

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: P630827

Luminaire Tested: GWS-SA1E-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630827
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-SA1E-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7446.4 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

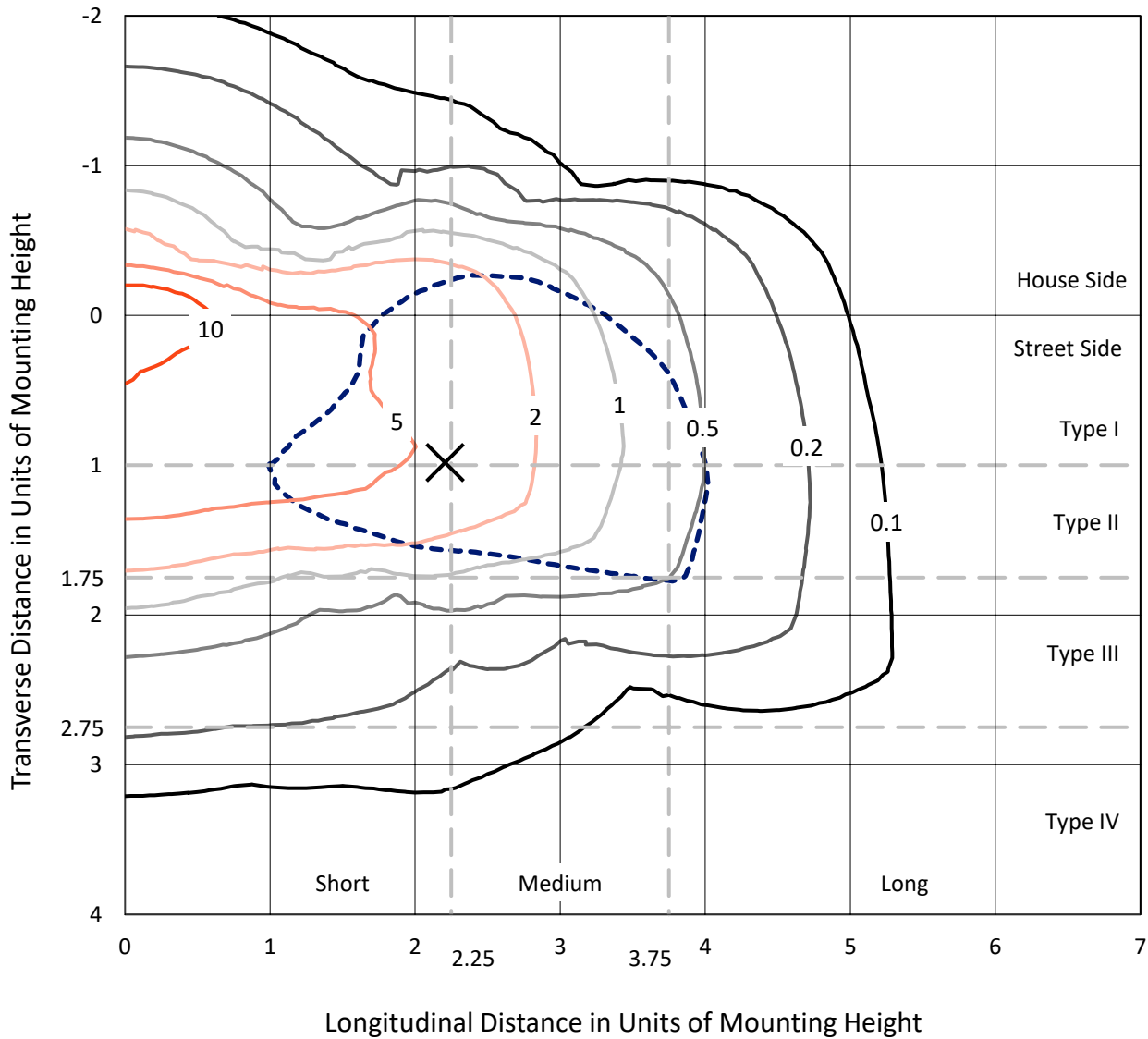
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

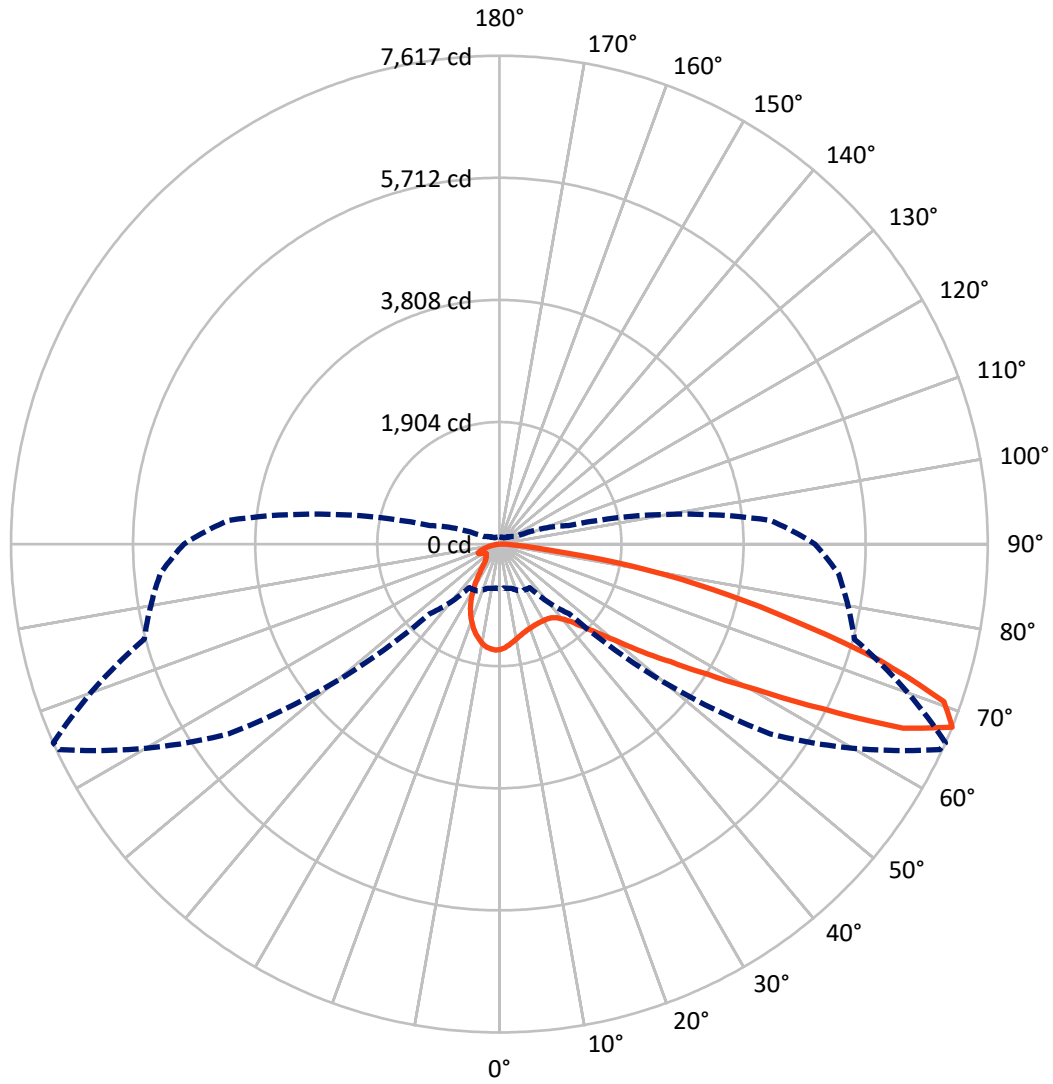
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 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	1511.0	0.0	1511.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5935.3	0.0	5935.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	7446.4	0.0	7446.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	1.9
10°-20°	354.9	4.8
20°-30°	487.8	6.6
30°-40°	666.9	9.0
40°-50°	1010.6	13.6
50°-60°	1571.0	21.1
60°-70°	1912.6	25.7
70°-80°	1165.1	15.6
80°-90°	133.1	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°	7446.4	100.0
0°-180°	7446.4	100.0

Coefficient of Utilization



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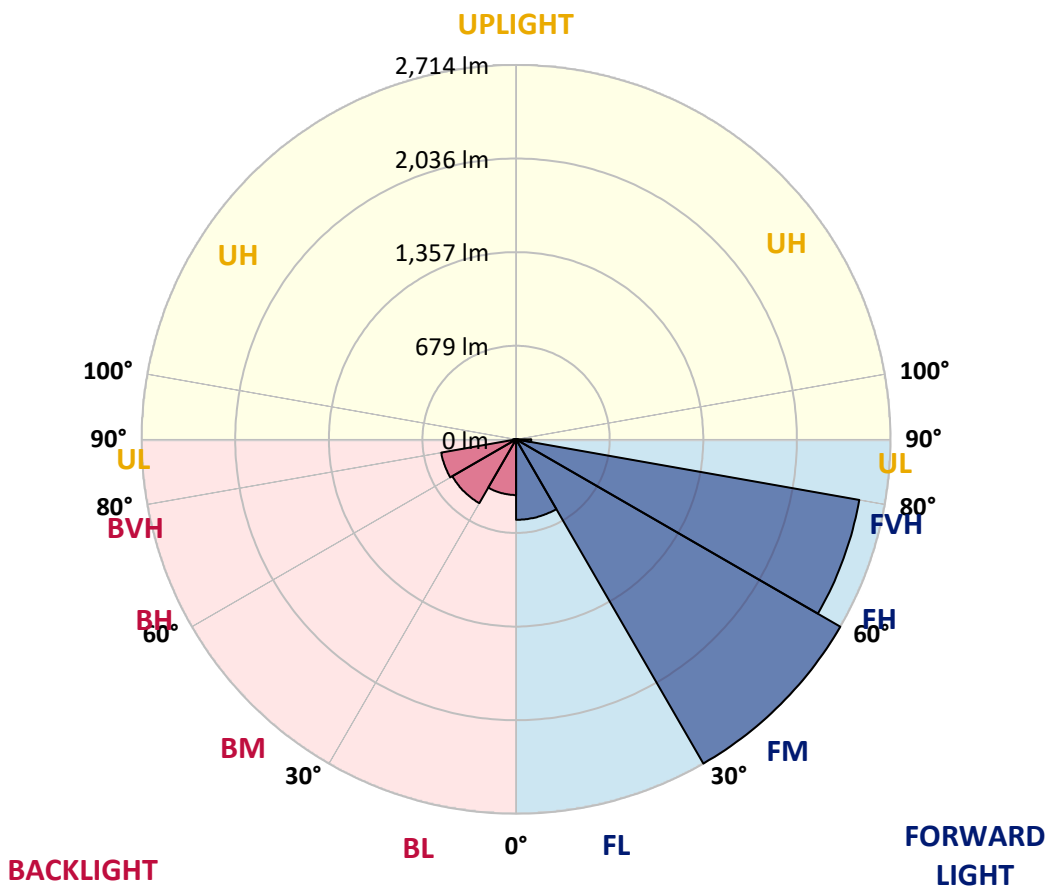
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.5	7.8			
FM (30°-60°)	2714.5	36.5			
FH (60°-80°)	2526.8	33.9			G2/5000
FVH (80°-90°)	110.6	1.5			G2/225
BL (0°-30°)	403.7	5.4	B1/500		
BM (30°-60°)	534.0	7.2	B1/1000		
BH (60°-80°)	551.0	7.4	B2/1000		G2/1000
