

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: P632724

Luminaire Tested: GWS-SA2D-730-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632724
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-SA2D-730-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10639.7 lumens
Efficiency: N/A
Efficacy: 129.6 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): 82.1
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

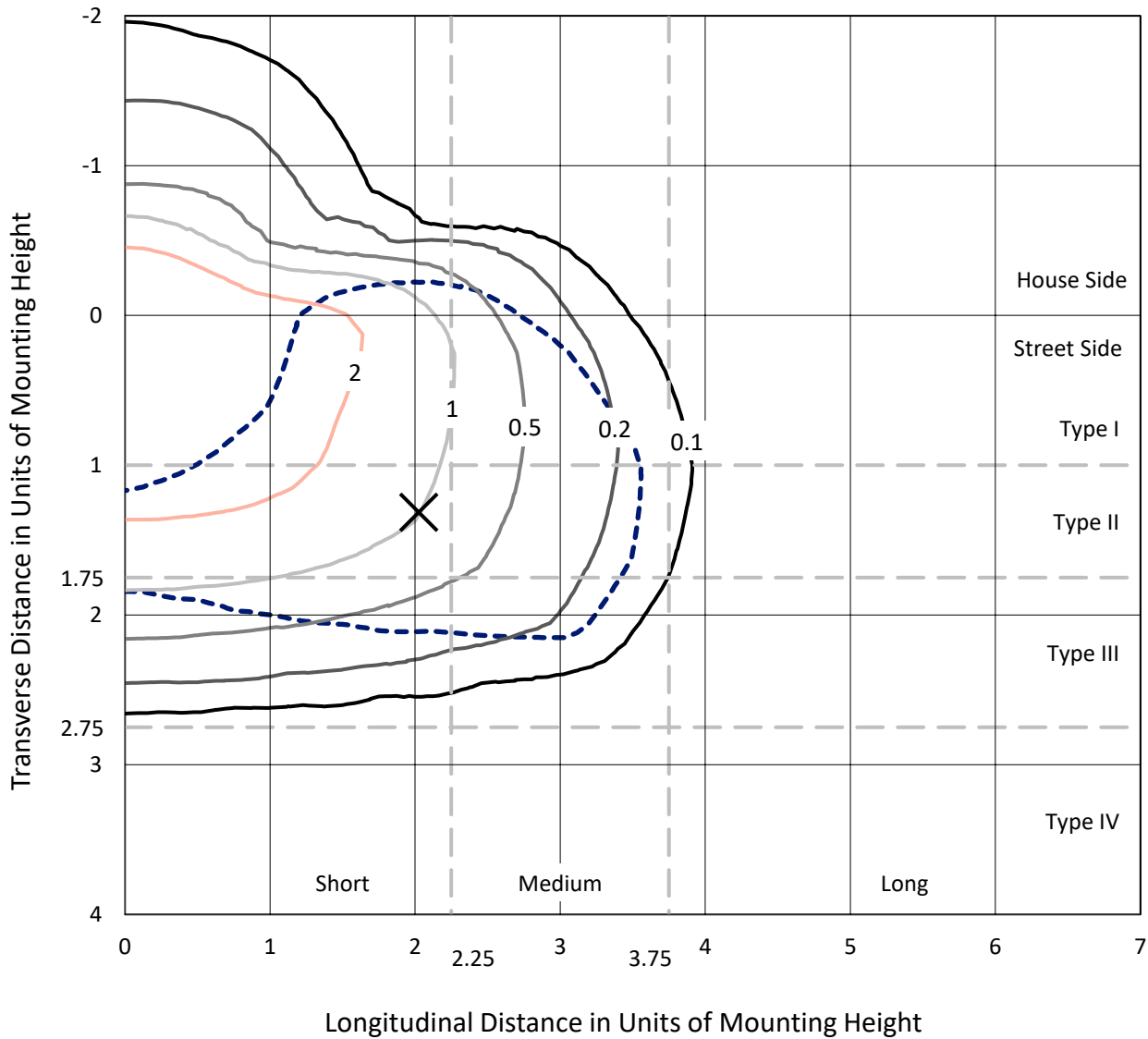


REPORT NUMBER: P632724

CATALOG NUMBER: GWS-SA2D-730-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

