

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: P631404

Luminaire Tested: GWS-SA1F-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631404
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-SA1F-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8623.8 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

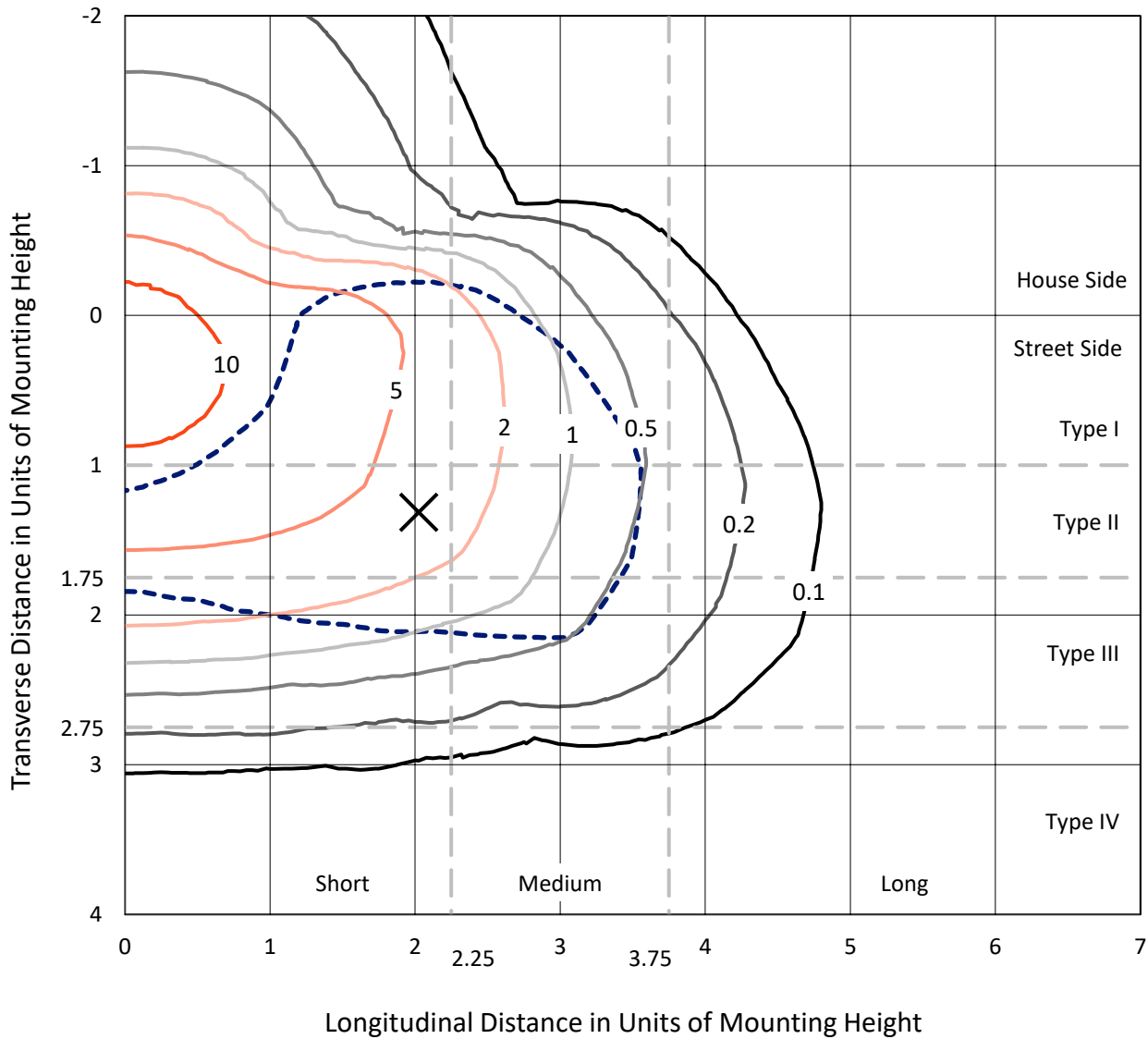
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

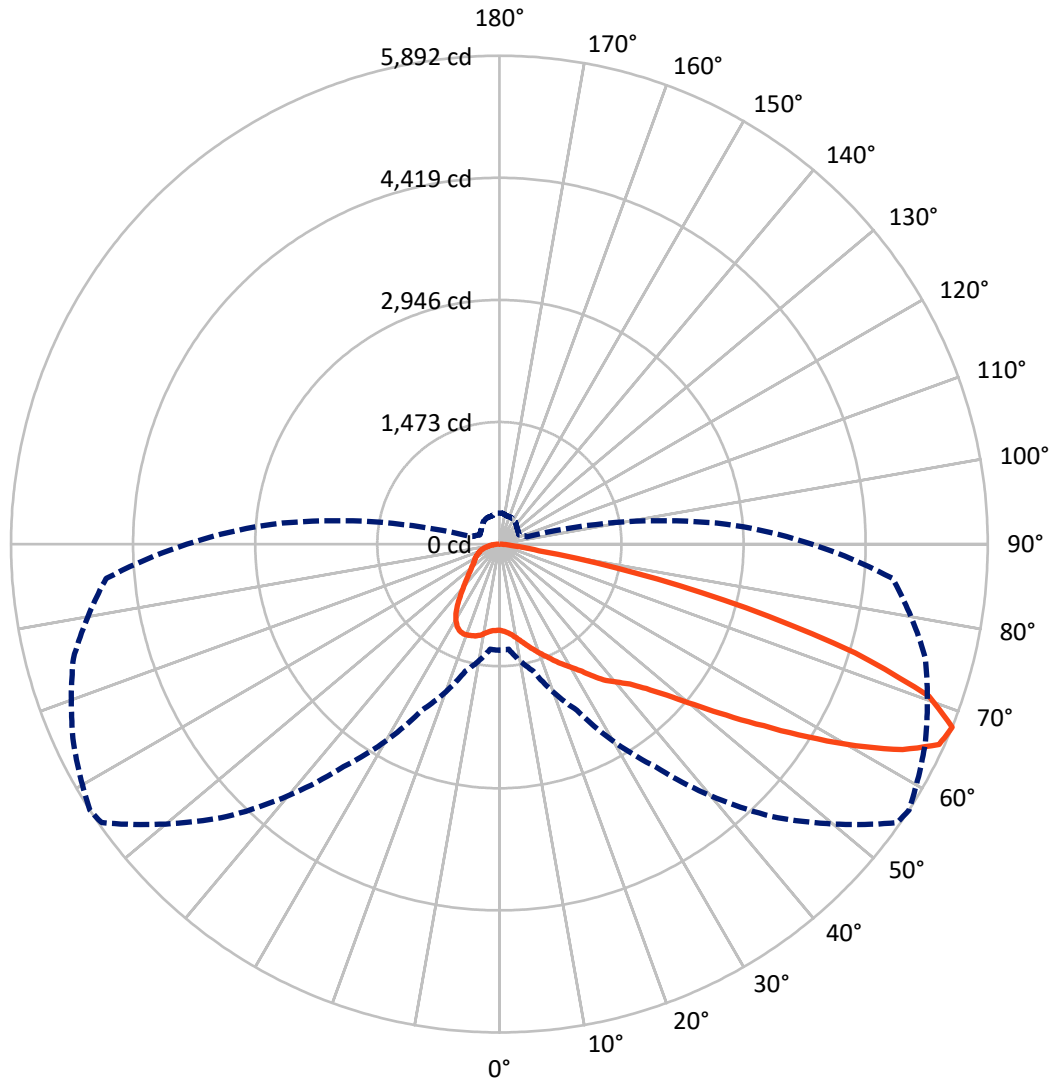
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 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
House Side	Lumens	1896.1	0.0	1896.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6727.8	0.0	6727.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	8623.8	0.0	8623.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.2
10°-20°	341.2	4.0
20°-30°	608.3	7.1
30°-40°	884.3	10.3
40°-50°	1279.9	14.8
50°-60°	2003.0	23.2
60°-70°	2336.6	27.1
70°-80°	975.4	11.3
80°-90°	92.0	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°	8623.8	100.0
0°-180°	8623.8	100.0

Coefficient of Utilization



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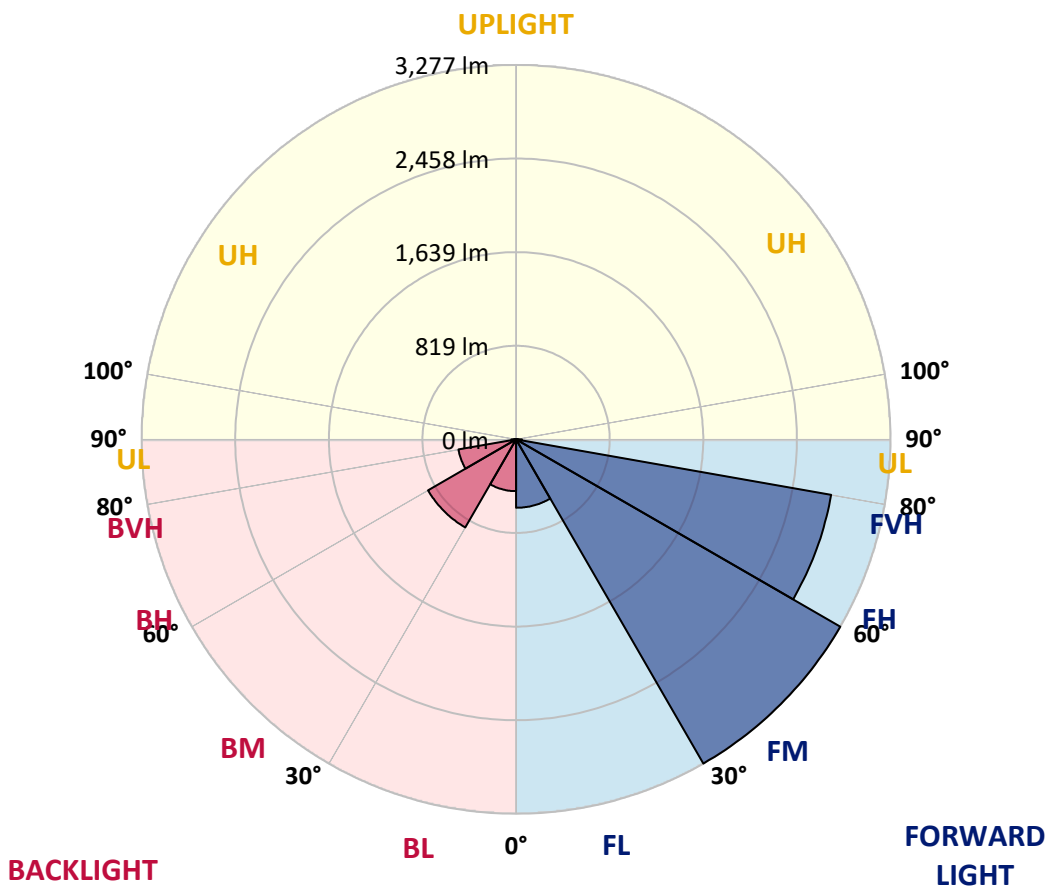
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.0	6.9			
FM (30°-60°)	3277.2	38.0			
FH (60°-80°)	2800.3	32.5			G2/5000
FVH (80°-90°)	51.3	0.6			G1/100
BL (0°-30°)	453.5	5.3	B1/500		
BM (30°-60°)	890.1	10.3	B1/1000		
BH (60°-80°)	511.8	5.9	B2/1000		G2/1000
