

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: P632944

Luminaire Tested: GWS-SA2D-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632944
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-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11788 lumens
Efficiency: N/A
Efficacy: 143.6 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

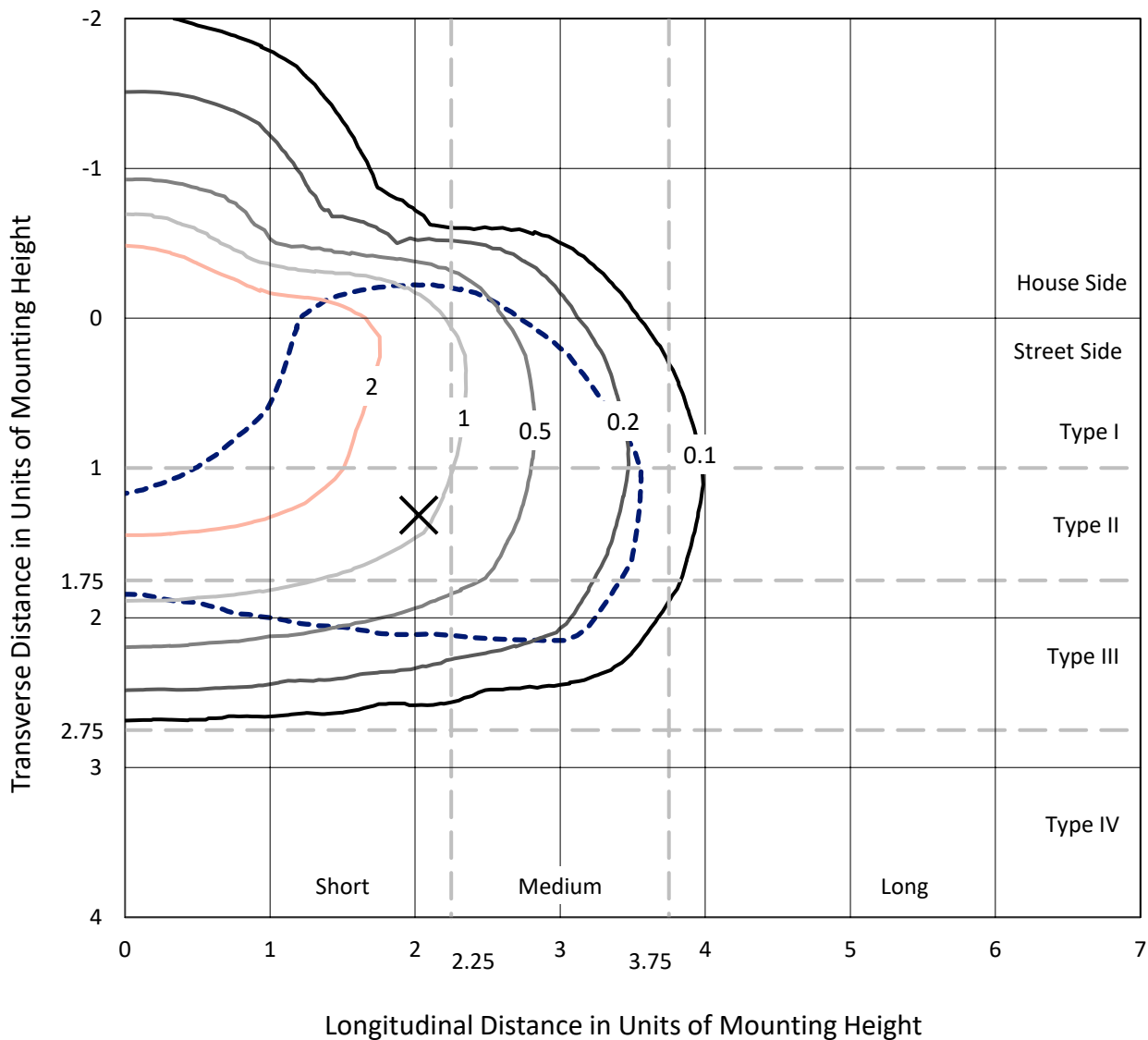


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Iso-Footcandle Lines of Horizontal Illumination

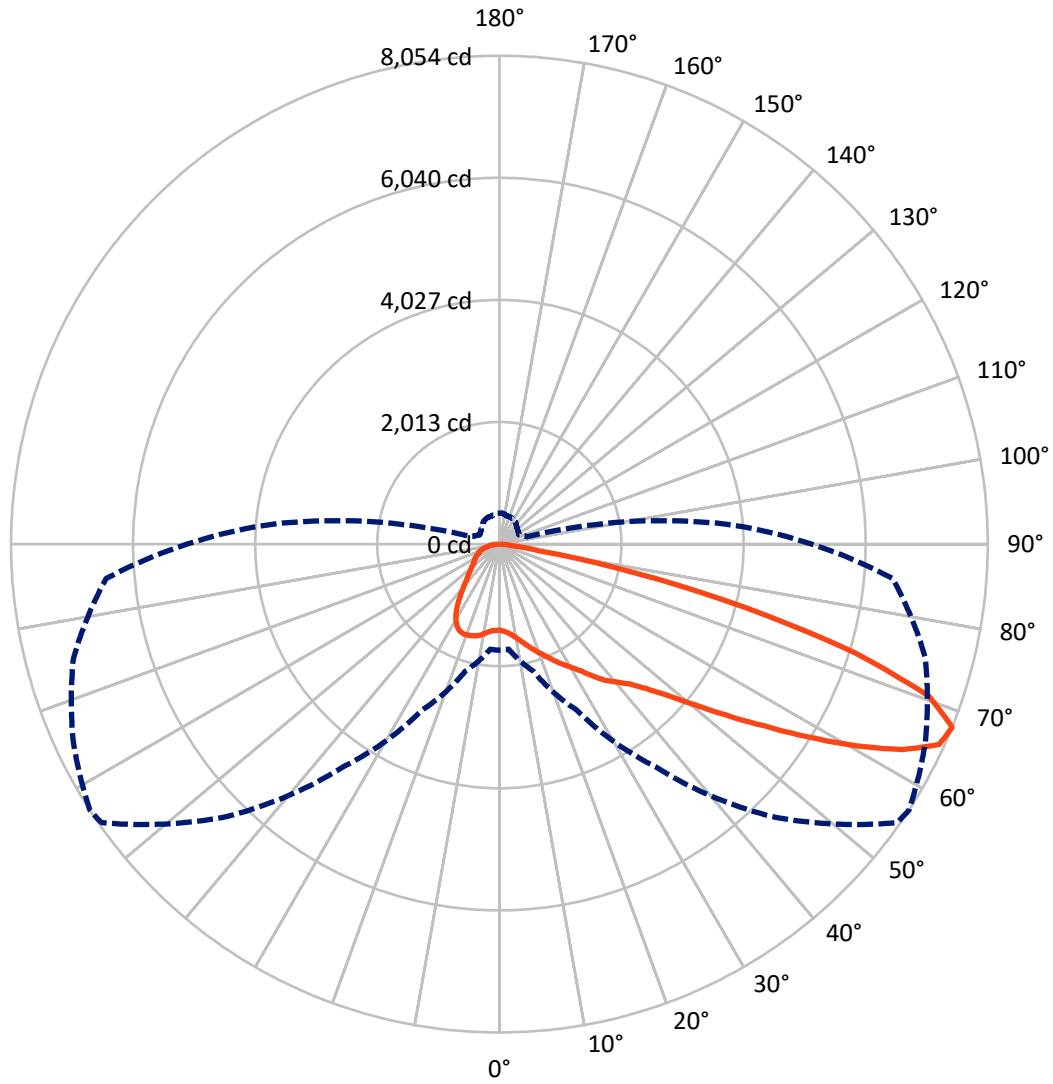
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	2591.7	0.0	2591.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	9196.3	0.0	9196.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	11788.0	0.0	11788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	1.2
10°-20°	466.4	4.0
20°-30°	831.4	7.1
30°-40°	1208.8	10.3
40°-50°	1749.5	14.8
50°-60°	2737.9	23.2
60°-70°	3194.0	27.1
70°-80°	1333.3	11.3
80°-90°	125.8	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°	11788.0	100.0
0°-180°	11788.0	100.0

Coefficient of Utilization



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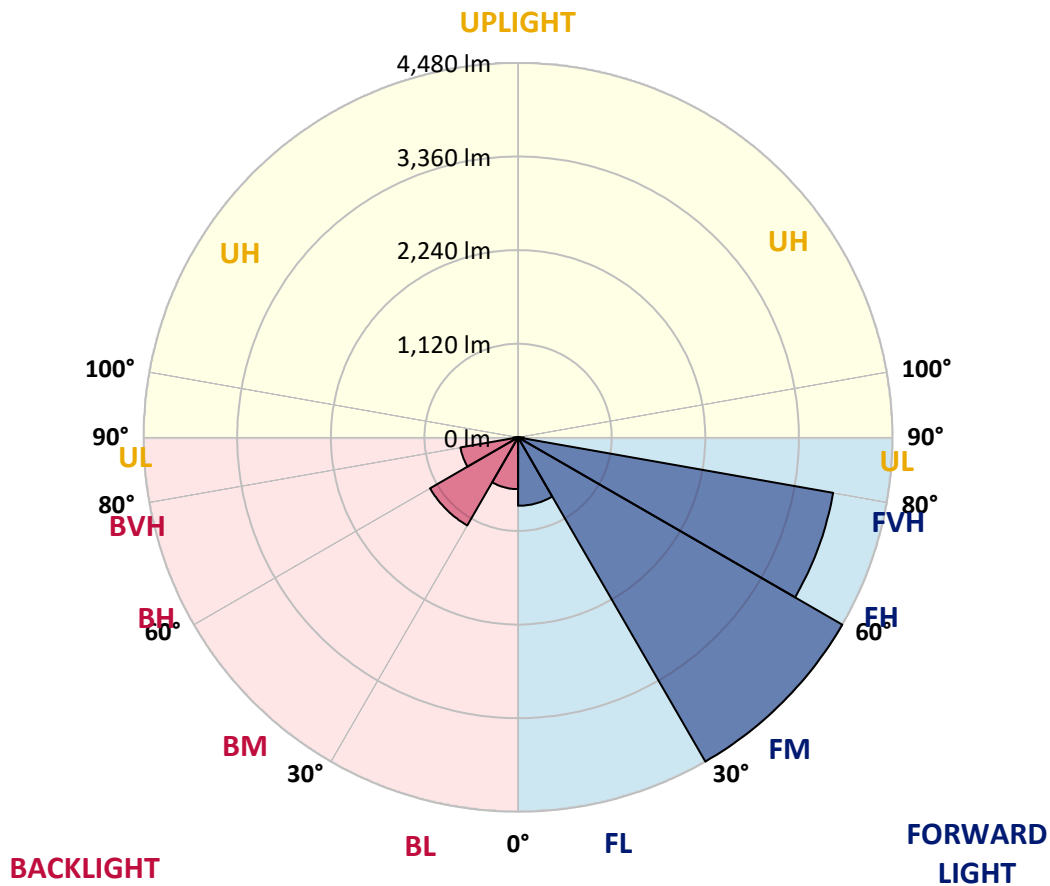
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	818.8	6.9			
FM (30°-60°)	4479.6	38.0			
FH (60°-80°)	3827.8	32.5			G2/5000
FVH (80°-90°)	70.1	0.6			G1/100
BL (0°-30°)	619.9	5.3	B2/1000		
BM (30°-60°)	1216.6	10.3	B2/2500		
BH (60°-80°)	699.5	5.9	B2/1000		G2/1000