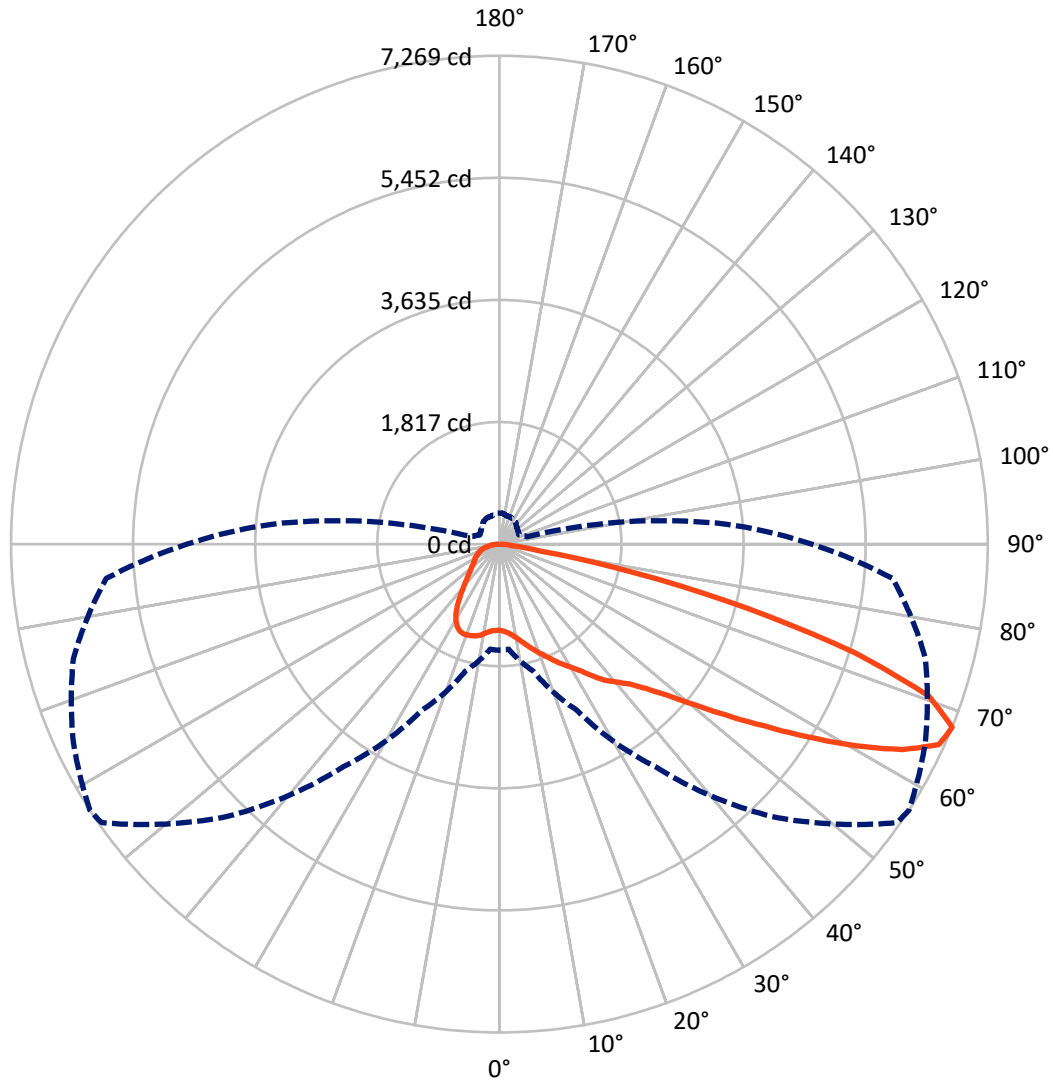
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

REPORT NUMBER: P632724
CATALOG NUMBER: GWS-SA2D-730-U-T3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632724

CATALOG NUMBER: GWS-SA2D-730-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2339.3	0.0	2339.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8300.4	0.0	8300.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	10639.7	0.0	10639.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	1.2
10°-20°	420.9	4.0
20°-30°	750.4	7.1
30°-40°	1091.0	10.3
40°-50°	1579.1	14.8
50°-60°	2471.2	23.2
60°-70°	2882.8	27.1
70°-80°	1203.4	11.3
80°-90°	113.6	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°	10639.7	100.0
0°-180°	10639.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632724

