

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: P632889

Luminaire Tested: GWS-SA2D-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632889  
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-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11951.8 lumens  
Efficiency: N/A  
Efficacy: 145.6 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

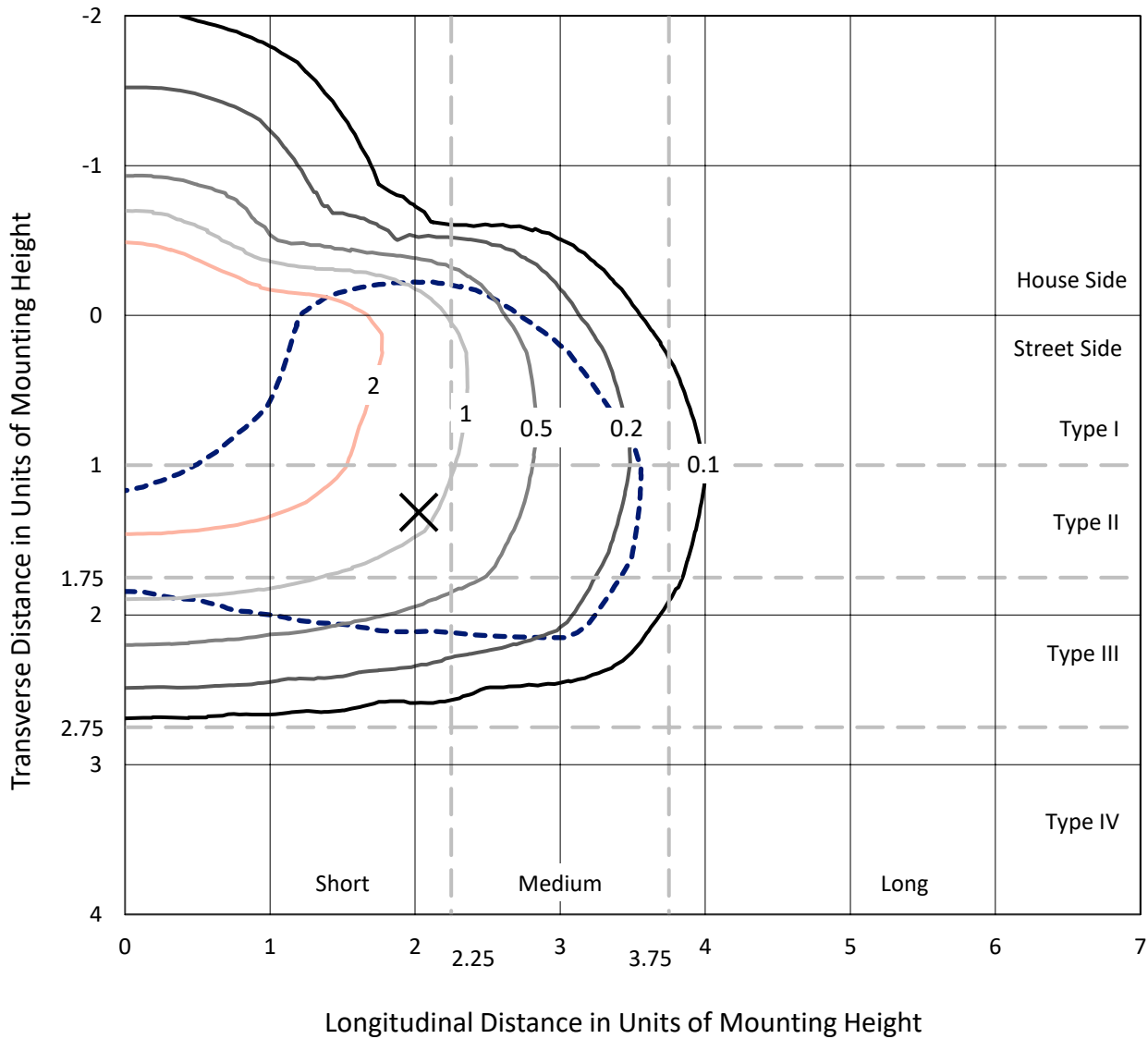


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### Iso-Footcandle Lines of Horizontal Illumination

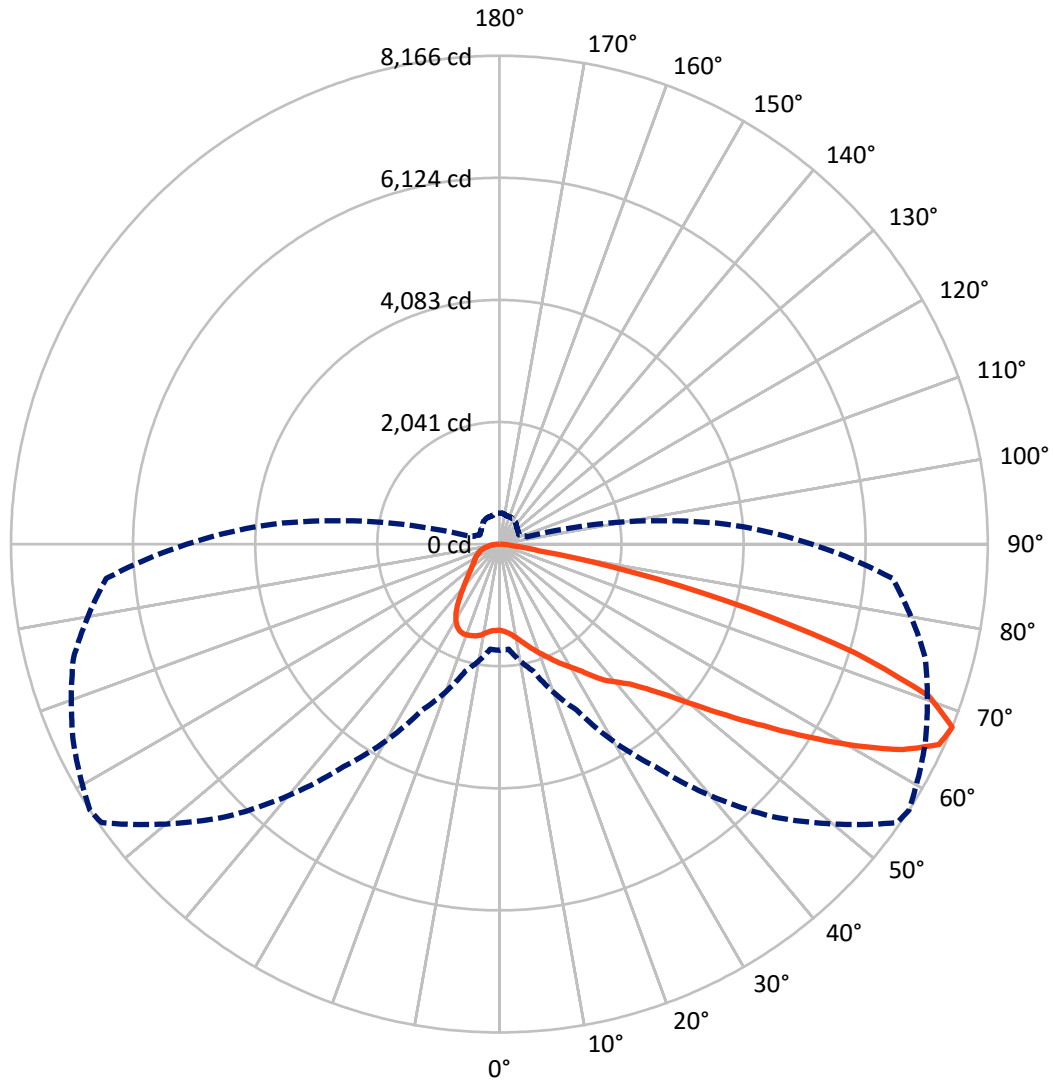
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	2627.7	0.0	2627.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	9324.1	0.0	9324.1
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	11951.8	0.0	11951.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.8	1.2
10°-20°	472.8	4.0
20°-30°	843.0	7.1
30°-40°	1225.6	10.3
40°-50°	1773.8	14.8
50°-60°	2776.0	23.2
60°-70°	3238.4	27.1
70°-80°	1351.8	11.3
80°-90°	127.6	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°	11951.8	100.0
0°-180°	11951.8	100.0

**Coefficient of Utilization**



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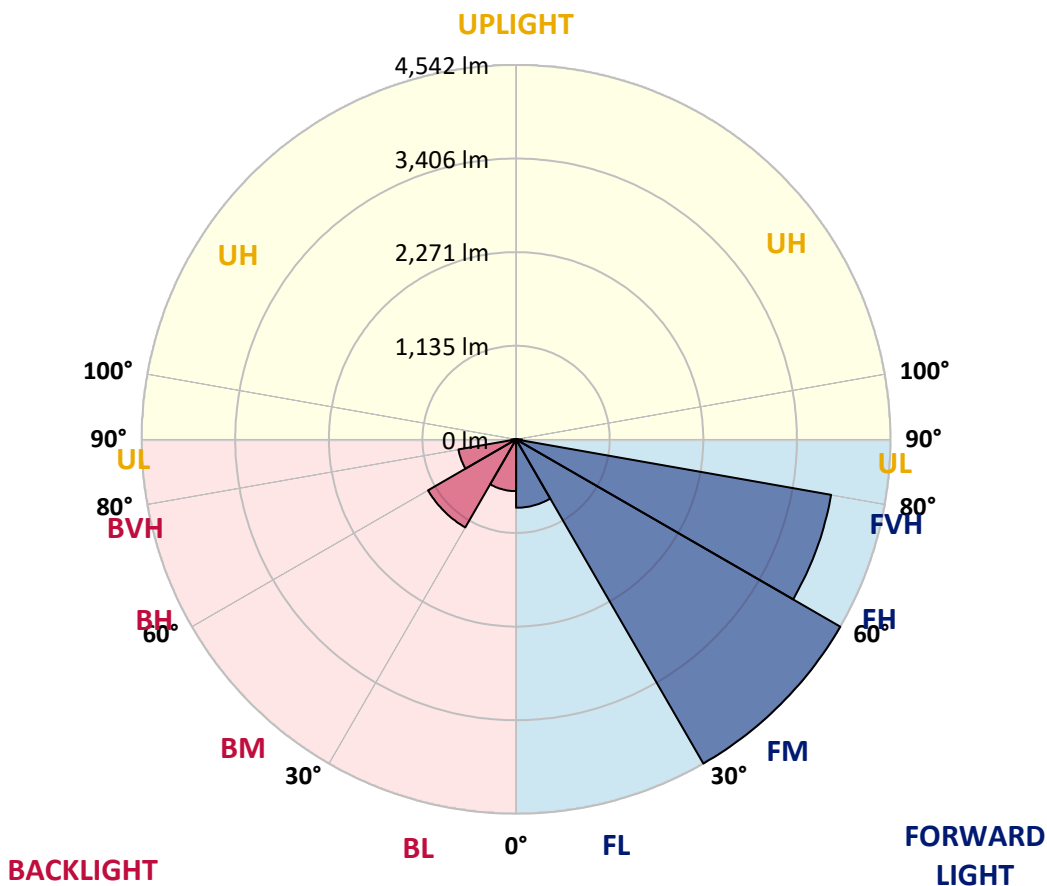
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.2	6.9			
FM (30°-60°)	4541.9	38.0			
FH (60°-80°)	3881.0	32.5			G2/5000
FVH (80°-90°)	71.1	0.6			G1/100
BL (0°-30°)	628.5	5.3	B2/1000		
BM (30°-60°)	1233.5	10.3	B2/2500		
