

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: P630281

Luminaire Tested: GWS-SA1D-735-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-735-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

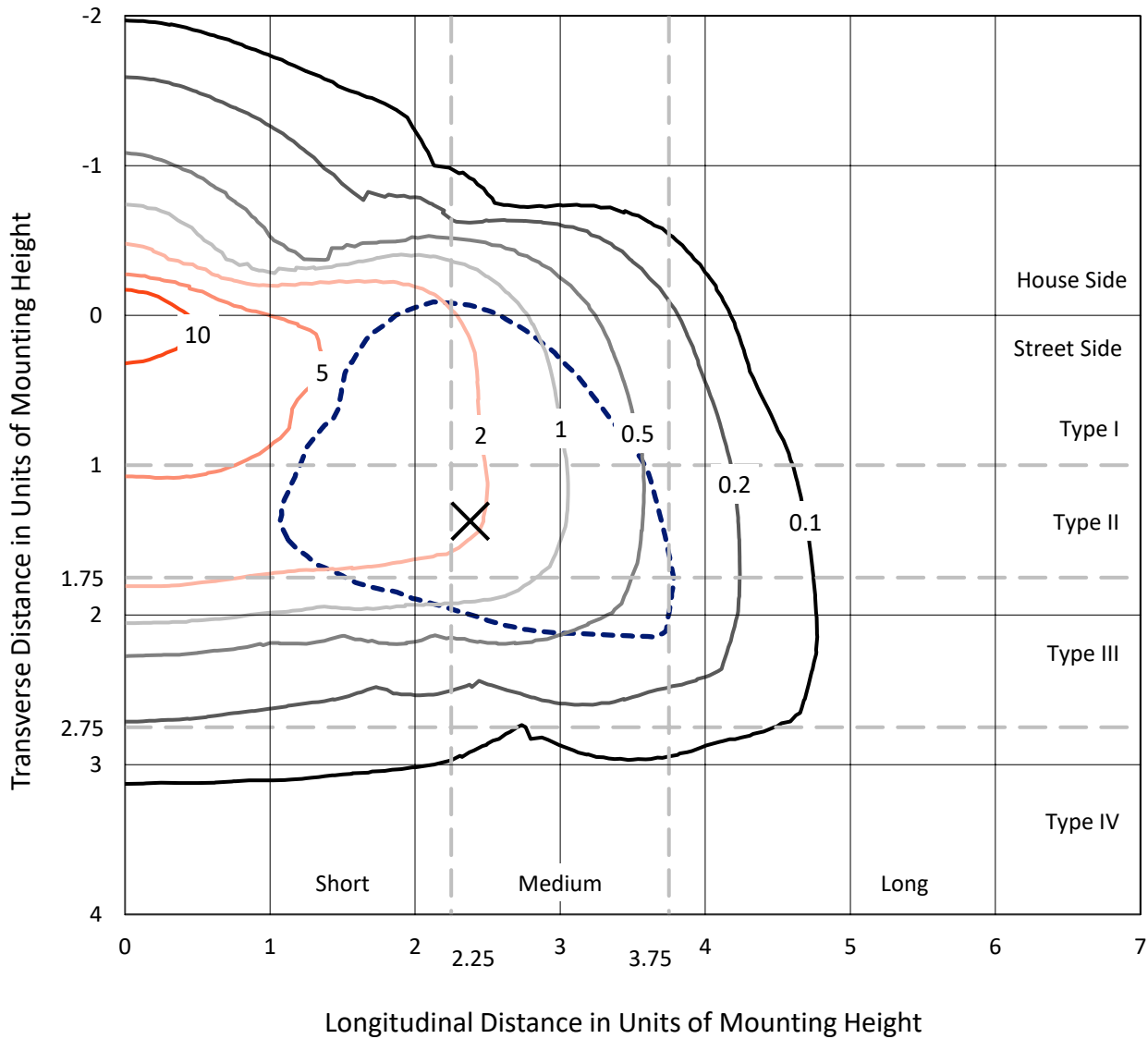
Lumens per Lamp: N/A  
Luminaire Lumens: 5860 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

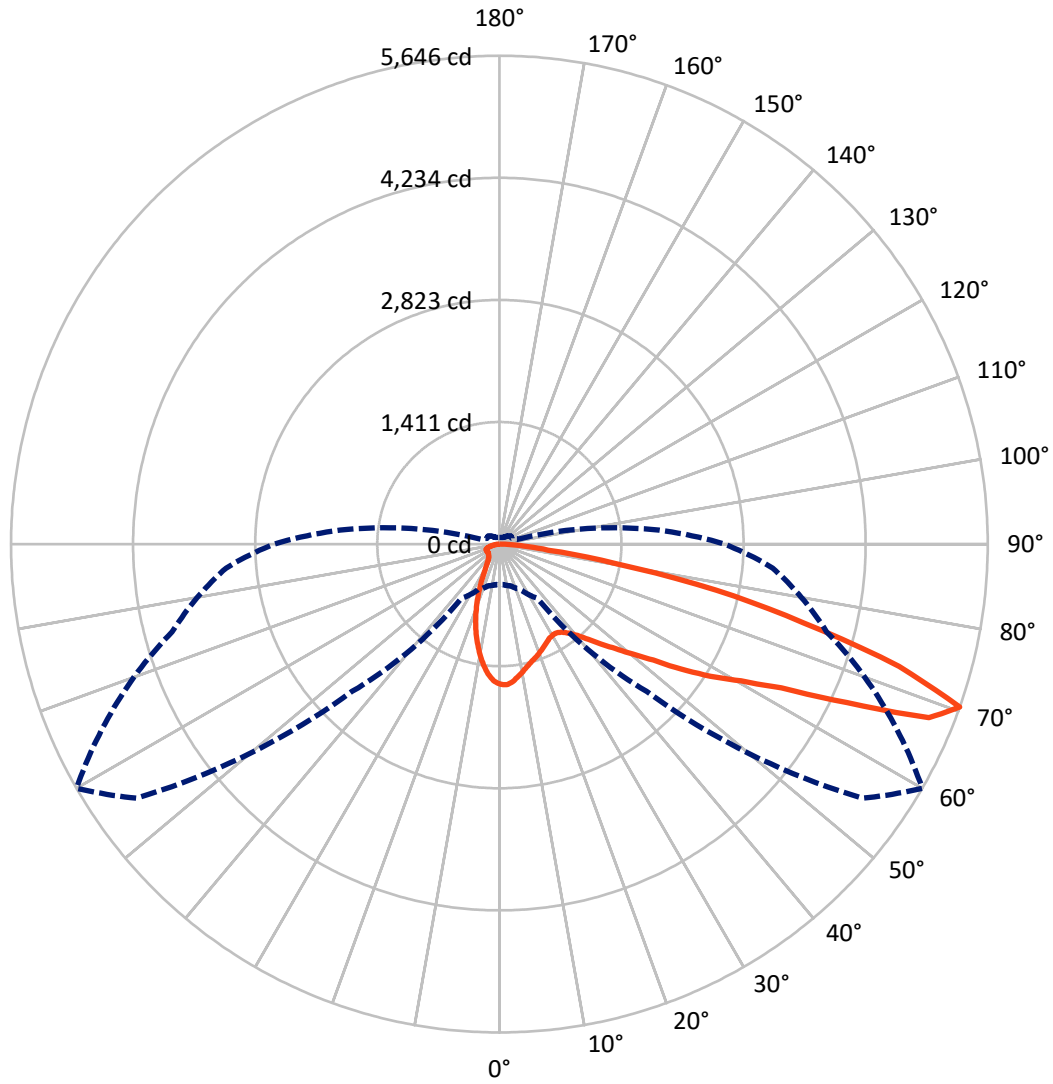
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1002.2	0.0	1002.2
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	4857.8	0.0	4857.8
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	5860.0	0.0	5860.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.8	2.4
10°-20°	313.1	5.3
20°-30°	401.0	6.8
30°-40°	527.0	9.0
40°-50°	764.6	13.0
50°-60°	1193.0	20.4
60°-70°	1561.9	26.7
70°-80°	863.7	14.7
80°-90°	95.8	1.6
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°	5860.0	100.0
0°-180°	5860.0	100.0

**Coefficient of Utilization**



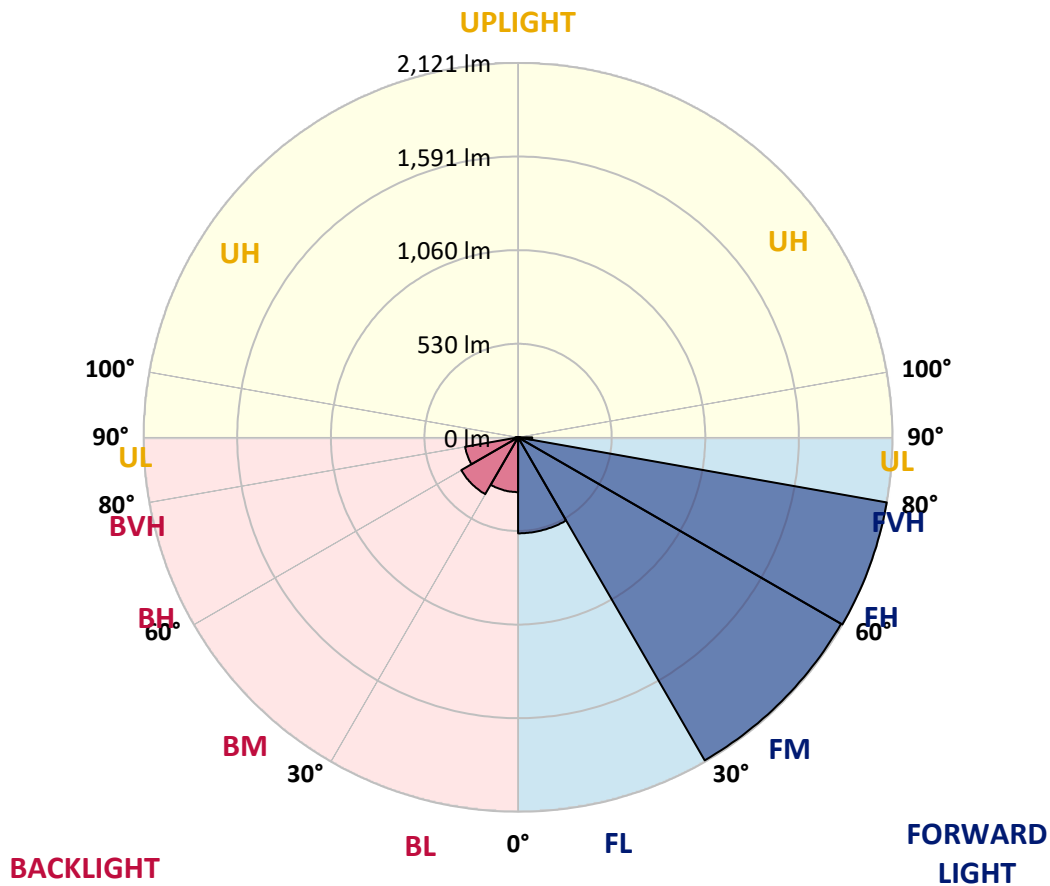
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.8	9.3			
FM (30°-60°)	2113.1	36.1			
FH (60°-80°)	2121.0	36.2			G2/5000
FVH (80°-90°)	79.9	1.4			G1/100
BL (0°-30°)	310.1	5.3	B1/500		
BM (30°-60°)	371.6	6.3	B1/1000		
BH (60°-80°)	304.6	5.2	B1/500		G1/500
BVH (80°-90°)	16.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5
