Coefficient of Utilization



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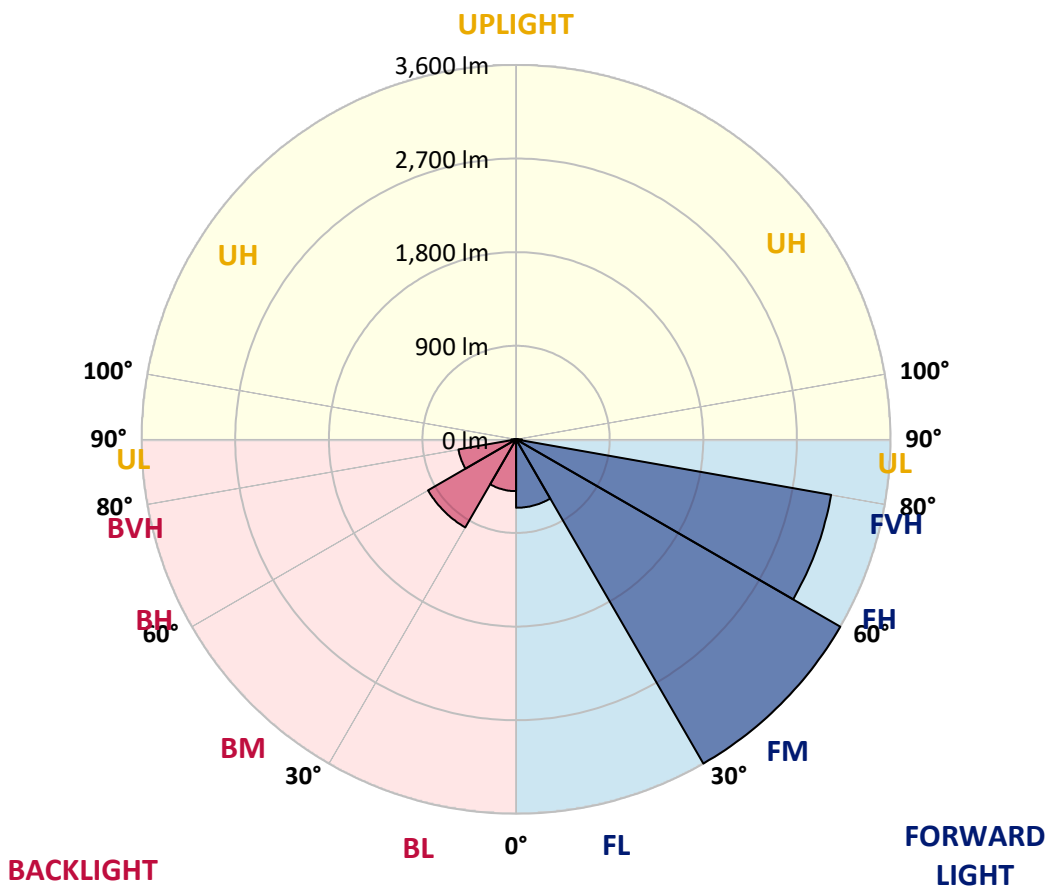
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.0	6.9			
FM (30°-60°)	3600.2	38.0			
FH (60°-80°)	3076.3	32.5			G2/5000
FVH (80°-90°)	56.3	0.6			G1/100
BL (0°-30°)	498.2	5.3	B1/500		
BM (30°-60°)	977.8	10.3	B1/1000		
BH (60°-80°)	562.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	44.8	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°	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5
2.5°	1157.8	1156.5	1155.8	1159.9	1158.5	1157.8	1157.8	1157.1	1155.8	1150.4	1142.9
5°	1189.7	1187.0	1184.3	1187.7	1185.0	1182.2	1181.6	1180.2	1175.5	1167.3	1155.8
7.5°	1223.0	1220.3	1220.9	1223.0	1220.9	1219.6	1217.5	1216.2	1208.7	1195.8	1180.2
10°	1269.8	1269.8	1271.2	1273.2	1273.9	1271.8	1267.8	1265.7	1256.9	1240.6	1218.9
12.5°	1337.7	1336.3	1336.3	1335.0	1337.0	1335.0	1330.9	1327.5	1316.6	1295.6	1264.4
15°	1427.2	1421.8	1417.1	1408.2	1405.5	1398.1	1399.4	1397.4	1387.2	1358.7	1319.3
17.5°	1522.9	1522.3	1514.8	1497.2	1479.5	1467.3	1470.0	1469.3	1463.9	1425.2	1375.0
20°	1607.1	1610.5	1603.7	1590.1	1566.4	1543.3	1541.9	1545.3	1538.6	1499.9	1430.0
22.5°	1701.4	1698.7	1691.9	1674.3	1656.6	1632.2	1624.1	1621.4	1618.6	1574.5	1486.3
25°	1791.0	1799.2	1790.3	1774.1	1746.9	1720.4	1713.6	1716.4	1708.9	1650.5	1546.7
27.5°	1904.4	1907.8	1902.3	1879.9	1856.8	1819.5	1806.6	1806.6	1803.9	1721.8	1594.2
30°	2025.2	2034.7	2025.2	2006.8	1983.1	1929.5	1901.6	1898.9	1890.8	1795.1	1649.9
32.5°	2146.6	2153.4	2146.6	2129.0	2101.9	2055.0	2015.0	2008.9	1998.0	1875.2	1706.9
35°	2254.6	2260.7	2259.3	2263.4	2241.0	2181.9	2157.5	2154.8	2126.3	1979.7	1784.2
37.5°	2372.6	2380.1	2369.9	2378.1	2369.2	2313.6	2306.1	2292.6	2251.8	2078.1	1865.7
40°	2507.0	2513.8	2497.5	2500.9	2490.7	2459.5	2421.5	2403.2	2342.8	2184.6	1993.9
42.5°	2650.9	2666.5	2674.0	2667.9	2644.1	2626.5	2560.0	2536.9	2486.7	2376.7	2205.0
45°	2859.3	2882.3	2893.2	2877.6	2867.4	2842.3	2760.8	2733.0	2706.5	2647.5	2499.6