BH (60°-80°)	709.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	56.5	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°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1460.7	1458.9	1458.1	1463.2	1461.5	1460.7	1460.7	1459.8	1458.1	1451.2	1441.8
5°	1500.9	1497.5	1494.1	1498.3	1494.9	1491.5	1490.6	1488.9	1482.9	1472.6	1458.1
7.5°	1542.9	1539.4	1540.3	1542.9	1540.3	1538.6	1536.0	1534.3	1524.9	1508.6	1488.9
10°	1601.9	1601.9	1603.6	1606.2	1607.1	1604.5	1599.4	1596.8	1585.7	1565.1	1537.7
12.5°	1687.5	1685.8	1685.8	1684.1	1686.7	1684.1	1679.0	1674.7	1661.0	1634.5	1595.1
15°	1800.6	1793.7	1787.7	1776.6	1773.2	1763.8	1765.5	1762.9	1750.1	1714.1	1664.4
17.5°	1921.3	1920.4	1911.0	1888.8	1866.5	1851.1	1854.5	1853.6	1846.8	1798.0	1734.6
20°	2027.5	2031.7	2023.2	2006.1	1976.1	1947.0	1945.3	1949.5	1941.0	1892.2	1804.0
22.5°	2146.5	2143.0	2134.5	2112.2	2090.0	2059.1	2048.9	2045.4	2042.0	1986.4	1875.1
25°	2259.5	2269.8	2258.6	2238.1	2203.8	2170.4	2161.9	2165.3	2155.9	2082.3	1951.3
27.5°	2402.5	2406.7	2399.9	2371.6	2342.5	2295.4	2279.2	2279.2	2275.8	2172.2	2011.2
30°	2554.9	2566.9	2554.9	2531.8	2501.8	2434.1	2399.0	2395.6	2385.3	2264.6	2081.4
32.5°	2708.1	2716.7	2708.1	2685.9	2651.6	2592.5	2542.0	2534.3	2520.6	2365.7	2153.3
35°	2844.3	2852.0	2850.3	2855.4	2827.1	2752.6	2721.8	2718.4	2682.4	2497.5	2250.9
37.5°	2993.2	3002.7	2989.8	3000.1	2989.0	2918.7	2909.3	2892.2	2840.8	2621.7	2353.7
