

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: P634516

Luminaire Tested: GWS-SA3B-830-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634516  
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-SA3B-830-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

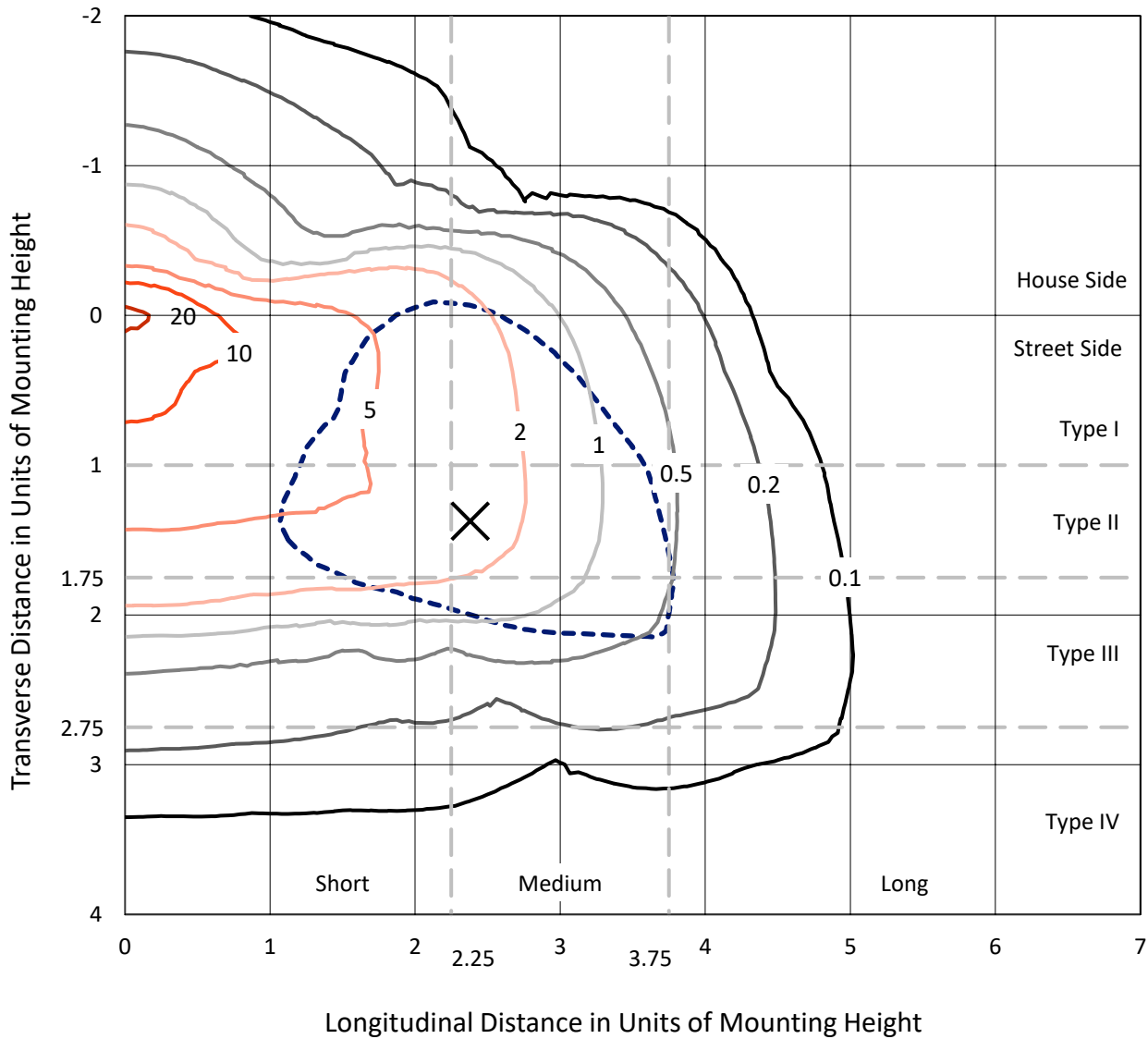
Lumens per Lamp: N/A  
Luminaire Lumens: 8096.1 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

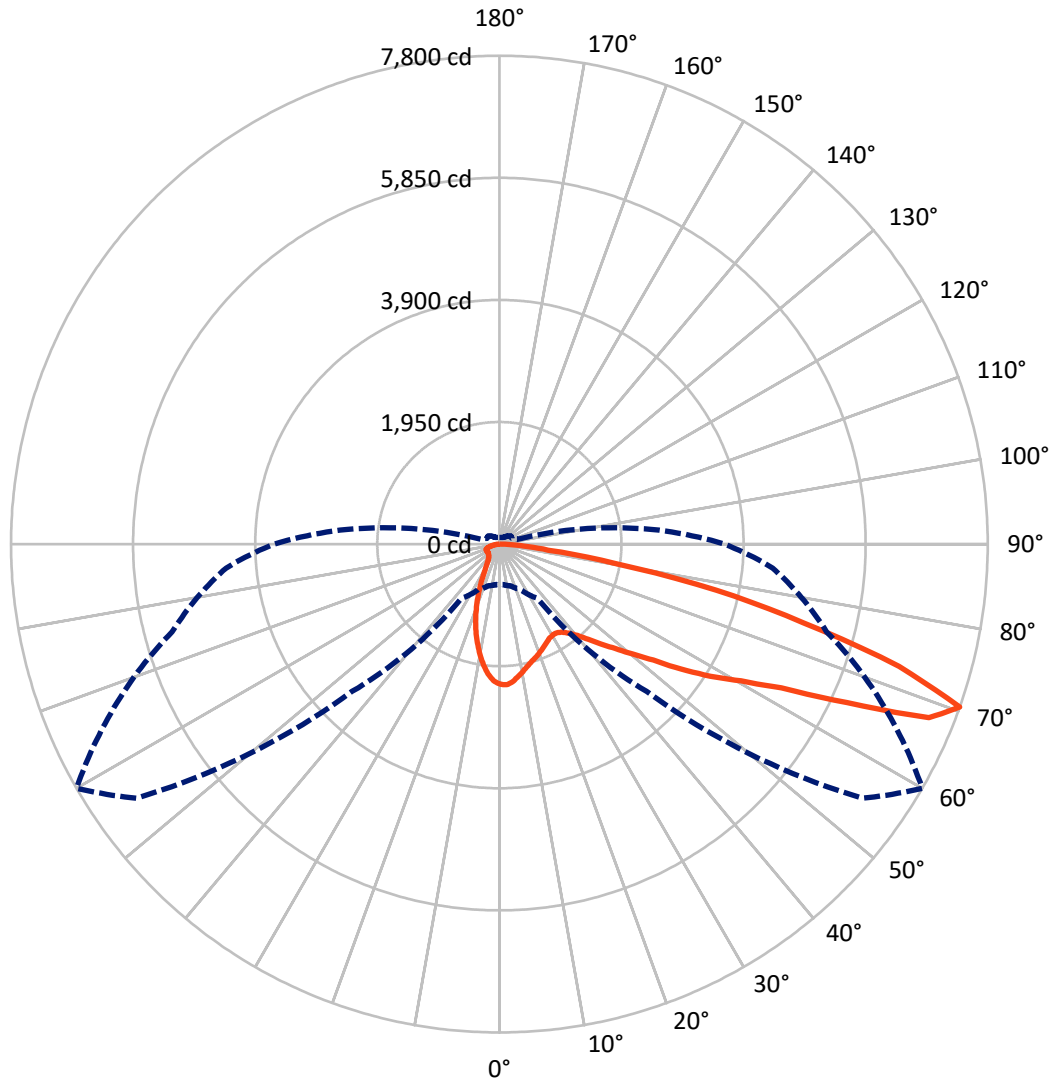
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.4 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	1384.6	0.0	1384.6
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	6711.5	0.0	6711.5
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	8096.1	0.0	8096.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.1	2.4
10°-20°	432.6	5.3
20°-30°	554.0	6.8
30°-40°	728.1	9.0
40°-50°	1056.4	13.0
50°-60°	1648.2	20.4
60°-70°	2157.9	26.7
70°-80°	1193.2	14.7
80°-90°	132.4	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°	8096.1	100.0
0°-180°	8096.1	100.0

**Coefficient of Utilization**



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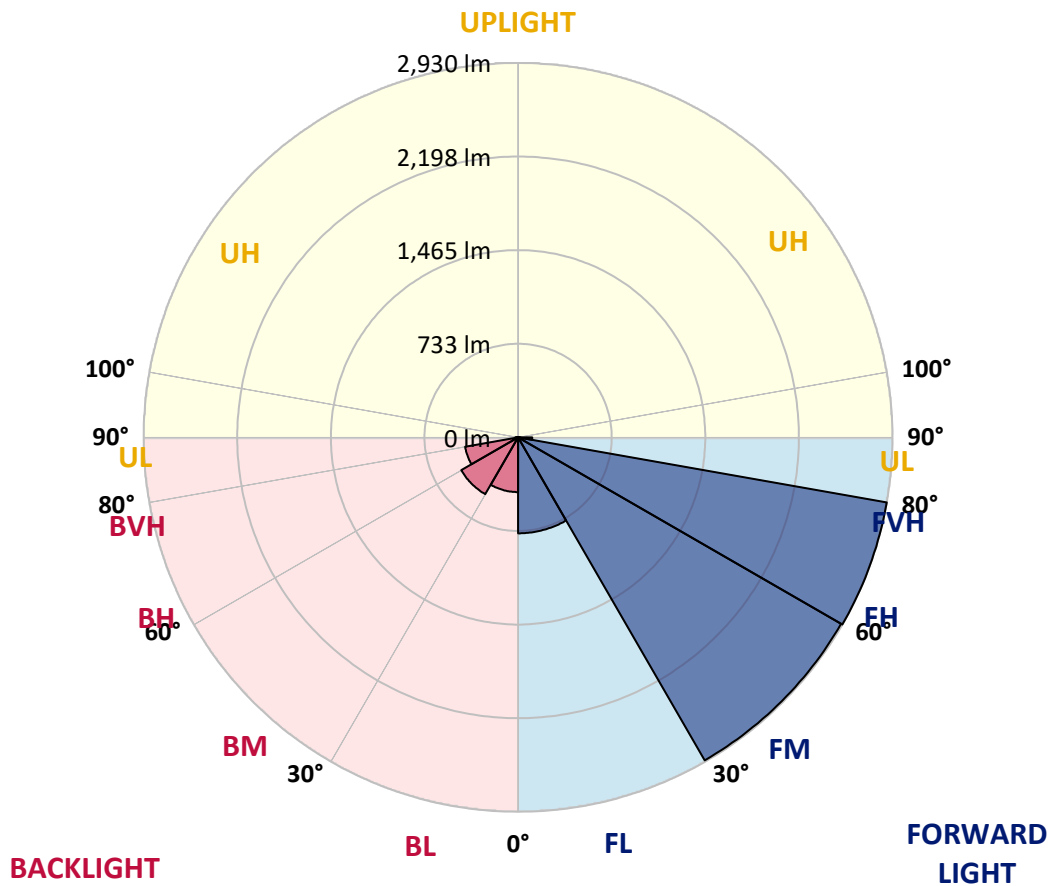
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.4	9.3			
FM (30°-60°)	2919.4	36.1			
FH (60°-80°)	2930.3	36.2			G2/5000
FVH (80°-90°)	110.3	1.4			G2/225
BL (0°-30°)	428.4	5.3	B1/500		
BM (30°-60°)	513.4	6.3	B1/1000		
BH (60°-80°)	420.8	5.2	B1/500		G1/500