BVH (80°-90°)	55.7	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°	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4
2.5°	1440.6	1439.0	1438.1	1443.2	1441.5	1440.6	1440.6	1439.8	1438.1	1431.4	1422.1
5°	1480.3	1477.0	1473.6	1477.8	1474.4	1471.0	1470.2	1468.5	1462.6	1452.5	1438.1
7.5°	1521.7	1518.3	1519.2	1521.7	1519.2	1517.5	1515.0	1513.3	1504.0	1487.9	1468.5
10°	1580.0	1580.0	1581.7	1584.2	1585.0	1582.5	1577.4	1574.9	1563.9	1543.7	1516.6
12.5°	1664.4	1662.7	1662.7	1661.0	1663.6	1661.0	1656.0	1651.8	1638.2	1612.1	1573.2
15°	1775.9	1769.1	1763.2	1752.2	1748.9	1739.6	1741.3	1738.7	1726.1	1690.6	1641.6
17.5°	1895.0	1894.1	1884.8	1862.9	1840.9	1825.7	1829.1	1828.2	1821.5	1773.4	1710.9
20°	1999.7	2003.9	1995.4	1978.6	1949.0	1920.3	1918.6	1922.8	1914.4	1866.2	1779.3
22.5°	2117.0	2113.7	2105.2	2083.3	2061.3	2030.9	2020.8	2017.4	2014.0	1959.1	1849.4
25°	2228.5	2238.7	2227.7	2207.4	2173.6	2140.7	2132.2	2135.6	2126.3	2053.7	1924.5
27.5°	2369.5	2373.8	2367.0	2339.1	2310.4	2264.0	2247.9	2247.9	2244.6	2142.4	1983.6
30°	2519.9	2531.7	2519.9	2497.1	2467.5	2400.8	2366.2	2362.8	2352.7	2233.6	2052.9
32.5°	2671.0	2679.5	2671.0	2649.1	2615.3	2557.0	2507.2	2499.6	2486.1	2333.2	2123.8
35°	2805.3	2812.9	2811.2	2816.3	2788.4	2714.9	2684.5	2681.1	2645.7	2463.3	2220.1
37.5°	2952.2	2961.5	2948.8	2959.0	2948.0	2878.7	2869.5	2852.6	2801.9	2585.7	2321.4
40°	3119.4	3127.9	3107.6	3111.8	3099.2	3060.3	3013.0	2990.2	2915.1	2718.3	2481.0