47.5°	3083.9	3104.9	3139.5	3146.3	3154.5	3135.5	3020.8	2993.6	2998.4	2991.6	2862.0
50°	3263.1	3280.7	3358.8	3442.2	3511.5	3516.9	3370.3	3341.1	3366.9	3388.6	3298.4
52.5°	3393.4	3409.0	3512.1	3684.5	3841.3	3957.3	3799.2	3766.0	3787.0	3835.9	3794.5
55°	3499.2	3521.0	3628.9	3893.5	4210.5	4393.7	4292.6	4250.5	4241.7	4302.1	4325.9
57.5°	3554.9	3561.7	3713.0	4057.1	4481.3	4822.0	4866.1	4818.6	4734.4	4767.7	4891.2
60°	3428.0	3439.5	3646.5	4099.2	4695.1	5246.8	5468.1	5428.7	5249.5	5267.9	5404.3
62.5°	3077.1	3093.4	3342.5	3899.0	4712.7	5530.5	6023.9	5998.8	5758.5	5659.5	5700.2
65°	2468.3	2473.8	2731.7	3403.5	4361.8	5565.8	6411.4	6405.3	6114.2	5882.1	5707.6
67.5°	1407.6	1398.1	1742.8	2427.6	3599.7	5107.0	6436.5	6472.5	6229.5	5845.4	5232.6
70°	610.1	611.5	770.3	1197.9	2329.9	4127.7	5978.4	6040.2	5895.6	5235.3	4163.0
72.5°	282.3	286.4	354.9	518.5	994.9	2560.6	4874.9	4930.6	4806.4	4190.1	3028.9
75°	199.5	202.9	236.9	297.3	457.4	997.6	3261.0	3377.8	3438.2	3134.1	1996.0
77.5°	151.3	156.1	173.1	206.3	282.3	353.6	1560.3	1838.5	2190.1	1949.8	1028.2
80°	96.4	96.4	114.7	137.8	172.4	183.9	450.6	534.1	1071.6	803.5	403.8
82.5°	65.2	67.2	78.0	87.5	99.1	104.5	193.4	206.3	309.5	273.5	166.3
85°	34.6	36.0	40.7	40.0	47.5	41.4	81.4	80.8	113.3	124.2	63.1
87.5°	0.0	0.0	0.7	0.7	1.4	2.0	8.8	9.5	23.8	38.0	21.0
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°	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5
2.5°	1147.0	1138.8	1142.9	1141.5	1145.6	1145.6	1138.1	1136.1	1136.8	1128.6	1125.9
5°	1157.1	1147.6	1149.7	1147.0	1151.0	1154.4	1151.0	1151.0	1155.1	1149.0	1145.6
7.5°	1180.2	1169.4	1169.4	1166.0	1170.7	1173.4	1170.7	1174.8	1182.2	1176.1	1172.7
10°	1216.9	1204.0	1204.6	1200.6	1202.6	1201.3	1190.4	1187.0	1189.0	1183.6	1180.9
12.5°	1264.4	1246.7	1246.7	1238.6	1233.8	1219.6	1197.2	1189.0	1190.4	1185.6	1183.6
15°	1309.8	1293.6	1290.2	1273.9	1252.2	1225.7	1205.3	1199.9	1201.3	1196.5	1193.1
17.5°	1363.5	1342.4	1330.2	1300.3	1260.3	1233.1	1212.8	1199.9	1189.0	1178.2	1175.5
20°	1413.0	1386.5	1364.1	1318.0	1269.1	1231.8	1193.8	1161.9	1135.4	1121.2	1117.8