40°	3162.8	3171.3	3150.8	3155.1	3142.2	3102.8	3054.9	3031.8	2955.6	2756.1	2515.5
42.5°	3344.3	3364.0	3373.4	3365.7	3335.7	3313.5	3229.5	3200.4	3137.1	2998.4	2781.8
45°	3607.1	3636.2	3649.9	3630.2	3617.4	3585.7	3483.0	3447.9	3414.5	3340.0	3153.3
47.5°	3890.5	3917.1	3960.7	3969.3	3979.6	3955.6	3810.9	3776.7	3782.6	3774.1	3610.6
50°	4116.6	4138.8	4237.3	4342.6	4429.9	4436.8	4251.8	4215.0	4247.6	4275.0	4161.1
52.5°	4280.9	4300.6	4430.8	4648.3	4846.0	4992.4	4792.9	4751.0	4777.5	4839.2	4787.0
55°	4414.5	4441.9	4578.0	4912.0	5311.8	5543.0	5415.4	5362.3	5351.2	5427.4	5457.4
57.5°	4484.7	4493.3	4684.2	5118.3	5653.4	6083.2	6138.9	6078.9	5972.8	6014.7	6170.6
60°	4324.6	4339.2	4600.3	5171.4	5923.1	6619.2	6898.3	6848.7	6622.6	6645.7	6817.8
62.5°	3882.0	3902.5	4216.7	4918.8	5945.4	6977.1	7599.5	7567.9	7264.8	7139.8	7191.1
65°	3114.0	3120.8	3446.2	4293.8	5502.7	7021.6	8088.4	8080.7	7713.4	7420.6	7200.6
67.5°	1775.7	1763.8	2198.7	3062.6	4541.2	6442.8	8120.1	8165.5	7859.0	7374.4	6601.2
70°	769.7	771.4	971.8	1511.2	2939.3	5207.3	7542.2	7620.1	7437.7	6604.6	5251.9
72.5°	356.2	361.3	447.8	654.1	1255.2	3230.4	6150.0	6220.2	6063.5	5286.1	3821.2
75°	251.7	256.0	298.8	375.0	577.1	1258.6	4114.0	4261.3	4337.5	3953.9	2518.1
77.5°	190.9	196.9	218.3	260.3	356.2	446.1	1968.4	2319.4	2762.9	2459.8	1297.1
80°	121.6	121.6	144.7	173.8	217.5	232.0	568.5	673.8	1351.9	1013.7	509.4
82.5°	82.2	84.8	98.5	110.4	125.0	131.9	244.0	260.3	390.4	345.0	209.8
85°	43.7	45.4	51.4	50.5	59.9	52.2	102.7	101.9	143.0	156.7	79.6
