

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: P632532

Luminaire Tested: GWS-SA2C-830-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7225 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

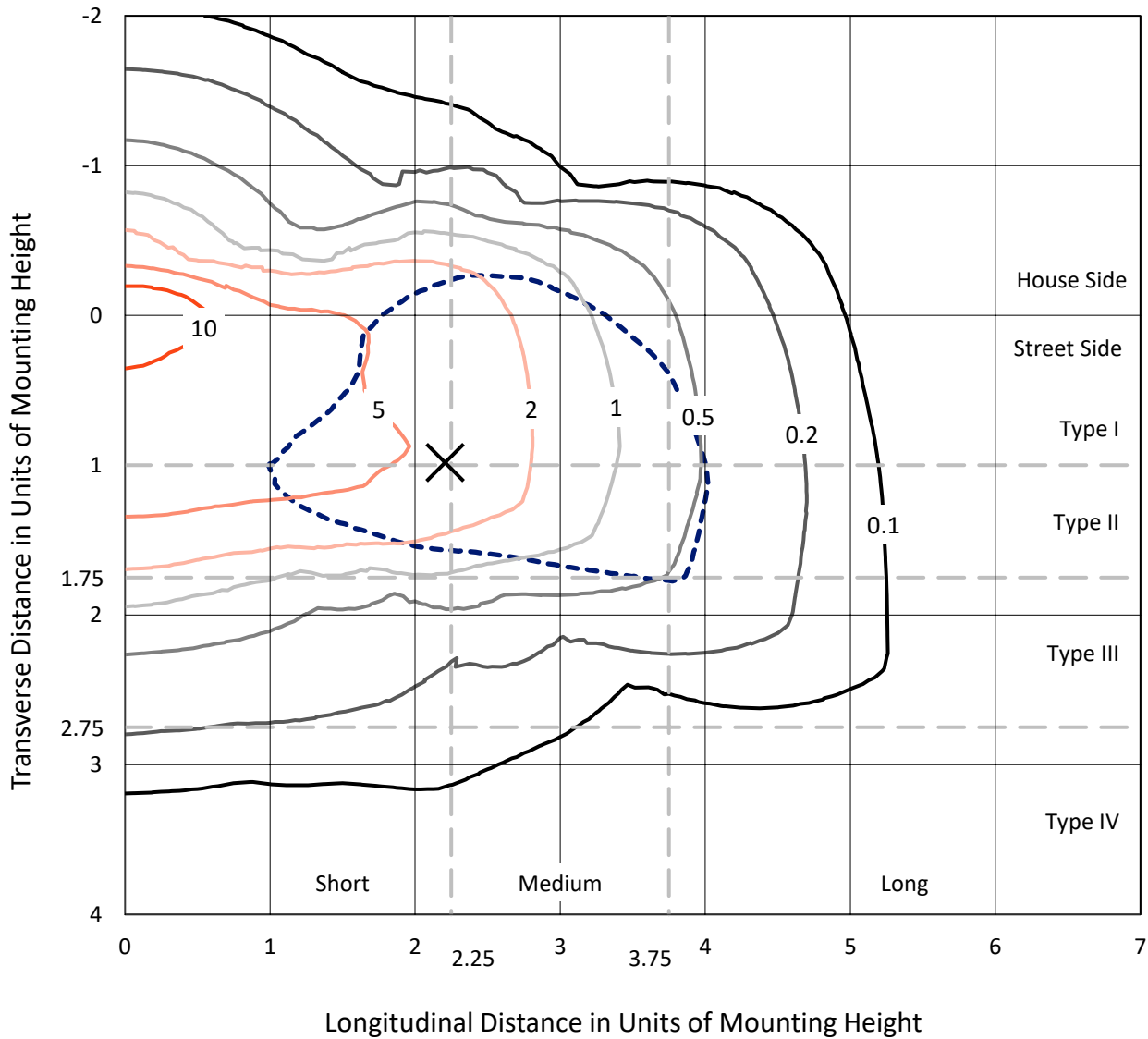
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

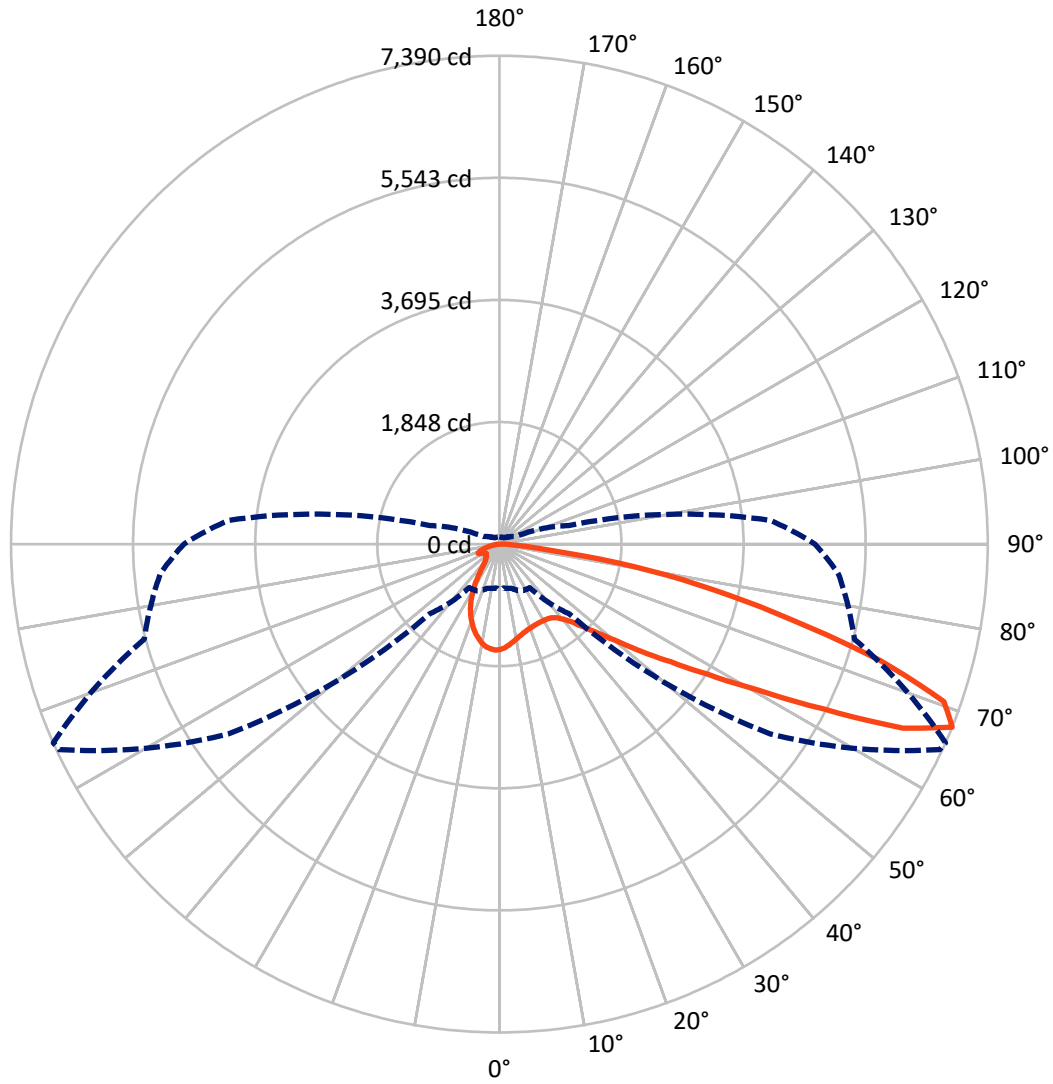
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1466.1	0.0	1466.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5758.9	0.0	5758.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	7225.0	0.0	7225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	1.9
10°-20°	344.3	4.8
20°-30°	473.3	6.6
30°-40°	647.1	9.0
40°-50°	980.5	13.6
50°-60°	1524.3	21.1
60°-70°	1855.8	25.7
70°-80°	1130.4	15.6
80°-90°	129.1	1.8
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°	7225.0	100.0
0°-180°	7225.0	100.0

Coefficient of Utilization



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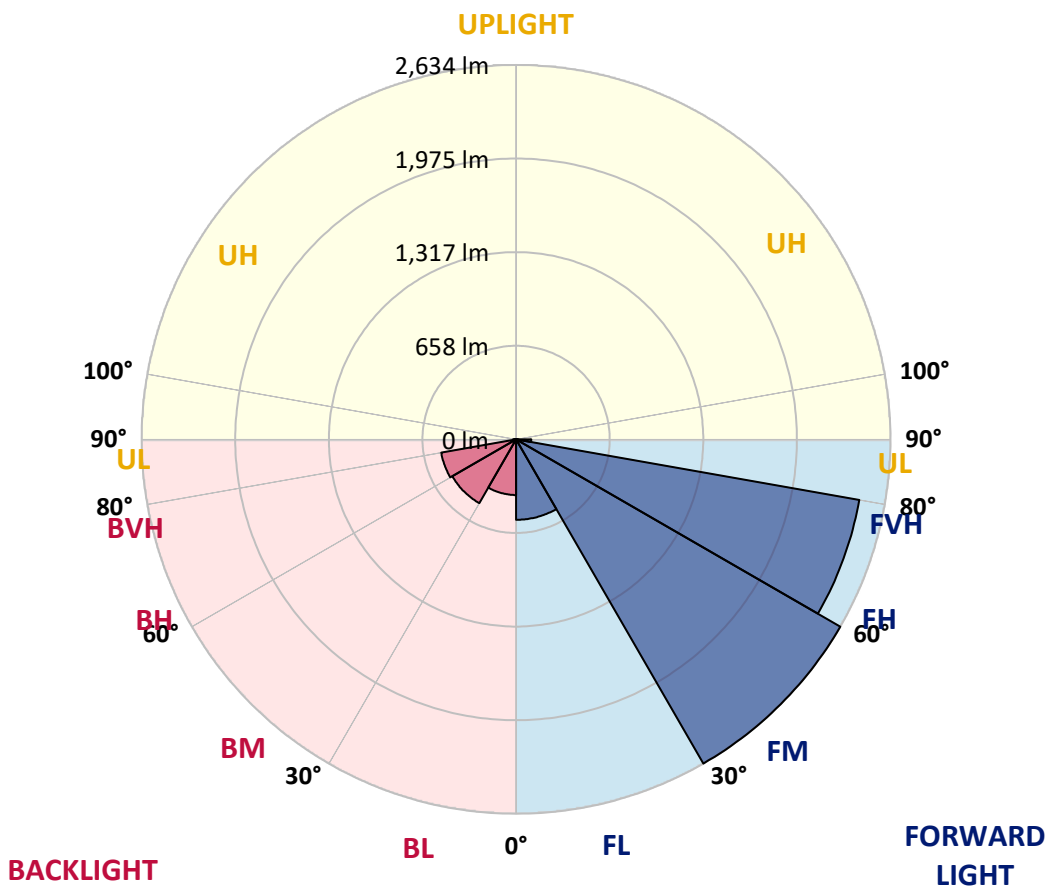
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	566.1	7.8			
FM (30°-60°)	2633.8	36.5			
FH (60°-80°)	2451.6	33.9			G2/5000
FVH (80°-90°)	107.4	1.5			G2/225
BL (0°-30°)	391.7	5.4	B1/500		
BM (30°-60°)	518.1	7.2	B1/1000		
BH (60°-80°)	534.6	7.4	B2/1000		G2/1000
BVH (80°-90°)	21.8	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5
2.5°	1495.3	1500.6	1497.4	1517.5	1518.5	1543.8	1558.0	1570.2	1571.2	1587.0	1597.6