42.5°	3298.4	3317.9	3327.2	3319.6	3290.0	3268.0	3185.3	3156.6	3094.1	2957.3	2743.6
45°	3557.7	3586.4	3599.9	3580.5	3567.8	3536.6	3435.2	3400.6	3367.7	3294.2	3110.1
47.5°	3837.2	3863.4	3906.5	3914.9	3925.0	3901.4	3758.7	3724.9	3730.8	3722.4	3561.1
50°	4060.1	4082.1	4179.2	4283.1	4369.2	4376.0	4193.6	4157.3	4189.3	4216.4	4104.1
52.5°	4222.3	4241.7	4370.1	4584.5	4779.6	4924.0	4727.3	4685.9	4712.1	4772.9	4721.3
55°	4354.0	4381.0	4515.3	4844.6	5239.0	5467.0	5341.2	5288.8	5277.8	5353.0	5382.6
57.5°	4423.3	4431.7	4620.0	5048.2	5575.9	5999.9	6054.7	5995.6	5890.9	5932.3	6086.0
60°	4265.3	4279.7	4537.3	5100.5	5841.9	6528.5	6803.8	6754.8	6531.9	6554.7	6724.4
62.5°	3828.8	3849.0	4158.9	4851.4	5863.9	6881.5	7495.4	7464.1	7165.2	7041.9	7092.6
65°	3071.3	3078.0	3398.9	4234.9	5427.3	6925.4	7977.6	7970.0	7607.7	7318.9	7101.9
67.5°	1751.4	1739.6	2168.6	3020.6	4479.0	6354.5	8008.8	8053.6	7751.3	7273.3	6510.8
70°	759.2	760.9	958.5	1490.5	2899.0	5136.0	7438.8	7515.7	7335.8	6514.1	5179.9
72.5°	351.3	356.4	441.7	645.2	1238.0	3186.1	6065.7	6135.0	5980.4	5213.7	3768.8
75°	248.3	252.5	294.7	369.9	569.2	1241.3	4057.6	4202.9	4278.0	3899.7	2483.5
77.5°	188.3	194.2	215.3	256.7	351.3	440.0	1941.4	2287.6	2725.1	2426.1	1279.3
80°	119.9	119.9	142.7	171.4	214.5	228.8	560.7	664.6	1333.4	999.8	502.5
82.5°	81.1	83.6	97.1	108.9	123.3	130.0	240.7	256.7	385.1	340.3	206.9
85°	43.1	44.8	50.7	49.8	59.1	51.5	101.3	100.5	141.0	154.5	78.5