BVH (80°-90°)	22.4	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°	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4
2.5°	1541.1	1546.6	1543.3	1564.0	1565.0	1591.1	1605.8	1618.3	1619.4	1635.7	1646.5
5°	1435.8	1439.0	1439.0	1458.6	1471.6	1506.4	1540.1	1575.9	1578.6	1617.7	1647.6
7.5°	1350.5	1353.7	1351.6	1377.6	1394.5	1433.0	1476.0	1530.8	1536.3	1599.3	1651.4
10°	1283.7	1282.6	1288.0	1311.9	1333.6	1379.8	1427.6	1490.1	1498.2	1578.1	1655.8
12.5°	1238.0	1239.1	1242.4	1267.4	1290.7	1336.3	1385.8	1453.7	1462.4	1553.6	1653.6
15°	1216.3	1214.1	1216.8	1239.7	1261.9	1302.1	1353.2	1423.3	1432.0	1531.9	1654.1
17.5°	1211.4	1209.8	1209.2	1225.5	1242.4	1279.8	1328.7	1399.9	1409.1	1517.8	1657.4
20°	1226.6	1224.4	1218.5	1225.5	1232.6	1264.1	1311.4	1383.1	1393.4	1508.5	1663.9
22.5°	1268.4	1264.6	1255.4	1246.7	1237.5	1256.5	1300.5	1370.6	1380.9	1502.6	1670.4
25°	1332.0	1328.7	1319.0	1299.4	1265.7	1262.5	1298.3	1365.1	1375.5	1498.2	1673.1
27.5°	1419.5	1414.6	1404.8	1376.5	1321.7	1284.7	1306.5	1364.6	1374.4	1493.3	1670.4
30°	1523.2	1520.0	1514.5	1480.3	1407.0	1332.0	1324.9	1368.9	1376.5	1490.6	1665.0
32.5°	1628.6	1625.3	1629.7	1613.4	1523.2	1410.2	1365.1	1380.9	1386.3	1490.1	1660.1
35°	1721.5	1725.3	1756.8	1759.5	1671.0	1516.2	1428.7	1408.6	1409.7	1500.9	1662.3
37.5°	1818.7	1833.4	1874.7	1910.0	1836.1	1656.3	1523.2	1460.7	1459.7	1528.6	1675.9