BVH (80°-90°)	40.8	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°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1053.9	1052.7	1052.1	1055.8	1054.6	1053.9	1053.9	1053.3	1052.1	1047.1	1040.3
5°	1083.0	1080.5	1078.0	1081.1	1078.6	1076.2	1075.6	1074.3	1070.0	1062.6	1052.1
7.5°	1113.2	1110.8	1111.4	1113.2	1111.4	1110.2	1108.3	1107.1	1100.3	1088.5	1074.3
10°	1155.9	1155.9	1157.1	1159.0	1159.6	1157.7	1154.0	1152.2	1144.1	1129.3	1109.5
12.5°	1217.6	1216.4	1216.4	1215.2	1217.0	1215.2	1211.5	1208.4	1198.5	1179.3	1150.9
15°	1299.2	1294.3	1289.9	1281.9	1279.4	1272.6	1273.9	1272.0	1262.7	1236.8	1201.0
17.5°	1386.3	1385.7	1378.9	1362.8	1346.8	1335.6	1338.1	1337.5	1332.6	1297.3	1251.6
20°	1462.9	1466.0	1459.8	1447.5	1425.8	1404.8	1403.6	1406.7	1400.5	1365.3	1301.7
22.5°	1548.8	1546.3	1540.1	1524.1	1508.0	1485.8	1478.4	1475.9	1473.4	1433.3	1352.9
25°	1630.3	1637.7	1629.7	1614.9	1590.2	1566.1	1559.9	1562.4	1555.6	1502.4	1407.9
27.5°	1733.5	1736.6	1731.6	1711.3	1690.3	1656.3	1644.5	1644.5	1642.1	1567.3	1451.2
30°	1843.5	1852.1	1843.5	1826.8	1805.2	1756.4	1731.0	1728.6	1721.1	1634.0	1501.8
32.5°	1954.0	1960.2	1954.0	1938.0	1913.3	1870.6	1834.2	1828.6	1818.7	1706.9	1553.7
35°	2052.3	2057.8	2056.6	2060.3	2039.9	1986.2	1963.9	1961.5	1935.5	1802.1	1624.1
37.5°	2159.8	2166.6	2157.3	2164.7	2156.7	2106.0	2099.2	2086.9	2049.8	1891.6	1698.3
40°	2282.1	2288.3	2273.4	2276.5	2267.3	2238.8	2204.2	2187.6	2132.6	1988.6	1815.0