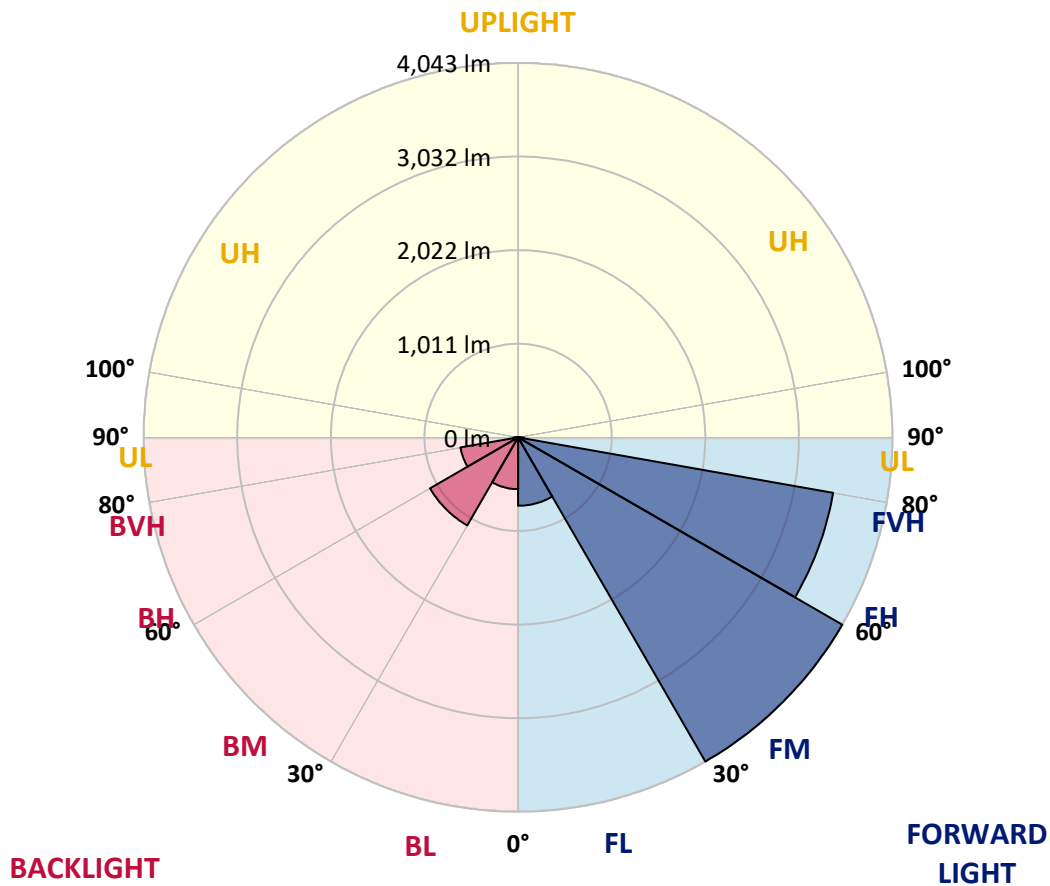
CATALOG NUMBER: GWS-SA2D-730-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.0	6.9			
FM (30°-60°)	4043.2	38.0			
FH (60°-80°)	3454.9	32.5			G2/5000
FVH (80°-90°)	63.3	0.6			G1/100
BL (0°-30°)	559.5	5.3	B2/1000		
BM (30°-60°)	1098.1	10.3	B2/2500		
BH (60°-80°)	631.4	5.9	B2/1000		G2/1000
BVH (80°-90°)	50.3	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