2.5°	1598.8	1600.5	1605.2	1612.1	1619.0	1622.4	1631.0	1628.4	1626.7	1623.3	1619.0
5°	1528.1	1531.5	1535.8	1549.1	1564.1	1576.1	1595.4	1597.5	1598.4	1600.1	1593.2
7.5°	1438.0	1438.9	1449.2	1466.8	1486.5	1507.1	1539.2	1548.2	1555.9	1564.5	1558.9
10°	1338.6	1340.7	1348.4	1373.7	1407.6	1438.0	1481.3	1496.3	1512.6	1531.5	1523.8
12.5°	1257.1	1257.5	1270.0	1297.0	1333.8	1375.0	1429.0	1447.0	1468.5	1498.1	1491.2
15°	1192.4	1192.4	1203.9	1227.1	1269.5	1318.0	1382.3	1405.4	1434.6	1474.5	1462.5
17.5°	1140.9	1141.3	1148.6	1173.1	1210.8	1264.4	1340.7	1372.0	1404.2	1456.9	1438.9
20°	1113.9	1111.8	1113.0	1128.0	1160.2	1212.1	1299.1	1335.6	1378.9	1444.9	1417.5
22.5°	1112.6	1108.8	1103.2	1104.5	1123.3	1166.2	1254.5	1298.7	1353.1	1435.0	1395.6
25°	1134.5	1130.2	1120.3	1109.2	1107.5	1133.2	1212.5	1262.7	1326.6	1430.7	1374.6
27.5°	1171.3	1168.3	1155.5	1138.8	1121.2	1120.3	1180.8	1233.1	1307.3	1435.0	1359.6
30°	1220.2	1215.1	1206.9	1185.5	1158.9	1131.5	1168.3	1217.2	1294.4	1448.8	1353.1
32.5°	1275.5	1272.5	1264.8	1243.4	1215.1	1171.3	1178.2	1220.7	1294.4	1472.8	1354.4
35°	1334.3	1333.8	1333.8	1319.7	1288.4	1233.9	1217.2	1249.8	1314.1	1511.3	1368.1
37.5°	1391.3	1390.9	1404.6	1409.7	1374.1	1315.4	1283.7	1308.1	1357.4	1568.4	1402.0
40°	1437.6	1439.3	1469.3	1495.1	1475.3	1420.9	1376.3	1388.7	1427.7	1649.4	1461.2
42.5°	1484.3	1489.1	1534.1	1579.5	1587.2	1540.1	1495.1	1502.3	1528.5	1756.6	1549.5