BVH (80°-90°)	22.1	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°	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3
2.5°	2208.9	2211.3	2217.8	2227.3	2236.7	2241.5	2253.3	2249.8	2247.4	2242.7	2236.7
5°	2111.2	2115.9	2121.8	2140.2	2160.9	2177.5	2204.2	2207.1	2208.3	2210.7	2201.2
7.5°	1986.8	1988.0	2002.2	2026.5	2053.7	2082.1	2126.6	2139.0	2149.7	2161.5	2153.8
10°	1849.3	1852.3	1863.0	1897.9	1944.7	1986.8	2046.6	2067.3	2089.8	2115.9	2105.2
12.5°	1736.8	1737.4	1754.6	1791.9	1842.8	1899.7	1974.3	1999.2	2028.8	2069.7	2060.2
15°	1647.3	1647.3	1663.3	1695.3	1754.0	1820.9	1909.8	1941.7	1982.0	2037.1	2020.5
17.5°	1576.3	1576.9	1586.9	1620.7	1672.8	1746.9	1852.3	1895.5	1940.0	2012.8	1988.0
20°	1538.9	1536.0	1537.8	1558.5	1602.9	1674.6	1794.8	1845.2	1905.0	1996.2	1958.3
22.5°	1537.2	1531.8	1524.1	1525.9	1552.0	1611.2	1733.2	1794.3	1869.5	1982.6	1928.1
25°	1567.4	1561.5	1547.8	1532.4	1530.1	1565.6	1675.2	1744.5	1832.8	1976.7	1899.1
27.5°	1618.3	1614.2	1596.4	1573.3	1549.0	1547.8	1631.4	1703.6	1806.1	1982.6	1878.4
30°	1685.8	1678.7	1667.5	1637.9	1601.1	1563.2	1614.2	1681.7	1788.3	2001.6	1869.5
32.5°	1762.3	1758.1	1747.5	1717.8	1678.7	1618.3	1627.8	1686.4	1788.3	2034.7	1871.3
35°	1843.4	1842.8	1842.8	1823.3	1780.0	1704.8	1681.7	1726.7	1815.6	2088.1	1890.2
37.5°	1922.2	1921.6	1940.6	1947.7	1898.5	1817.4	1773.5	1807.3	1875.4	2166.8	1937.0
40°	1986.2	1988.5	2030.0	2065.6	2038.3	1963.1	1901.5	1918.6	1972.6	2278.8	2018.8
