

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: P632339

Luminaire Tested: GWS-SA2C-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632339
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-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9261.6 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

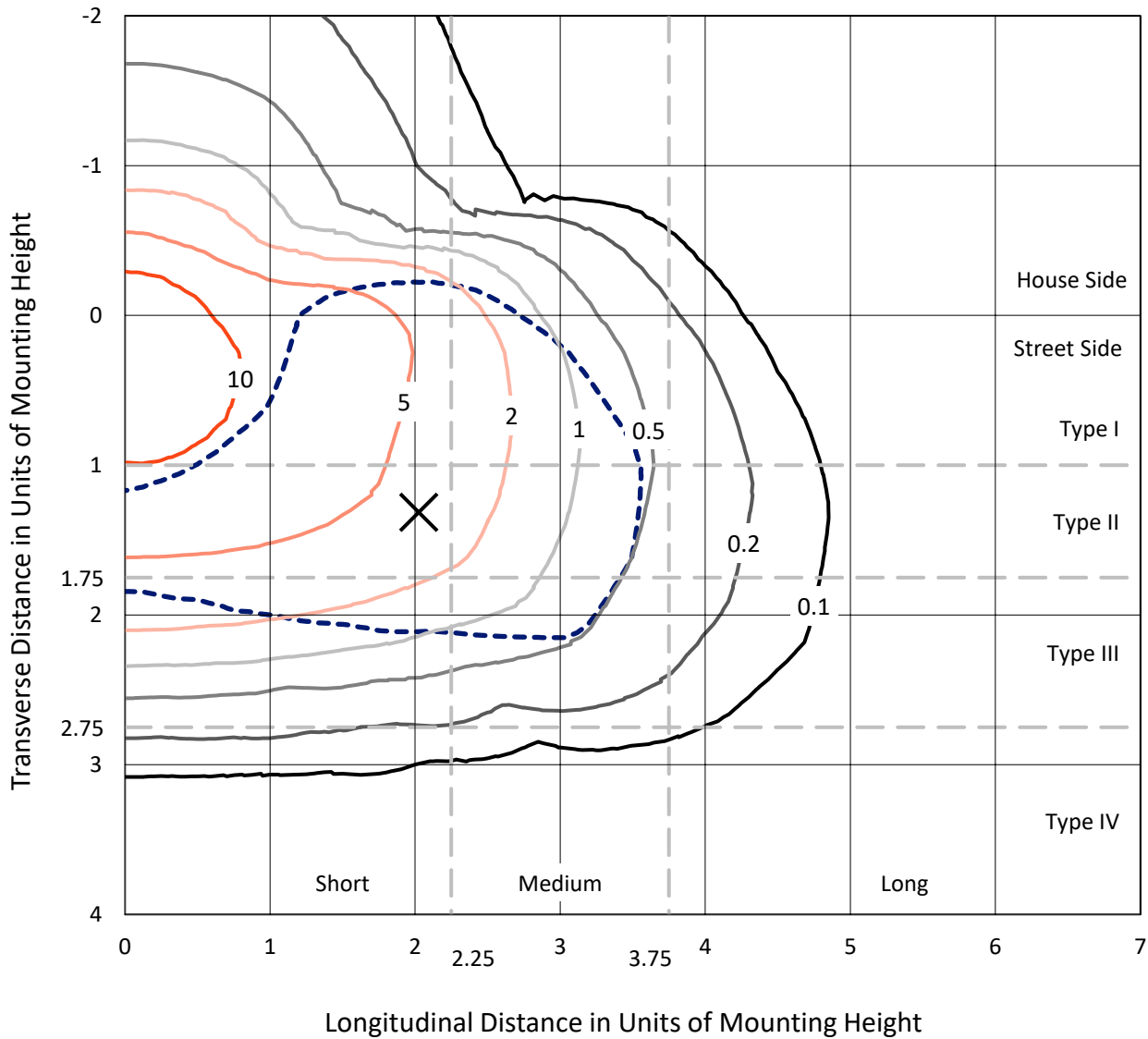
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

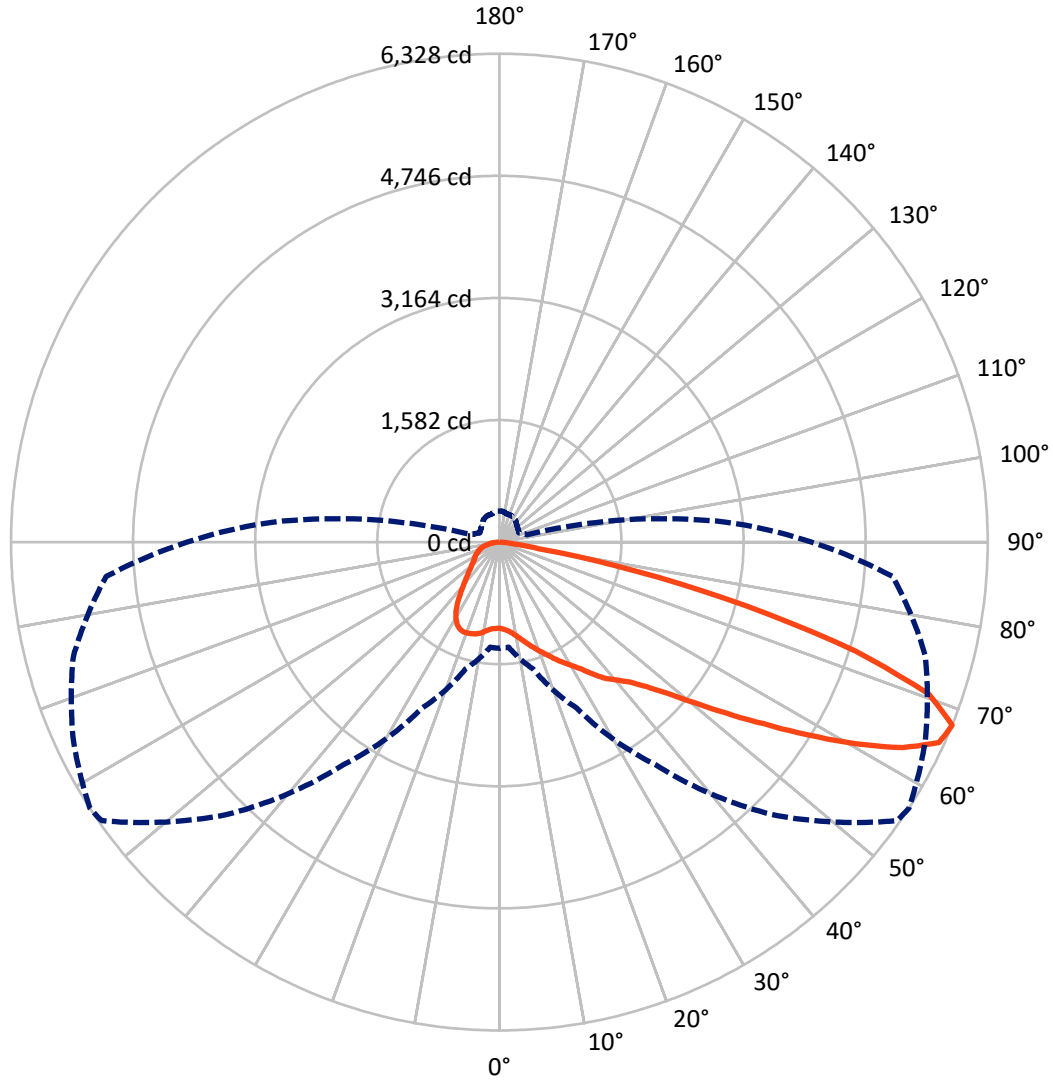
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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	2036.3	0.0	2036.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7225.3	0.0	7225.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	9261.6	0.0	9261.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	1.2
10°-20°	366.4	4.0
20°-30°	653.2	7.1
30°-40°	949.7	10.3
40°-50°	1374.6	14.8
50°-60°	2151.1	23.2
60°-70°	2509.4	27.1
70°-80°	1047.6	11.3
80°-90°	98.9	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°	9261.6	100.0
0°-180°	9261.6	100.0

Coefficient of Utilization



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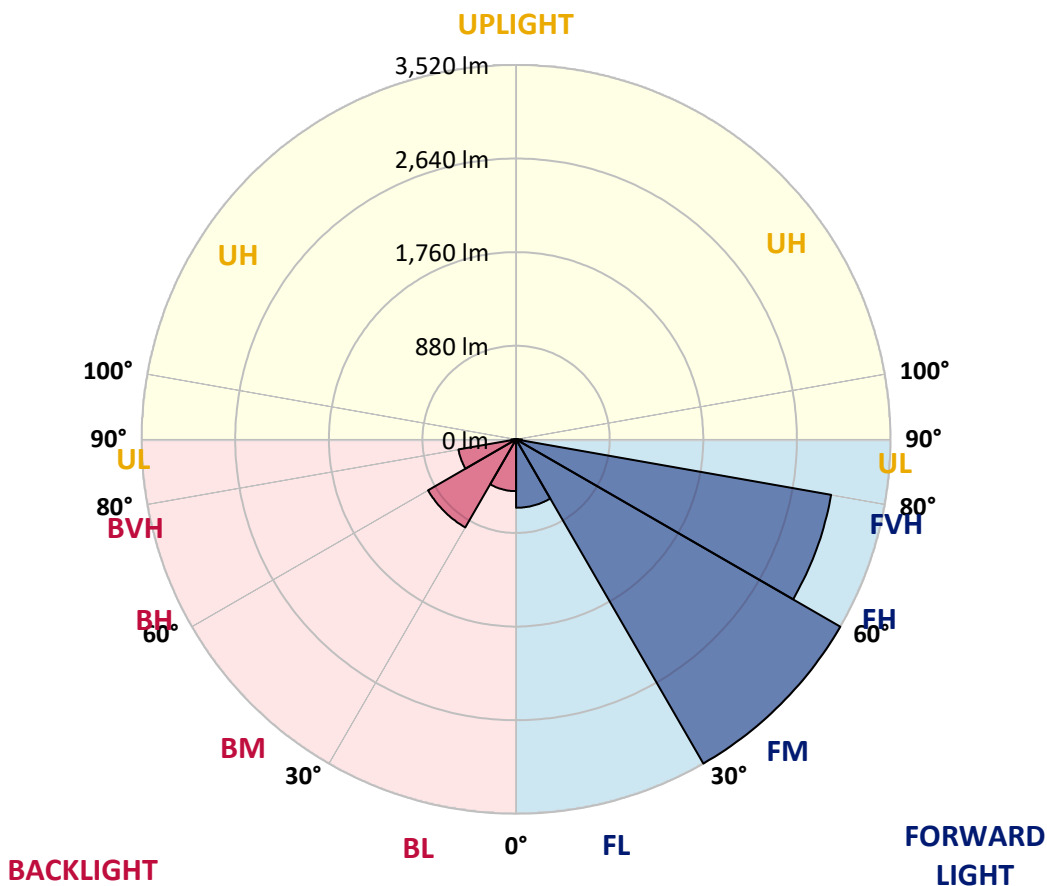
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.3	6.9			
FM (30°-60°)	3519.5	38.0			
FH (60°-80°)	3007.4	32.5			G2/5000
FVH (80°-90°)	55.1	0.6			G1/100
BL (0°-30°)	487.0	5.3	B1/500		
BM (30°-60°)	955.9	10.3	B1/1000		
BH (60°-80°)	549.6	5.9	B2/1000		G2/1000