5°	1393.1	1396.2	1396.2	1415.2	1427.9	1461.6	1494.3	1529.1	1531.7	1569.6	1598.6
7.5°	1310.3	1313.5	1311.4	1336.7	1353.0	1390.4	1432.1	1485.3	1490.6	1551.7	1602.3
10°	1245.5	1244.4	1249.7	1272.9	1294.0	1338.8	1385.2	1445.8	1453.7	1531.2	1606.5
12.5°	1201.2	1202.3	1205.4	1229.7	1252.3	1296.6	1344.6	1410.5	1418.9	1507.4	1604.4
15°	1180.1	1178.0	1180.7	1202.8	1224.4	1263.4	1313.0	1380.9	1389.4	1486.4	1605.0
17.5°	1175.4	1173.8	1173.3	1189.1	1205.4	1241.8	1289.2	1358.3	1367.2	1472.7	1608.1
20°	1190.1	1188.0	1182.2	1189.1	1195.9	1226.5	1272.4	1341.9	1352.0	1463.7	1614.4
22.5°	1230.7	1227.0	1218.1	1209.6	1200.7	1219.1	1261.8	1329.8	1339.8	1457.9	1620.8
25°	1292.4	1289.2	1279.7	1260.8	1228.1	1224.9	1259.7	1324.5	1334.6	1453.7	1623.4
27.5°	1377.3	1372.5	1363.0	1335.6	1282.4	1246.5	1267.6	1324.0	1333.5	1448.9	1620.8
30°	1477.9	1474.8	1469.5	1436.3	1365.1	1292.4	1285.5	1328.2	1335.6	1446.3	1615.5
32.5°	1580.2	1577.0	1581.2	1565.4	1477.9	1368.3	1324.5	1339.8	1345.1	1445.8	1610.8
35°	1670.3	1674.0	1704.6	1707.2	1621.3	1471.1	1386.2	1366.7	1367.8	1456.3	1612.9
37.5°	1764.7	1778.9	1818.9	1853.2	1781.5	1607.1	1477.9	1417.3	1416.3	1483.2	1626.0
40°	1889.6	1895.9	1947.0	2011.3	1966.5	1793.6	1608.1	1500.1	1492.7	1538.0	1661.4
42.5°	2011.3	2026.6	2108.3	2182.1	2167.3	2004.0	1772.0	1623.9	1610.8	1635.0	1734.1