REPORT NUMBER: P632724
 CATALOG NUMBER: GWS-SA2D-730-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0
2.5°	1300.3	1298.8	1298.0	1302.6	1301.1	1300.3	1300.3	1299.5	1298.0	1291.9	1283.5
5°	1336.1	1333.1	1330.0	1333.8	1330.8	1327.7	1327.0	1325.5	1320.1	1311.0	1298.0
7.5°	1373.5	1370.4	1371.2	1373.5	1371.2	1369.7	1367.4	1365.9	1357.5	1343.0	1325.5
10°	1426.1	1426.1	1427.6	1429.9	1430.6	1428.4	1423.8	1421.5	1411.6	1393.3	1368.9
12.5°	1502.3	1500.8	1500.8	1499.2	1501.5	1499.2	1494.7	1490.9	1478.7	1455.0	1420.0
15°	1602.9	1596.8	1591.5	1581.6	1578.5	1570.1	1571.6	1569.4	1557.9	1525.9	1481.7
17.5°	1710.4	1709.6	1701.2	1681.4	1661.6	1647.9	1650.9	1650.2	1644.1	1600.6	1544.2
20°	1804.9	1808.7	1801.1	1785.8	1759.1	1733.2	1731.7	1735.5	1727.9	1684.5	1605.9
22.5°	1910.8	1907.8	1900.2	1880.3	1860.5	1833.1	1823.9	1820.9	1817.8	1768.3	1669.2
25°	2011.4	2020.6	2010.7	1992.4	1961.9	1932.2	1924.5	1927.6	1919.2	1853.7	1737.0
27.5°	2138.7	2142.5	2136.4	2111.3	2085.4	2043.4	2029.0	2029.0	2025.9	1933.7	1790.4
30°	2274.4	2285.1	2274.4	2253.8	2227.1	2166.9	2135.7	2132.6	2123.5	2016.0	1852.9
32.5°	2410.8	2418.4	2410.8	2391.0	2360.5	2307.9	2263.0	2256.1	2243.9	2105.9	1916.9
35°	2532.0	2538.9	2537.3	2541.9	2516.8	2450.5	2423.0	2420.0	2388.0	2223.3	2003.8
37.5°	2664.6	2673.0	2661.6	2670.7	2660.8	2598.3	2589.9	2574.7	2529.0	2333.8	2095.3
40°	2815.5	2823.2	2804.9	2808.7	2797.3	2762.2	2719.5	2698.9	2631.1	2453.5	2239.3
42.5°	2977.1	2994.7	3003.0	2996.2	2969.5	2949.7	2875.0	2849.1	2792.7	2669.2	2476.4
45°	3211.1	3237.0	3249.2	3231.7	3220.3	3192.1	3100.6	3069.4	3039.6	2973.3	2807.2
47.5°	3463.4	3487.0	3525.9	3533.5	3542.7	3521.3	3392.5	3362.0	3367.4	3359.8	3214.2
50°	3664.6	3684.4	3772.1	3865.9	3943.6	3949.7	3785.1	3752.3	3781.2	3805.6	3704.3
52.5°	3811.0	3828.5	3944.4	4138.0	4314.0	4444.4	4266.8	4229.4	4253.0	4307.9	4261.4
55°	3929.9	3954.3	4075.5	4372.7	4728.7	4934.4	4820.9	4773.6	4763.7	4831.6	4858.2
57.5°	3992.4	4000.0	4170.0	4556.4	5032.8	5415.4	5464.9	5411.6	5317.1	5354.4	5493.1
60°	3849.8	3862.8	4095.3	4603.7	5272.9	5892.5	6141.0	6096.8	5895.6	5916.2	6069.4
62.5°	3455.8	3474.1	3753.8	4378.8	5292.7	6211.1	6765.2	6737.0	6467.2	6355.9	6401.7
65°	2772.1	2778.2	3067.8	3822.4	4898.6	6250.8	7200.5	7193.6	6866.6	6605.9	6410.1
67.5°	1580.8	1570.1	1957.3	2726.4	4042.7	5735.5	7228.7	7269.1	6996.2	6564.8	5876.5
70°	685.2	686.7	865.1	1345.3	2616.6	4635.7	6714.2	6783.5	6621.2	5879.6	4675.3
72.5°	317.1	321.6	398.6	582.3	1117.4	2875.8	5474.8	5537.3	5397.9	4705.8	3401.7
75°	224.1	227.9	266.0	333.8	513.7	1120.4	3662.3	3793.4	3861.3	3519.8	2241.6
77.5°	170.0	175.3	194.4	231.7	317.1	397.1	1752.3	2064.8	2459.6	2189.8	1154.7
80°	108.2	108.2	128.8	154.7	193.6	206.6	506.1	599.8	1203.5	902.4	453.5
82.5°	73.2	75.5	87.7	98.3	111.3	117.4	217.2	231.7	347.6	307.2	186.7
85°	38.9	40.4	45.7	45.0	53.4	46.5	91.5	90.7	127.3	139.5	70.9