42.5°	2050.7	2057.3	2119.5	2182.2	2192.9	2127.7	2065.6	2075.6	2111.8	2426.9	2140.8
45°	2121.2	2124.2	2211.3	2298.9	2350.5	2312.0	2261.0	2274.7	2282.9	2609.9	2322.6
47.5°	2189.4	2197.1	2309.6	2429.9	2527.6	2524.0	2495.6	2491.5	2493.2	2832.7	2537.7
50°	2282.4	2293.6	2425.7	2570.8	2714.2	2779.9	2788.2	2756.8	2743.8	3080.3	2805.4
52.5°	2458.9	2458.9	2577.3	2720.1	2912.6	3075.5	3131.2	3079.7	3038.2	3342.1	3089.7
55°	2679.8	2689.3	2783.5	2899.0	3143.0	3386.5	3574.9	3518.0	3400.7	3627.0	3387.7
57.5°	2778.2	2790.0	2939.3	3118.8	3444.6	3740.1	4001.4	3981.2	3810.0	3923.2	3696.9
60°	2600.4	2625.3	2830.9	3131.8	3717.6	4310.6	4494.8	4436.2	4191.5	4234.2	4032.2
62.5°	2169.2	2196.5	2424.5	2844.5	3679.7	4927.2	5272.6	5056.4	4667.8	4626.9	4478.8
65°	1294.3	1293.1	1567.4	2124.2	3212.4	5098.4	6503.5	6100.1	5403.5	5165.9	4938.5
67.5°	822.8	821.0	878.5	1125.5	2137.8	4679.0	7294.9	7399.7	6402.8	5562.2	4976.4
70°	649.2	648.6	690.1	802.6	1057.4	3329.6	7074.5	7800.2	7006.4	5411.2	4381.7
72.5°	473.3	474.5	538.5	672.3	815.7	1671.6	5728.7	6674.1	6444.3	4776.8	3557.1
75°	340.0	341.8	380.3	514.8	752.3	914.0	3809.5	5018.5	4902.9	3829.0	2447.0
77.5°	216.2	218.6	252.3	360.7	607.8	738.1	2309.6	3542.9	3262.1	2157.4	870.2
80°	132.1	139.8	168.2	268.9	485.7	553.9	1154.5	1866.5	1633.7	591.8	292.6
82.5°	68.1	74.0	101.3	166.5	334.7	486.3	653.4	784.3	505.9	247.6	155.8