BVH (80°-90°)	43.8	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°	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0
2.5°	1131.9	1130.6	1129.9	1133.9	1132.5	1131.9	1131.9	1131.2	1129.9	1124.6	1117.3
5°	1163.1	1160.4	1157.8	1161.1	1158.4	1155.8	1155.1	1153.8	1149.1	1141.2	1129.9
7.5°	1195.6	1192.9	1193.6	1195.6	1193.6	1192.3	1190.3	1188.9	1181.6	1169.0	1153.8
10°	1241.4	1241.4	1242.7	1244.7	1245.3	1243.3	1239.4	1237.4	1228.7	1212.8	1191.6
12.5°	1307.7	1306.4	1306.4	1305.0	1307.0	1305.0	1301.1	1297.8	1287.1	1266.6	1236.0
15°	1395.3	1390.0	1385.3	1376.7	1374.1	1366.8	1368.1	1366.1	1356.1	1328.3	1289.8
17.5°	1488.8	1488.2	1480.9	1463.6	1446.4	1434.4	1437.1	1436.4	1431.1	1393.3	1344.2
20°	1571.1	1574.4	1567.8	1554.5	1531.3	1508.7	1507.4	1510.7	1504.1	1466.3	1397.9
22.5°	1663.3	1660.7	1654.0	1636.8	1619.5	1595.6	1587.7	1585.0	1582.4	1539.3	1453.0
25°	1750.9	1758.9	1750.2	1734.3	1707.8	1681.9	1675.3	1677.9	1670.6	1613.6	1512.1
27.5°	1861.7	1865.0	1859.7	1837.8	1815.3	1778.8	1766.2	1766.2	1763.5	1683.2	1558.5
30°	1979.8	1989.1	1979.8	1961.9	1938.7	1886.3	1859.0	1856.4	1848.4	1754.9	1612.9
32.5°	2098.6	2105.2	2098.6	2081.3	2054.8	2009.0	1969.8	1963.9	1953.3	1833.2	1668.6
35°	2204.1	2210.0	2208.7	2212.7	2190.8	2133.1	2109.2	2106.5	2078.7	1935.3	1744.3
37.5°	2319.5	2326.8	2316.8	2324.8	2316.2	2261.8	2254.5	2241.2	2201.4	2031.6	1823.9
40°	2450.9	2457.5	2441.6	2444.9	2434.9	2404.4	2367.3	2349.4	2290.3	2135.7	1949.3