45°	2166.3	2181.0	2272.8	2367.6	2394.5	2241.7	1981.8	1800.0	1786.8	1781.0	1867.4
47.5°	2321.3	2336.5	2418.8	2555.8	2650.1	2538.9	2254.8	2032.4	2010.8	1988.1	2068.8
50°	2425.6	2443.5	2522.1	2686.5	2907.9	2910.0	2578.5	2337.1	2309.7	2273.8	2352.4
52.5°	2421.9	2433.5	2508.4	2698.1	3093.4	3336.4	3011.7	2725.0	2702.9	2624.8	2693.4
55°	2231.6	2249.0	2324.4	2561.6	3113.5	3740.7	3648.4	3182.5	3143.0	3003.3	3078.7
57.5°	1849.5	1864.3	1940.2	2232.7	2935.8	3947.8	4457.0	3765.4	3711.2	3415.5	3502.4
60°	1396.2	1378.3	1414.2	1670.3	2511.0	3953.1	5170.6	4556.1	4465.4	3856.1	3928.8
62.5°	1047.8	1029.9	1037.8	1110.0	1702.5	3633.7	5577.5	5637.6	5487.9	4353.7	4339.4
65°	828.0	818.0	840.7	890.2	992.5	2767.2	5580.7	6807.2	6712.9	4930.3	4760.6
67.5°	674.7	668.3	691.5	783.2	804.8	1486.9	5004.1	7353.3	7390.2	5561.7	5151.1
70°	543.4	533.9	570.3	691.0	748.5	899.7	3584.7	7075.0	7134.5	5938.1	5041.0
72.5°	375.3	375.8	394.3	559.8	722.6	776.9	2027.7	5891.2	6020.3	5597.0	4431.7
75°	253.0	255.1	260.4	369.5	665.7	753.7	1080.5	4460.1	4551.3	4626.2	3663.2
77.5°	152.9	153.9	166.0	223.5	459.1	703.6	732.1	3233.1	3304.8	3049.7	2270.7
80°	88.5	92.2	103.3	149.7	309.9	528.7	566.6	1982.3	2063.5	1355.6	721.6
82.5°	39.0	41.6	56.4	87.0	180.8	449.6	442.2	783.2	771.6	377.9	250.4
85°	6.9	8.4	12.1	27.4	66.4	237.2	343.1	345.8	325.2	143.4	103.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	51.7	92.8	92.2	40.6	35.8