42.5°	2413.1	2427.3	2434.1	2428.5	2406.9	2390.8	2330.3	2309.3	2263.6	2163.5	2007.2
45°	2602.7	2623.7	2633.6	2619.4	2610.1	2587.3	2513.1	2487.8	2463.7	2410.0	2275.3
47.5°	2807.2	2826.4	2857.9	2864.0	2871.5	2854.2	2749.7	2725.0	2729.4	2723.2	2605.2
50°	2970.3	2986.4	3057.4	3133.4	3196.4	3201.3	3067.9	3041.3	3064.8	3084.6	3002.4
52.5°	3088.9	3103.1	3197.0	3353.9	3496.6	3602.3	3458.3	3428.1	3447.2	3491.7	3454.0
55°	3185.3	3205.1	3303.3	3544.2	3832.7	3999.5	3907.5	3869.2	3861.1	3916.1	3937.7
57.5°	3235.9	3242.1	3379.9	3693.1	4079.2	4389.3	4429.5	4386.3	4309.6	4339.9	4452.4
60°	3120.4	3130.9	3319.3	3731.4	4273.8	4776.1	4977.5	4941.6	4778.5	4795.2	4919.4
62.5°	2801.0	2815.8	3042.6	3549.2	4289.9	5034.3	5483.4	5460.6	5241.9	5151.7	5188.8
65°	2246.9	2251.8	2486.6	3098.2	3970.5	5066.4	5836.2	5830.6	5565.6	5354.3	5195.5
67.5°	1281.3	1272.6	1586.5	2209.8	3276.7	4648.8	5859.0	5891.8	5670.6	5321.0	4763.1
70°	555.4	556.6	701.2	1090.4	2120.8	3757.3	5442.0	5498.3	5366.7	4765.6	3789.5
72.5°	257.0	260.7	323.1	472.0	905.7	2330.9	4437.5	4488.2	4375.1	3814.2	2757.2
75°	181.6	184.7	215.6	270.6	416.4	908.1	2968.4	3074.7	3129.7	2852.9	1816.9
77.5°	137.8	142.1	157.5	187.8	257.0	321.9	1420.3	1673.6	1993.6	1774.9	935.9
80°	87.7	87.7	104.4	125.4	156.9	167.4	410.2	486.2	975.5	731.5	367.6
82.5°	59.3	61.2	71.0	79.7	90.2	95.1	176.1	187.8	281.7	249.0	151.4
85°	31.5	32.7	37.1	36.4	43.2	37.7	74.1	73.5	103.2	113.1	57.5