45°	1535.4	1537.5	1600.5	1664.0	1701.3	1673.4	1636.5	1646.4	1652.4	1889.1	1681.1
47.5°	1584.7	1590.2	1671.7	1758.7	1829.5	1826.9	1806.3	1803.3	1804.6	2050.3	1836.8
50°	1652.0	1660.1	1755.7	1860.8	1964.5	2012.1	2018.1	1995.4	1986.0	2229.5	2030.6
52.5°	1779.7	1779.7	1865.5	1968.8	2108.2	2226.1	2266.4	2229.1	2199.1	2419.0	2236.4
55°	1939.7	1946.5	2014.7	2098.3	2275.0	2451.2	2587.5	2546.4	2461.5	2625.2	2452.0
57.5°	2010.8	2019.4	2127.5	2257.4	2493.2	2707.1	2896.2	2881.6	2757.7	2839.6	2675.8
60°	1882.2	1900.2	2049.0	2266.8	2690.8	3120.0	3253.4	3210.9	3033.8	3064.7	2918.5
62.5°	1570.1	1589.8	1754.9	2058.9	2663.4	3566.4	3816.3	3659.8	3378.6	3349.0	3241.8
65°	936.8	936.0	1134.5	1537.5	2325.1	3690.3	4707.3	4415.3	3911.1	3739.1	3574.5
67.5°	595.5	594.2	635.8	814.6	1547.4	3386.7	5280.1	5356.0	4634.4	4026.0	3601.9
70°	469.9	469.5	499.5	581.0	765.3	2410.0	5120.6	5645.8	5071.3	3916.6	3171.5
72.5°	342.6	343.4	389.7	486.6	590.4	1209.9	4146.5	4830.7	4664.4	3457.5	2574.7
75°	246.1	247.4	275.3	372.6	544.5	661.6	2757.3	3632.4	3548.8	2771.4	1771.2
77.5°	156.5	158.2	182.6	261.1	439.9	534.2	1671.7	2564.4	2361.1	1561.5	629.8
80°	95.6	101.2	121.8	194.7	351.6	400.9	835.6	1351.0	1182.5	428.3	211.8
82.5°	49.3	53.6	73.3	120.5	242.2	352.0	472.9	567.7	366.2	179.2	112.8
85°	15.4	18.0	25.7	48.9	115.3	218.2	313.0	282.1	168.1	84.5	52.3
87.5°	3.9	3.9	4.3	4.3	4.7	9.9	60.5	63.9	44.6	26.6	21.4