40°	1947.5	1954.0	2006.7	2073.0	2026.8	1848.6	1657.4	1546.0	1538.4	1585.1	1712.3
42.5°	2073.0	2088.7	2172.9	2249.0	2233.8	2065.4	1826.3	1673.7	1660.1	1685.1	1787.2
45°	2232.7	2247.9	2342.4	2440.2	2467.9	2310.4	2042.5	1855.1	1841.5	1835.6	1924.7
47.5°	2392.4	2408.1	2492.9	2634.1	2731.4	2616.7	2323.9	2094.7	2072.4	2049.1	2132.2
50°	2499.9	2518.4	2599.4	2768.8	2997.0	2999.2	2657.5	2408.7	2380.4	2343.5	2424.4
52.5°	2496.1	2508.1	2585.2	2780.8	3188.2	3438.6	3104.0	2808.5	2785.7	2705.3	2775.9
55°	2300.0	2318.0	2395.6	2640.1	3208.9	3855.3	3760.2	3280.0	3239.3	3095.3	3173.0
57.5°	1906.2	1921.4	1999.6	2301.1	3025.8	4068.8	4593.6	3880.8	3824.9	3520.1	3609.8
60°	1439.0	1420.5	1457.5	1721.5	2587.9	4074.2	5329.1	4695.7	4602.2	3974.3	4049.2
62.5°	1079.9	1061.5	1069.6	1144.0	1754.6	3745.0	5748.5	5810.4	5656.1	4487.1	4472.4
65°	853.4	843.1	866.5	917.5	1022.9	2852.0	5751.7	7015.8	6918.6	5081.4	4906.5
67.5°	695.3	688.8	712.7	807.2	829.5	1532.5	5157.4	7578.6	7616.6	5732.2	5309.0
70°	560.1	550.3	587.8	712.2	771.4	927.3	3694.5	7291.8	7353.2	6120.0	5195.4
72.5°	386.8	387.3	406.3	576.9	744.8	800.7	2089.8	6071.7	6204.8	5768.6	4567.5
75°	260.8	262.9	268.4	380.8	686.1	776.8	1113.6	4596.8	4690.8	4767.9	3775.4
77.5°	157.5	158.6	171.1	230.3	473.2	725.2	754.5	3332.2	3406.1	3143.1	2340.2
80°	91.3	95.1	106.5	154.3	319.4	544.9	584.0	2043.1	2126.7	1397.2	743.7
82.5°	40.2	42.9	58.1	89.6	186.3	463.4	455.8	807.2	795.3	389.5	258.0