87.5°	0.0	0.0	0.6	0.6	1.2	1.9	8.0	8.6	21.6	34.6	19.2
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°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1044.1	1036.6	1040.3	1039.1	1042.8	1042.8	1036.0	1034.2	1034.8	1027.4	1024.9
5°	1053.3	1044.7	1046.5	1044.1	1047.8	1050.8	1047.8	1047.8	1051.5	1045.9	1042.8
7.5°	1074.3	1064.4	1064.4	1061.3	1065.7	1068.1	1065.7	1069.4	1076.2	1070.6	1067.5
10°	1107.7	1095.9	1096.6	1092.9	1094.7	1093.5	1083.6	1080.5	1082.4	1077.4	1074.9
12.5°	1150.9	1134.9	1134.9	1127.5	1123.1	1110.2	1089.8	1082.4	1083.6	1079.3	1077.4
15°	1192.3	1177.5	1174.4	1159.6	1139.8	1115.7	1097.2	1092.2	1093.5	1089.1	1086.1
17.5°	1241.1	1222.0	1210.9	1183.7	1147.2	1122.5	1104.0	1092.2	1082.4	1072.5	1070.0
20°	1286.2	1262.1	1241.7	1199.7	1155.3	1121.3	1086.7	1057.6	1033.5	1020.6	1017.5
22.5°	1332.6	1301.7	1265.8	1210.9	1154.6	1099.0	1035.4	991.5	955.7	936.6	940.3
25°	1376.4	1337.5	1288.7	1221.4	1134.9	1049.6	963.1	897.6	856.9	842.0	837.7
27.5°	1412.9	1364.7	1309.7	1216.4	1094.1	978.6	864.3	791.4	751.8	735.2	730.8
30°	1453.6	1399.3	1340.0	1193.6	1029.8	879.1	752.5	693.2	664.7	648.7	649.3
32.5°	1500.6	1443.8	1382.6	1149.7	947.7	771.6	660.4	619.6	596.8	580.7	578.2
35°	1563.6	1507.4	1411.0	1083.6	843.3	672.8	597.4	564.0	535.6	514.6	510.3
37.5°	1641.4	1603.1	1414.1	995.2	731.5	604.8	552.3	516.5	481.9	454.1	451.0
40°	1774.9	1731.0	1388.8	884.7	636.3	560.9	514.6	473.2	433.1	402.2	397.9