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°	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5	1621.5
2.5°	1610.4	1600.1	1595.8	1595.4	1584.7	1569.2	1558.9	1551.7	1547.4	1546.5	1546.5
5°	1581.7	1568.4	1550.8	1537.5	1508.8	1479.6	1455.2	1441.5	1425.6	1423.5	1423.0
7.5°	1543.5	1524.2	1490.8	1453.5	1403.3	1354.9	1313.7	1285.8	1258.0	1252.8	1251.1
10°	1502.3	1476.2	1419.2	1353.6	1278.5	1206.1	1143.1	1093.7	1061.2	1038.0	1033.7
12.5°	1461.6	1426.9	1343.3	1245.5	1142.6	1043.6	948.8	868.2	809.9	776.0	770.0
15°	1423.5	1375.0	1260.5	1135.8	1002.0	866.5	732.3	627.7	545.8	516.6	509.8
17.5°	1388.7	1328.3	1180.4	1022.1	855.4	678.3	525.6	432.6	384.6	370.0	366.6
20°	1354.0	1280.3	1098.9	902.5	699.7	501.2	384.2	340.4	322.4	316.8	315.1
22.5°	1316.7	1227.5	1010.1	784.6	542.4	375.2	314.3	295.0	289.4	289.8	289.4
25°	1279.4	1173.9	917.1	656.4	403.9	304.4	274.4	267.1	268.4	272.3	273.1
27.5°	1248.5	1126.3	825.8	515.8	315.6	262.0	247.8	247.4	252.1	257.3	258.1
30°	1226.2	1083.9	735.7	396.6	259.8	232.8	227.2	229.8	235.4	239.2	240.5
32.5°	1210.4	1047.4	639.7	311.7	227.7	212.2	209.7	212.2	215.7	219.5	220.4
35°	1204.8	1020.9	545.4	254.2	205.8	197.2	195.5	196.8	198.5	200.7	201.5
37.5°	1217.2	1007.6	446.8	221.2	192.5	187.4	184.8	183.9	184.4	185.2	185.6
40°	1254.1	1013.6	366.2	201.9	183.9	179.2	174.9	173.2	172.8	173.6	173.2