85°	7.1	8.7	12.5	28.2	68.4	244.5	353.6	356.4	335.2	147.8	107.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	53.2	95.6	95.1	41.8	36.9
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°	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4
2.5°	1653.6	1638.9	1652.0	1653.6	1650.9	1648.7	1632.4	1618.3	1616.7	1601.4	1601.4
5°	1659.6	1646.0	1652.5	1640.0	1620.5	1600.4	1565.6	1541.7	1530.8	1511.3	1511.3
7.5°	1667.7	1653.6	1646.0	1615.0	1569.4	1525.4	1469.4	1422.7	1403.7	1376.0	1374.9
10°	1675.3	1657.4	1631.3	1571.0	1498.2	1428.2	1346.7	1280.4	1235.3	1202.2	1202.2
12.5°	1674.8	1651.4	1599.8	1510.7	1410.2	1308.6	1200.0	1100.0	1040.3	988.7	985.4
15°	1673.7	1641.6	1559.6	1440.6	1307.6	1166.9	1019.1	888.7	800.2	749.7	745.3
17.5°	1672.6	1629.1	1514.5	1360.8	1182.6	990.9	795.8	654.6	580.7	549.7	550.8
20°	1672.6	1615.0	1466.2	1269.0	1038.7	780.1	584.0	481.3	462.8	464.5	466.1
22.5°	1667.7	1597.6	1412.4	1169.0	878.4	573.7	430.8	396.0	405.8	421.0	423.2
25°	1656.3	1568.8	1349.9	1058.2	687.7	417.7	351.5	345.0	362.9	381.9	387.3
27.5°	1638.4	1535.7	1279.8	928.4	506.3	335.7	309.1	308.6	322.7	336.8	341.7
30°	1619.4	1498.8	1206.0	783.9	366.7	292.3	281.9	281.9	289.0	297.7	296.6
32.5°	1597.1	1461.3	1126.7	633.4	298.8	267.8	264.6	262.9	264.0	267.3	267.3
35°	1578.1	1428.2	1045.2	474.2	267.8	254.2	251.0	247.2	245.5	243.4	244.5
37.5°	1571.0	1402.1	961.0	357.4	252.6	244.5	239.0	233.6	229.8	228.7	228.2