85°	21.3	24.9	35.5	67.5	159.3	301.5	432.4	389.8	232.2	116.7	72.3
87.5°	5.3	5.3	5.9	5.9	6.5	13.6	83.5	88.3	61.6	36.7	29.6
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°	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3	2240.3
2.5°	2224.9	2210.7	2204.8	2204.2	2189.4	2168.0	2153.8	2143.7	2137.8	2136.6	2136.6
5°	2185.2	2166.8	2142.6	2124.2	2084.5	2044.2	2010.5	1991.5	1969.6	1966.6	1966.0
7.5°	2132.5	2105.8	2059.6	2008.1	1938.8	1871.8	1815.0	1776.5	1738.0	1730.9	1728.5
10°	2075.6	2039.5	1960.7	1870.1	1766.4	1666.3	1579.2	1511.1	1466.1	1434.1	1428.2
12.5°	2019.3	1971.4	1855.9	1720.8	1578.6	1441.8	1310.9	1199.5	1119.0	1072.2	1063.9
15°	1966.6	1899.7	1741.5	1569.2	1384.3	1197.2	1011.7	867.2	754.1	713.8	704.3
17.5°	1918.6	1835.1	1630.8	1412.2	1181.8	937.1	726.2	597.7	531.3	511.2	506.5
20°	1870.7	1768.8	1518.2	1246.9	966.7	692.5	530.8	470.3	445.5	437.8	435.4
22.5°	1819.1	1695.9	1395.6	1084.0	749.3	518.3	434.2	407.5	399.8	400.4	399.8
25°	1767.6	1621.9	1267.1	906.9	558.0	420.6	379.1	369.0	370.8	376.1	377.3
27.5°	1724.9	1556.1	1140.9	712.6	436.0	361.9	342.4	341.8	348.3	355.4	356.6
30°	1694.1	1497.5	1016.5	547.9	359.0	321.7	313.9	317.5	325.2	330.5	332.3
32.5°	1672.2	1447.1	883.8	430.6	314.5	293.2	289.7	293.2	298.0	303.3	304.5
35°	1664.5	1410.4	753.5	351.3	284.3	272.5	270.1	271.9	274.3	277.2	278.4
37.5°	1681.7	1392.0	617.2	305.7	266.0	258.9	255.3	254.1	254.7	255.9	256.5
40°	1732.6	1400.3	505.9	279.0	254.1	247.6	241.7	239.3	238.7	239.9	239.3