42.5°	2591.5	2606.8	2614.1	2608.1	2584.9	2567.6	2502.6	2480.1	2431.0	2323.5	2155.6
45°	2795.2	2817.8	2828.4	2813.1	2803.2	2778.6	2699.0	2671.8	2645.9	2588.2	2443.6
47.5°	3014.8	3035.4	3069.2	3075.9	3083.8	3065.2	2953.1	2926.6	2931.2	2924.6	2797.9
50°	3190.0	3207.2	3283.5	3365.1	3432.8	3438.1	3294.8	3266.3	3291.5	3312.7	3224.5
52.5°	3317.4	3332.6	3433.5	3602.0	3755.3	3868.7	3714.1	3681.6	3702.2	3749.9	3709.5
55°	3420.9	3442.1	3547.6	3806.3	4116.2	4295.3	4196.5	4155.3	4146.7	4205.7	4229.0
57.5°	3475.3	3481.9	3629.9	3966.2	4380.9	4714.0	4757.1	4710.7	4628.4	4660.9	4781.6
60°	3351.2	3362.5	3564.8	4007.4	4589.9	5129.3	5345.6	5307.1	5132.0	5149.9	5283.2
62.5°	3008.2	3024.1	3267.6	3811.6	4607.1	5406.6	5889.0	5864.4	5629.6	5532.7	5572.5
65°	2413.0	2418.4	2670.5	3327.3	4264.1	5441.1	6267.8	6261.8	5977.2	5750.3	5579.8
67.5°	1376.0	1366.8	1703.8	2373.2	3519.1	4992.6	6292.4	6327.5	6090.0	5714.5	5115.4
70°	596.5	597.8	753.0	1171.0	2277.7	4035.2	5844.5	5904.9	5763.6	5118.0	4069.7
72.5°	276.0	280.0	347.0	506.9	972.6	2503.3	4765.7	4820.1	4698.7	4096.3	2961.1
75°	195.1	198.4	231.6	290.6	447.2	975.3	3188.0	3302.1	3361.1	3063.9	1951.3
77.5°	148.0	152.6	169.2	201.7	276.0	345.7	1525.3	1797.3	2141.0	1906.2	1005.2
80°	94.2	94.2	112.1	134.7	168.5	179.8	440.5	522.2	1047.6	785.6	394.8
82.5°	63.7	65.7	76.3	85.6	96.9	102.2	189.1	201.7	302.5	267.4	162.6
85°	33.8	35.2	39.8	39.1	46.4	40.5	79.6	79.0	110.8	121.4	61.7