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°	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5
2.5°	1604.4	1590.2	1602.8	1604.4	1601.8	1599.7	1583.9	1570.2	1568.6	1553.8	1553.8
5°	1610.2	1597.0	1603.4	1591.2	1572.3	1552.8	1519.0	1495.8	1485.3	1466.3	1466.3
7.5°	1618.1	1604.4	1597.0	1567.0	1522.7	1480.0	1425.7	1380.4	1362.0	1335.1	1334.0
10°	1625.5	1608.1	1582.8	1524.3	1453.7	1385.7	1306.6	1242.3	1198.6	1166.4	1166.4
12.5°	1625.0	1602.3	1552.2	1465.8	1368.3	1269.7	1164.3	1067.3	1009.4	959.3	956.1
15°	1623.9	1592.8	1513.2	1397.8	1268.7	1132.2	988.8	862.3	776.4	727.4	723.2
17.5°	1622.9	1580.7	1469.5	1320.3	1147.4	961.4	772.2	635.1	563.4	533.4	534.5
20°	1622.9	1567.0	1422.6	1231.3	1007.8	756.9	566.6	467.0	449.1	450.7	452.2
22.5°	1618.1	1550.1	1370.4	1134.3	852.3	556.6	418.0	384.2	393.7	408.5	410.6
25°	1607.1	1522.2	1309.8	1026.7	667.3	405.3	341.0	334.7	352.1	370.5	375.8
27.5°	1589.7	1490.1	1241.8	900.8	491.2	325.7	299.9	299.4	313.1	326.8	331.5
30°	1571.2	1454.2	1170.1	760.6	355.8	283.6	273.6	273.6	280.4	288.8	287.8
32.5°	1549.6	1417.8	1093.2	614.6	289.9	259.8	256.7	255.1	256.2	259.3	259.3
35°	1531.2	1385.7	1014.1	460.1	259.8	246.7	243.5	239.8	238.2	236.1	237.2
37.5°	1524.3	1360.4	932.4	346.8	245.1	237.2	231.9	226.6	223.0	221.9	221.4
40°	1535.4	1349.8	850.7	285.7	234.5	227.2	221.4	214.5	211.4	211.4	211.4