42.5°	1317.6	1038.9	307.8	190.8	177.1	170.2	165.5	163.8	163.8	165.9	165.9
45°	1410.6	1088.6	265.8	182.6	171.1	162.5	157.4	156.5	158.2	161.6	162.1
47.5°	1546.9	1161.5	240.5	176.6	165.5	155.6	150.5	150.1	153.5	159.1	159.5
50°	1708.6	1266.5	226.8	172.4	161.6	150.1	144.9	145.3	149.2	155.2	156.5
52.5°	1903.2	1409.7	227.7	170.6	159.5	146.6	141.5	140.6	144.5	150.5	151.8
55°	2104.3	1583.8	244.4	171.1	156.5	144.9	138.1	135.1	138.5	142.8	143.2
57.5°	2325.5	1780.2	286.0	170.2	152.6	143.2	135.1	128.2	130.3	132.9	134.2
60°	2575.1	2011.3	375.6	171.9	150.9	139.3	129.1	120.1	119.6	121.3	121.8
62.5°	2908.6	2325.5	476.3	174.9	154.8	134.6	120.1	110.6	108.9	109.8	110.2
65°	3163.8	2475.6	444.6	172.4	162.9	131.2	111.5	101.6	98.2	97.3	97.3
67.5°	3060.0	2277.1	309.6	165.5	166.8	131.6	104.6	92.2	87.9	85.8	85.3
70°	2603.8	1849.6	215.2	158.6	162.5	130.8	97.3	84.5	78.9	75.9	75.5
72.5°	2057.1	1412.3	174.1	144.9	147.5	117.9	86.6	75.9	71.2	67.3	67.3
75°	1324.0	861.8	145.3	129.1	120.5	91.8	75.0	67.7	63.0	59.2	59.2
77.5°	445.5	319.8	112.8	109.3	90.0	69.0	63.0	58.3	54.5	51.0	50.6
80°	180.9	151.8	82.7	82.7	63.0	52.7	49.3	47.2	44.6	40.3	40.3
82.5°	105.0	92.2	57.9	50.2	42.0	36.4	34.3	32.2	32.2	29.2	29.2
85°	50.6	51.0	34.7	30.9	24.0	21.0	20.2	18.9	18.4	16.7	16.3
87.5°	27.4	27.9	17.6	13.7	9.4	8.1	6.9	6.4	6.0	5.6	5.6
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)