22.5°	1463.9	1430.0	1390.6	1330.2	1268.4	1207.4	1137.5	1089.3	1049.9	1028.9	1032.9
25°	1512.1	1469.3	1415.7	1341.7	1246.7	1153.1	1058.1	986.1	941.3	925.0	920.3
27.5°	1552.1	1499.2	1438.8	1336.3	1201.9	1075.0	949.5	869.4	825.9	807.6	802.9
30°	1596.9	1537.2	1472.0	1311.2	1131.3	965.8	826.6	761.5	730.3	712.6	713.3
32.5°	1648.5	1586.1	1518.9	1263.0	1041.1	847.7	725.5	680.7	655.6	638.0	635.2
35°	1717.7	1656.0	1550.1	1190.4	926.4	739.1	656.3	619.6	588.4	565.3	560.6
37.5°	1803.2	1761.2	1553.5	1093.3	803.5	664.4	606.7	567.4	529.4	498.8	495.4
40°	1949.8	1901.6	1525.7	971.9	699.0	616.2	565.3	519.9	475.7	441.8	437.1
42.5°	2158.9	2059.8	1465.9	834.8	620.3	578.2	526.0	468.3	423.5	399.7	396.3
45°	2424.9	2236.2	1376.3	705.8	561.9	540.9	484.6	424.2	400.4	383.5	380.1
47.5°	2750.7	2441.9	1273.2	605.4	516.5	507.0	442.5	409.2	388.2	373.9	370.6
50°	3140.2	2703.8	1188.4	526.7	475.7	467.6	428.9	400.4	383.5	371.9	369.2
52.5°	3584.8	2995.0	1147.0	470.3	440.5	432.3	424.2	398.4	384.1	375.3	371.9
55°	4046.2	3301.7	1108.3	426.9	410.6	415.3	424.8	405.2	394.3	382.8	379.4
57.5°	4492.1	3589.5	1013.3	393.0	388.9	407.2	428.2	412.0	399.1	387.5	383.5
60°	4799.6	3747.0	852.4	365.8	372.6	397.0	419.4	401.8	385.5	380.7	378.7
62.5°	4882.4	3728.0	661.7	338.0	352.9	374.6	396.3	384.8	367.8	375.3	376.0
65°	4689.0	3524.4	496.8	310.8	327.1	345.4	372.6	367.8	361.7	382.1	382.8
67.5°	4141.3	3024.2	378.7	287.1	300.7	323.0	365.1	384.8	386.2	412.0	409.2
70°	3133.4	2259.3	296.6	264.7	280.3	323.0	388.9	397.7	381.4	405.2	399.7
72.5°	2166.3	1491.0	252.5	245.0	255.2	308.1	388.2	388.2	370.6	370.6	360.4
75°	1345.8	876.8	219.9	219.9	219.9	269.4	377.3	357.7	326.4	312.2	304.0
77.5°	664.4	426.2	184.6	191.4	183.9	225.3	308.1	292.5	273.5	258.6	253.1
80°	283.7	213.1	149.3	156.8	148.0	169.7	244.3	240.9	222.6	202.9	196.8
82.5°	130.3	109.9	119.4	122.8	107.9	127.6	178.5	178.5	168.3	141.2	131.0
85°	55.7	58.4	82.8	82.8	67.9	71.9	95.7	90.9	81.4	66.5	61.1
87.5°	19.0	28.5	42.1	36.6	14.3	6.1	3.4	1.4	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)