87.5°	0.0	0.0	0.7	0.7	1.3	2.0	8.6	9.3	23.2	37.2	20.6
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°	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0
2.5°	1121.3	1113.3	1117.3	1116.0	1119.9	1119.9	1112.6	1110.7	1111.3	1103.4	1100.7
5°	1131.2	1121.9	1123.9	1121.3	1125.2	1128.6	1125.2	1125.2	1129.2	1123.3	1119.9
7.5°	1153.8	1143.2	1143.2	1139.8	1144.5	1147.1	1144.5	1148.5	1155.8	1149.8	1146.5
10°	1189.6	1177.0	1177.7	1173.7	1175.7	1174.3	1163.7	1160.4	1162.4	1157.1	1154.4
12.5°	1236.0	1218.8	1218.8	1210.8	1206.2	1192.3	1170.4	1162.4	1163.7	1159.1	1157.1
15°	1280.5	1264.6	1261.3	1245.3	1224.1	1198.2	1178.3	1173.0	1174.3	1169.7	1166.4
17.5°	1332.9	1312.3	1300.4	1271.2	1232.1	1205.5	1185.6	1173.0	1162.4	1151.8	1149.1
20°	1381.3	1355.5	1333.6	1288.5	1240.7	1204.2	1167.0	1135.9	1110.0	1096.1	1092.7
22.5°	1431.1	1397.9	1359.5	1300.4	1240.0	1180.3	1112.0	1064.9	1026.4	1005.8	1009.8
25°	1478.2	1436.4	1384.0	1311.7	1218.8	1127.2	1034.4	964.0	920.2	904.3	899.7
27.5°	1517.4	1465.6	1406.6	1306.4	1175.0	1050.9	928.2	849.9	807.4	789.5	784.9
30°	1561.1	1502.8	1439.1	1281.8	1106.0	944.1	808.1	744.4	713.9	696.6	697.3
32.5°	1611.6	1550.5	1484.9	1234.7	1017.8	828.7	709.3	665.5	640.9	623.7	621.0
35°	1679.2	1618.9	1515.4	1163.7	905.6	722.5	641.6	605.7	575.2	552.7	548.0
37.5°	1762.8	1721.7	1518.7	1068.9	785.6	649.5	593.1	554.7	517.5	487.7	484.3
40°	1906.2	1859.0	1491.5	950.1	683.4	602.4	552.7	508.2	465.1	431.9	427.3