42.5°	1578.6	1357.8	767.4	258.3	227.2	218.7	210.3	204.0	202.9	204.0	204.5
45°	1657.7	1388.3	681.0	244.6	220.8	210.3	200.3	195.5	195.5	196.6	196.6
47.5°	1798.9	1468.4	595.6	236.1	214.5	203.5	192.9	188.2	187.6	188.7	188.7
50°	2043.5	1612.9	518.6	230.3	209.8	198.2	187.6	181.3	179.7	179.2	179.2
52.5°	2351.8	1863.2	469.6	226.1	204.0	192.4	181.8	173.4	170.2	168.7	168.7
55°	2724.5	2196.9	469.6	223.0	196.6	185.5	173.4	165.0	160.2	158.1	158.1
57.5°	3146.7	2585.3	550.8	220.3	190.8	177.6	164.4	156.0	150.7	147.6	147.6
60°	3576.2	2995.9	751.6	216.6	185.5	167.6	154.4	146.5	139.7	136.0	135.5
62.5°	4021.6	3448.1	1016.2	218.7	181.8	158.1	143.9	134.9	129.1	125.4	124.9
65°	4429.6	3878.8	1247.6	235.1	182.4	149.7	131.8	123.9	119.1	114.4	113.8
67.5°	4775.9	4116.5	1085.3	268.3	193.4	139.7	119.6	111.7	107.5	104.4	103.8
70°	4533.4	3753.9	615.6	288.8	208.7	129.1	105.9	100.7	96.5	94.3	93.8
72.5°	3876.7	3178.3	411.6	255.1	190.3	115.4	93.3	89.1	85.9	83.3	82.8
75°	3140.3	2520.5	314.7	209.3	148.1	93.8	80.1	77.0	73.8	71.2	70.6
77.5°	1858.0	1456.3	231.9	165.5	104.4	73.3	66.4	63.8	60.6	58.5	58.0
80°	593.0	506.0	147.1	113.8	69.0	56.4	51.1	49.0	45.9	43.2	42.7
82.5°	226.1	195.5	78.0	58.0	45.9	38.5	34.3	32.2	30.0	27.4	26.9
85°	100.1	93.8	43.2	31.1	24.8	19.0	16.9	15.8	13.2	11.1	10.5
87.5°	35.3	35.3	18.4	9.0	5.3	2.6	1.6	0.5	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)