87.5°	0.0	0.0	0.8	0.8	1.7	2.5	11.0	11.8	29.6	47.3	26.2
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°	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4
2.5°	1427.1	1417.0	1422.1	1420.4	1425.4	1425.4	1416.2	1413.6	1414.5	1404.3	1401.0
5°	1439.8	1428.0	1430.5	1427.1	1432.2	1436.4	1432.2	1432.2	1437.3	1429.7	1425.4
7.5°	1468.5	1455.0	1455.0	1450.8	1456.7	1460.1	1456.7	1461.8	1471.0	1463.4	1459.2
10°	1514.1	1498.1	1498.9	1493.8	1496.4	1494.7	1481.2	1477.0	1479.5	1472.7	1469.4
12.5°	1573.2	1551.3	1551.3	1541.1	1535.2	1517.5	1489.6	1479.5	1481.2	1475.3	1472.7
15°	1629.8	1609.5	1605.3	1585.0	1558.0	1525.1	1499.8	1493.0	1494.7	1488.8	1484.6
17.5°	1696.5	1670.3	1655.1	1618.0	1568.2	1534.4	1509.0	1493.0	1479.5	1466.0	1462.6
20°	1758.2	1725.2	1697.4	1639.9	1579.1	1532.7	1485.4	1445.7	1412.8	1395.0	1390.8
22.5°	1821.5	1779.3	1730.3	1655.1	1578.3	1502.3	1415.3	1355.4	1306.4	1280.2	1285.3
25°	1881.4	1828.2	1761.5	1669.5	1551.3	1434.7	1316.5	1227.0	1171.3	1151.0	1145.1
27.5°	1931.3	1865.4	1790.2	1662.7	1495.5	1337.6	1181.4	1081.7	1027.7	1004.9	999.0
30°	1987.0	1912.7	1831.6	1631.5	1407.7	1201.7	1028.5	947.5	908.6	886.7	887.5
32.5°	2051.2	1973.5	1889.9	1571.5	1295.4	1054.7	902.7	847.0	815.7	793.8	790.4
35°	2137.3	2060.5	1928.7	1481.2	1152.7	919.6	816.6	771.0	732.1	703.4	697.5
37.5°	2243.7	2191.4	1933.0	1360.4	999.8	826.7	754.9	706.0	658.7	620.7	616.5
40°	2426.1	2366.2	1898.3	1209.3	869.8	766.8	703.4	646.9	592.0	549.7	543.8