42.5°	1820.3	1435.3	425.3	263.6	244.6	235.2	228.6	226.3	226.3	229.2	229.2
45°	1948.9	1504.0	367.3	252.3	236.4	224.5	217.4	216.2	218.6	223.3	223.9
47.5°	2137.2	1604.7	332.3	244.1	228.6	215.0	207.9	207.3	212.1	219.8	220.4
50°	2360.5	1749.8	313.4	238.1	223.3	207.3	200.2	200.8	206.1	214.4	216.2
52.5°	2629.5	1947.7	314.5	235.8	220.4	202.6	195.5	194.3	199.6	207.9	209.7
55°	2907.3	2188.2	337.6	236.4	216.2	200.2	190.7	186.6	191.3	197.3	197.8
57.5°	3212.9	2459.5	395.1	235.2	210.9	197.8	186.6	177.1	180.1	183.6	185.4
60°	3557.7	2778.7	518.9	237.5	208.5	192.5	178.3	165.9	165.3	167.6	168.2
62.5°	4018.6	3212.9	658.1	241.7	213.8	186.0	165.9	152.8	150.5	151.6	152.2
65°	4371.0	3420.3	614.3	238.1	225.1	181.3	154.0	140.4	135.6	134.5	134.5
67.5°	4227.7	3146.0	427.7	228.6	230.4	181.9	144.5	127.4	121.4	118.5	117.9
70°	3597.4	2555.4	297.4	219.2	224.5	180.7	134.5	116.7	109.0	104.8	104.3
72.5°	2842.1	1951.2	240.5	200.2	203.8	162.9	119.7	104.8	98.3	93.0	93.0
75°	1829.2	1190.6	200.8	178.3	166.5	126.8	103.7	93.6	87.1	81.7	81.7
77.5°	615.5	441.9	155.8	151.1	124.4	95.4	87.1	80.6	75.2	70.5	69.9
80°	250.0	209.7	114.3	114.3	87.1	72.9	68.1	65.2	61.6	55.7	55.7
82.5°	145.1	127.4	80.0	69.3	58.1	50.4	47.4	44.4	44.4	40.3	40.3
85°	69.9	70.5	48.0	42.6	33.2	29.0	27.8	26.1	25.5	23.1	22.5
87.5°	37.9	38.5	24.3	19.0	13.0	11.3	9.5	8.9	8.3	7.7	7.7
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)