42.5°	2110.5	2013.6	1433.1	816.1	606.4	565.3	514.2	457.8	414.0	390.8	387.5
45°	2370.6	2186.1	1345.5	690.0	549.4	528.8	473.7	414.7	391.4	374.9	371.5
47.5°	2689.1	2387.2	1244.7	591.8	504.9	495.6	432.6	400.1	379.5	365.6	362.3
50°	3069.9	2643.3	1161.7	514.9	465.1	457.1	419.3	391.4	374.9	363.6	360.9
52.5°	3504.5	2927.9	1121.3	459.8	430.6	422.6	414.7	389.5	375.5	366.9	363.6
55°	3955.6	3227.8	1083.4	417.3	401.4	406.0	415.3	396.1	385.5	374.2	370.9
57.5°	4391.5	3509.1	990.6	384.2	380.2	398.1	418.7	402.7	390.1	378.8	374.9
60°	4692.1	3663.0	833.3	357.6	364.2	388.1	410.0	392.8	376.9	372.2	370.2
62.5°	4773.0	3644.5	646.9	330.4	345.0	366.2	387.5	376.2	359.6	366.9	367.6
65°	4583.9	3445.4	485.7	303.9	319.8	337.7	364.2	359.6	353.6	373.5	374.2
67.5°	4048.5	2956.4	370.2	280.6	293.9	315.8	356.9	376.2	377.5	402.7	400.1
70°	3063.2	2208.7	289.9	258.8	274.0	315.8	380.2	388.8	372.9	396.1	390.8
72.5°	2117.8	1457.6	246.8	239.5	249.5	301.2	379.5	379.5	362.3	362.3	352.3
75°	1315.7	857.2	215.0	215.0	215.0	263.4	368.9	349.6	319.1	305.2	297.2
77.5°	649.5	416.7	180.5	187.1	179.8	220.3	301.2	286.0	267.4	252.8	247.5
80°	277.3	208.3	146.0	153.3	144.6	165.9	238.8	235.5	217.6	198.4	192.4
82.5°	127.4	107.5	116.8	120.1	105.5	124.7	174.5	174.5	164.5	138.0	128.1
85°	54.4	57.1	80.9	80.9	66.3	70.3	93.5	88.9	79.6	65.0	59.7
87.5°	18.6	27.9	41.1	35.8	13.9	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)