42.5°	2686.2	2562.9	1824.0	1038.7	771.8	719.5	654.5	582.7	526.9	497.4	493.2
45°	3017.2	2782.5	1712.6	878.2	699.2	673.0	602.9	527.8	498.2	477.1	472.9
47.5°	3422.6	3038.4	1584.2	753.3	642.6	630.8	550.6	509.2	483.0	465.3	461.1
50°	3907.3	3364.3	1478.6	655.3	592.0	581.8	533.7	498.2	477.1	462.8	459.4
52.5°	4460.4	3726.6	1427.1	585.2	548.1	537.9	527.8	495.7	478.0	467.0	462.8
55°	5034.6	4108.3	1379.0	531.2	510.9	516.8	528.6	504.1	490.6	476.3	472.1
57.5°	5589.4	4466.3	1260.8	488.9	483.9	506.7	532.9	512.6	496.5	482.2	477.1
60°	5972.0	4662.2	1060.6	455.2	463.6	494.0	521.9	499.9	479.7	473.7	471.2
62.5°	6075.0	4638.6	823.3	420.5	439.1	466.1	493.2	478.8	457.7	467.0	467.8
65°	5834.3	4385.3	618.1	386.8	407.0	429.8	463.6	457.7	450.1	475.4	476.3
67.5°	5152.9	3762.9	471.2	357.2	374.1	402.0	454.3	478.8	480.5	512.6	509.2
70°	3898.8	2811.2	369.0	329.3	348.8	402.0	483.9	494.9	474.6	504.1	497.4
72.5°	2695.5	1855.3	314.1	304.8	317.5	383.4	483.0	483.0	461.1	461.1	448.4
75°	1674.6	1091.0	273.6	273.6	273.6	335.2	469.5	445.0	406.2	388.4	378.3
77.5°	826.7	530.3	229.7	238.1	228.8	280.4	383.4	364.0	340.3	321.7	315.0
80°	353.0	265.2	185.8	195.1	184.1	211.1	304.0	299.8	277.0	252.5	244.9
82.5°	162.1	136.8	148.6	152.8	134.3	158.8	222.1	222.1	209.4	175.6	163.0
85°	69.2	72.6	103.0	103.0	84.4	89.5	119.1	113.2	101.3	82.8	76.0
87.5°	23.6	35.5	52.4	45.6	17.7	7.6	4.2	1.7	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)