87.5°	0.0	0.0	0.9	0.9	1.7	2.6	11.1	12.0	30.0	47.9	26.5
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°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1447.0	1436.7	1441.8	1440.1	1445.2	1445.2	1435.8	1433.3	1434.1	1423.8	1420.4
5°	1459.8	1447.8	1450.4	1447.0	1452.1	1456.4	1452.1	1452.1	1457.2	1449.5	1445.2
7.5°	1488.9	1475.2	1475.2	1470.9	1476.9	1480.4	1476.9	1482.1	1491.5	1483.8	1479.5
10°	1535.1	1518.9	1519.7	1514.6	1517.2	1515.5	1501.8	1497.5	1500.0	1493.2	1489.8
12.5°	1595.1	1572.8	1572.8	1562.5	1556.6	1538.6	1510.3	1500.0	1501.8	1495.8	1493.2
15°	1652.4	1631.9	1627.6	1607.1	1579.7	1546.3	1520.6	1513.7	1515.5	1509.5	1505.2
17.5°	1720.1	1693.5	1678.1	1640.5	1589.9	1555.7	1530.0	1513.7	1500.0	1486.3	1482.9
20°	1782.6	1749.2	1720.9	1662.7	1601.1	1554.0	1506.0	1465.8	1432.4	1414.4	1410.1
22.5°	1846.8	1804.0	1754.3	1678.1	1600.2	1523.2	1435.0	1374.2	1324.5	1298.0	1303.1
25°	1907.6	1853.6	1786.0	1692.7	1572.8	1454.7	1334.8	1244.0	1187.5	1167.0	1161.0
27.5°	1958.1	1891.3	1815.1	1685.8	1516.3	1356.2	1197.8	1096.8	1042.0	1018.9	1012.9
30°	2014.6	1939.3	1857.1	1654.2	1427.3	1218.4	1042.8	960.6	921.3	899.0	899.9
32.5°	2079.7	2000.9	1916.2	1593.4	1313.4	1069.4	915.3	858.8	827.1	804.8	801.4
35°	2167.0	2089.1	1955.5	1501.8	1168.7	932.4	827.9	781.7	742.3	713.2	707.2
37.5°	2274.9	2221.8	1959.8	1379.3	1013.7	838.2	765.4	715.8	667.8	629.3	625.0
40°	2459.8	2399.0	1924.7	1226.1	881.9	777.4	713.2	655.8	600.2	557.4	551.4