42.5°	1965.2	1875.0	1334.4	759.9	564.7	526.4	478.8	426.3	385.5	363.9	360.8
45°	2207.3	2035.6	1252.9	642.5	511.5	492.4	441.1	386.1	364.5	349.0	346.0
47.5°	2503.9	2222.8	1159.0	551.1	470.1	461.5	402.8	372.5	353.4	340.4	337.3
50°	2858.5	2461.2	1081.7	479.4	433.1	425.7	390.4	364.5	349.0	338.5	336.1
52.5°	3263.1	2726.3	1044.1	428.1	400.9	393.5	386.1	362.6	349.7	341.6	338.5
55°	3683.2	3005.5	1008.8	388.6	373.8	378.1	386.7	368.8	358.9	348.4	345.3
57.5°	4089.1	3267.4	922.3	357.7	354.0	370.7	389.8	375.0	363.3	352.8	349.0
60°	4369.0	3410.8	775.9	333.0	339.2	361.4	381.8	365.7	350.9	346.6	344.7
62.5°	4444.3	3393.5	602.3	307.7	321.2	341.0	360.8	350.3	334.8	341.6	342.3
65°	4268.3	3208.1	452.2	282.9	297.8	314.5	339.2	334.8	329.3	347.8	348.4
67.5°	3769.7	2752.8	344.7	261.3	273.7	294.1	332.4	350.3	351.5	375.0	372.5
70°	2852.3	2056.6	270.0	240.9	255.1	294.1	354.0	362.0	347.2	368.8	363.9
72.5°	1972.0	1357.3	229.8	223.0	232.3	280.5	353.4	353.4	337.3	337.3	328.0
75°	1225.1	798.2	200.2	200.2	200.2	245.3	343.5	325.6	297.2	284.2	276.8
77.5°	604.8	388.0	168.0	174.2	167.4	205.1	280.5	266.3	249.0	235.4	230.4
80°	258.2	194.0	135.9	142.7	134.7	154.4	222.4	219.3	202.6	184.7	179.2
82.5°	118.6	100.1	108.7	111.8	98.2	116.1	162.5	162.5	153.2	128.5	119.2
85°	50.7	53.1	75.4	75.4	61.8	65.5	87.1	82.8	74.1	60.5	55.6
87.5°	17.3	25.9	38.3	33.4	13.0	5.6	3.1	1.2	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)