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	9.9	10.7	26.7	42.7	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632724
 CATALOG NUMBER: GWS-SA2D-730-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0
2.5°	1288.1	1279.0	1283.5	1282.0	1286.6	1286.6	1278.2	1275.9	1276.7	1267.5	1264.5
5°	1299.5	1288.9	1291.2	1288.1	1292.7	1296.5	1292.7	1292.7	1297.3	1290.4	1286.6
7.5°	1325.5	1313.3	1313.3	1309.5	1314.8	1317.8	1314.8	1319.4	1327.7	1320.9	1317.1
10°	1366.6	1352.1	1352.9	1348.3	1350.6	1349.1	1336.9	1333.1	1335.4	1329.3	1326.2
12.5°	1420.0	1400.2	1400.2	1391.0	1385.7	1369.7	1344.5	1335.4	1336.9	1331.6	1329.3
15°	1471.0	1452.7	1448.9	1430.6	1406.2	1376.5	1353.7	1347.6	1349.1	1343.7	1339.9
17.5°	1531.2	1507.6	1493.9	1460.4	1415.4	1384.9	1362.0	1347.6	1335.4	1323.2	1320.1
20°	1586.9	1557.2	1532.0	1480.2	1425.3	1383.4	1340.7	1304.9	1275.2	1259.1	1255.3
22.5°	1644.1	1605.9	1561.7	1493.9	1424.5	1355.9	1277.4	1223.3	1179.1	1155.5	1160.1
25°	1698.2	1650.2	1589.9	1506.9	1400.2	1295.0	1188.3	1107.5	1057.2	1038.9	1033.5
27.5°	1743.1	1683.7	1615.9	1500.8	1349.8	1207.3	1066.3	976.4	927.6	907.0	901.7
30°	1793.4	1726.4	1653.2	1472.6	1270.6	1084.6	928.4	855.2	820.1	800.3	801.1
32.5°	1851.4	1781.2	1705.8	1418.4	1169.2	952.0	814.8	764.5	736.3	716.5	713.4
35°	1929.1	1859.8	1740.9	1336.9	1040.4	830.0	737.0	695.9	660.8	634.9	629.6
37.5°	2025.2	1977.9	1744.7	1227.9	902.4	746.2	681.4	637.2	594.5	560.2	556.4
40°	2189.8	2135.7	1713.4	1091.5	785.1	692.1	634.9	583.8	534.3	496.2	490.9
42.5°	2424.5	2313.3	1646.3	937.5	696.6	649.4	590.7	525.9	475.6	448.9	445.1
45°	2723.3	2511.4	1545.7	792.7	631.1	607.5	544.2	476.4	449.7	430.6	426.8
47.5°	3089.2	2742.4	1429.9	679.9	580.0	569.4	497.0	459.6	436.0	420.0	416.2
50°	3526.7	3036.6	1334.6	591.5	534.3	525.2	481.7	449.7	430.6	417.7	414.6
52.5°	4025.9	3363.6	1288.1	528.2	494.7	485.5	476.4	447.4	431.4	421.5	417.7
55°	4544.2	3708.1	1244.7	479.4	461.1	466.5	477.1	455.0	442.8	429.9	426.1
57.5°	5045.0	4031.2	1138.0	441.3	436.7	457.3	480.9	462.7	448.2	435.2	430.6
60°	5390.2	4208.1	957.3	410.8	418.4	445.9	471.0	451.2	432.9	427.6	425.3
62.5°	5483.2	4186.7	743.1	379.6	396.3	420.7	445.1	432.2	413.1	421.5	422.3
65°	5266.0	3958.1	557.9	349.1	367.4	388.0	418.4	413.1	406.2	429.1	429.9
67.5°	4650.9	3396.3	425.3	322.4	337.7	362.8	410.1	432.2	433.7	462.7	459.6
70°	3519.1	2537.3	333.1	297.3	314.8	362.8	436.7	446.6	428.4	455.0	448.9
72.5°	2432.9	1674.5	283.5	275.2	286.6	346.0	436.0	436.0	416.2	416.2	404.7
75°	1511.4	984.8	247.0	247.0	247.0	302.6	423.8	401.7	366.6	350.6	341.5
77.5°	746.2	478.7	207.3	214.9	206.6	253.0	346.0	328.5	307.2	290.4	284.3
80°	318.6	239.3	167.7	176.1	166.2	190.5	274.4	270.6	250.0	227.9	221.0
82.5°	146.3	123.5	134.1	138.0	121.2	143.3	200.5	200.5	189.0	158.5	147.1
85°	62.5	65.5	93.0	93.0	76.2	80.8	107.5	102.1	91.5	74.7	68.6
87.5°	21.3	32.0	47.3	41.2	16.0	6.9	3.8	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)