42.5°	2723.5	2598.5	1849.4	1053.1	782.6	729.5	663.5	590.8	534.3	504.3	500.0
45°	3059.2	2821.1	1736.4	890.4	708.9	682.4	611.3	535.1	505.2	483.7	479.5
47.5°	3470.1	3080.6	1606.2	763.7	651.6	639.6	558.2	516.3	489.7	471.8	467.5
50°	3961.6	3411.1	1499.2	664.4	600.2	589.9	541.1	505.2	483.7	469.2	465.8
52.5°	4522.4	3778.4	1447.0	593.3	555.7	545.4	535.1	502.6	484.6	473.5	469.2
55°	5104.6	4165.4	1398.2	538.5	518.0	524.0	536.0	511.1	497.4	482.9	478.6
57.5°	5667.1	4528.4	1278.3	495.7	490.6	513.7	540.3	519.7	503.4	488.9	483.7
60°	6055.0	4727.0	1075.4	461.5	470.0	500.9	529.1	506.9	486.3	480.3	477.8
62.5°	6159.4	4703.0	834.8	426.4	445.2	472.6	500.0	485.5	464.1	473.5	474.3
65°	5915.4	4446.2	626.7	392.1	412.7	435.8	470.0	464.1	456.3	482.0	482.9
67.5°	5224.5	3815.2	477.8	362.2	379.3	407.5	460.6	485.5	487.2	519.7	516.3
70°	3953.0	2850.3	374.2	333.9	353.6	407.5	490.6	501.7	481.2	511.1	504.3
72.5°	2733.0	1881.0	318.5	309.1	321.9	388.7	489.7	489.7	467.5	467.5	454.6
75°	1697.8	1106.2	277.4	277.4	277.4	339.9	476.0	451.2	411.8	393.8	383.6
77.5°	838.2	537.7	232.9	241.4	232.0	284.3	388.7	369.0	345.0	326.2	319.4
80°	357.9	268.8	188.4	197.8	186.6	214.0	308.2	303.9	280.8	256.0	248.3
82.5°	164.4	138.7	150.7	155.0	136.1	161.0	225.2	225.2	212.3	178.1	165.2
85°	70.2	73.6	104.5	104.5	85.6	90.8	120.7	114.7	102.7	83.9	77.1
87.5°	24.0	36.0	53.1	46.2	18.0	7.7	4.3	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)