40°	1582.4	1391.2	876.8	294.4	241.7	234.1	228.2	221.1	217.8	217.8	217.8
42.5°	1627.0	1399.4	790.9	266.2	234.1	225.4	216.7	210.2	209.1	210.2	210.8
45°	1708.5	1430.9	701.9	252.1	227.6	216.7	206.4	201.5	201.5	202.6	202.6
47.5°	1854.0	1513.4	613.8	243.4	221.1	209.7	198.8	193.9	193.4	194.5	194.5
50°	2106.1	1662.3	534.5	237.4	216.2	204.3	193.4	186.9	185.2	184.7	184.7
52.5°	2423.9	1920.3	484.0	233.0	210.2	198.3	187.4	178.7	175.5	173.8	173.8
55°	2808.0	2264.2	484.0	229.8	202.6	191.2	178.7	170.0	165.1	163.0	163.0
57.5°	3243.1	2664.5	567.7	227.1	196.6	183.1	169.5	160.8	155.4	152.1	152.1
60°	3685.8	3087.7	774.6	223.3	191.2	172.7	159.2	151.0	144.0	140.2	139.6
62.5°	4144.8	3553.8	1047.3	225.4	187.4	163.0	148.3	139.1	133.1	129.3	128.7
65°	4565.3	3997.6	1285.8	242.3	188.0	154.3	135.8	127.7	122.8	117.9	117.3
67.5°	4922.2	4242.6	1118.5	276.5	199.4	144.0	123.3	115.2	110.8	107.6	107.0
70°	4672.3	3868.9	634.5	297.7	215.1	133.1	109.2	103.8	99.4	97.2	96.7
72.5°	3995.5	3275.7	424.3	262.9	196.1	119.0	96.2	91.8	88.5	85.8	85.3
75°	3236.6	2597.7	324.3	215.7	152.6	96.7	82.6	79.3	76.1	73.3	72.8
77.5°	1914.9	1500.9	239.0	170.6	107.6	75.5	68.4	65.7	62.5	60.3	59.8
80°	611.1	521.5	151.6	117.3	71.2	58.1	52.7	50.5	47.3	44.5	44.0
82.5°	233.0	201.5	80.4	59.8	47.3	39.7	35.3	33.1	31.0	28.2	27.7
85°	103.2	96.7	44.5	32.1	25.5	19.6	17.4	16.3	13.6	11.4	10.9
87.5°	36.4	36.4	19.0	9.2	5.4	2.7	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)