

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: P634402

Luminaire Tested: GWS-SA3B-760-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634402  
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-SA3B-760-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

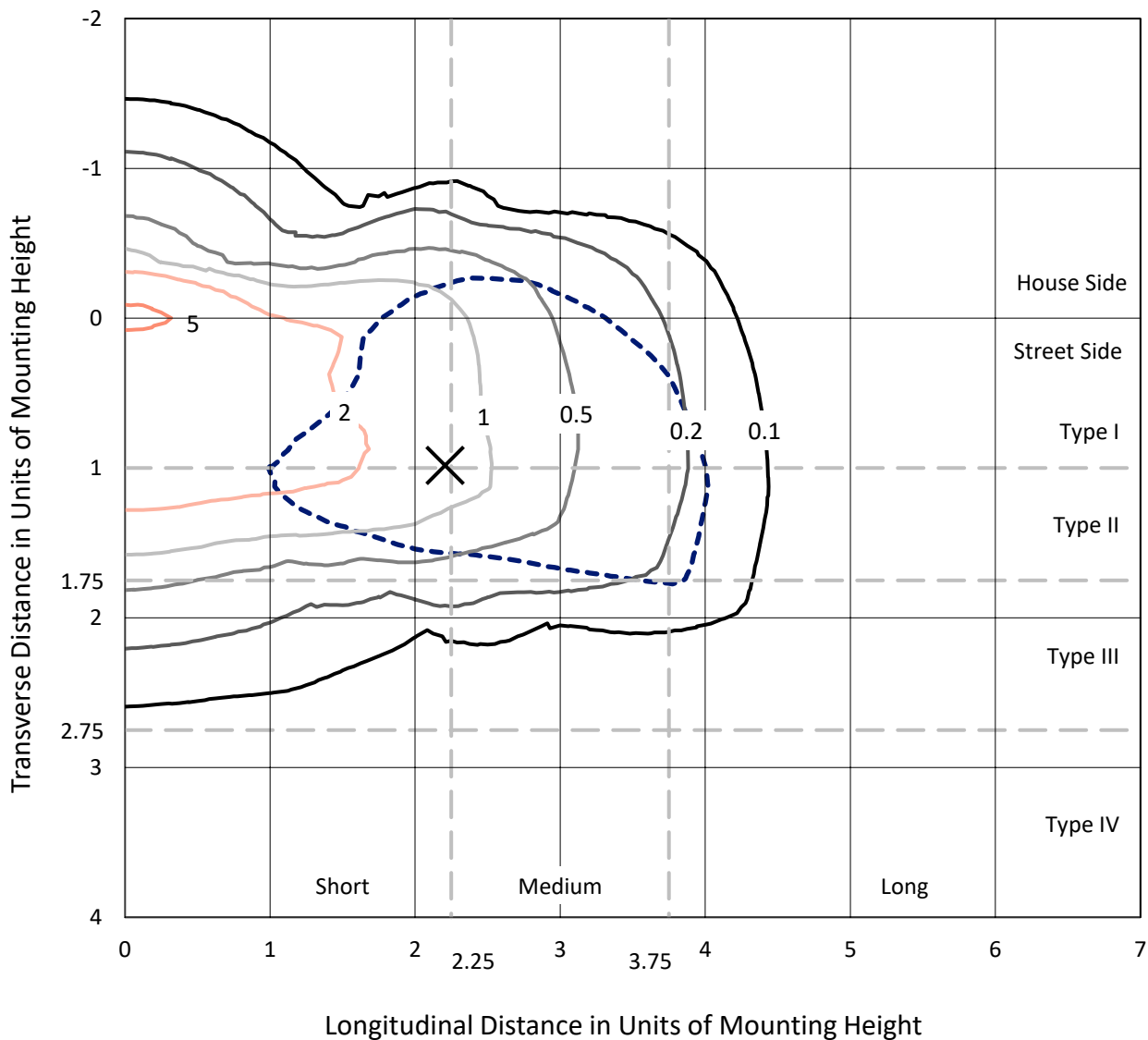
Lumens per Lamp: N/A  
Luminaire Lumens: 10312.3 lumens  
Efficiency: N/A  
Efficacy: 151.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

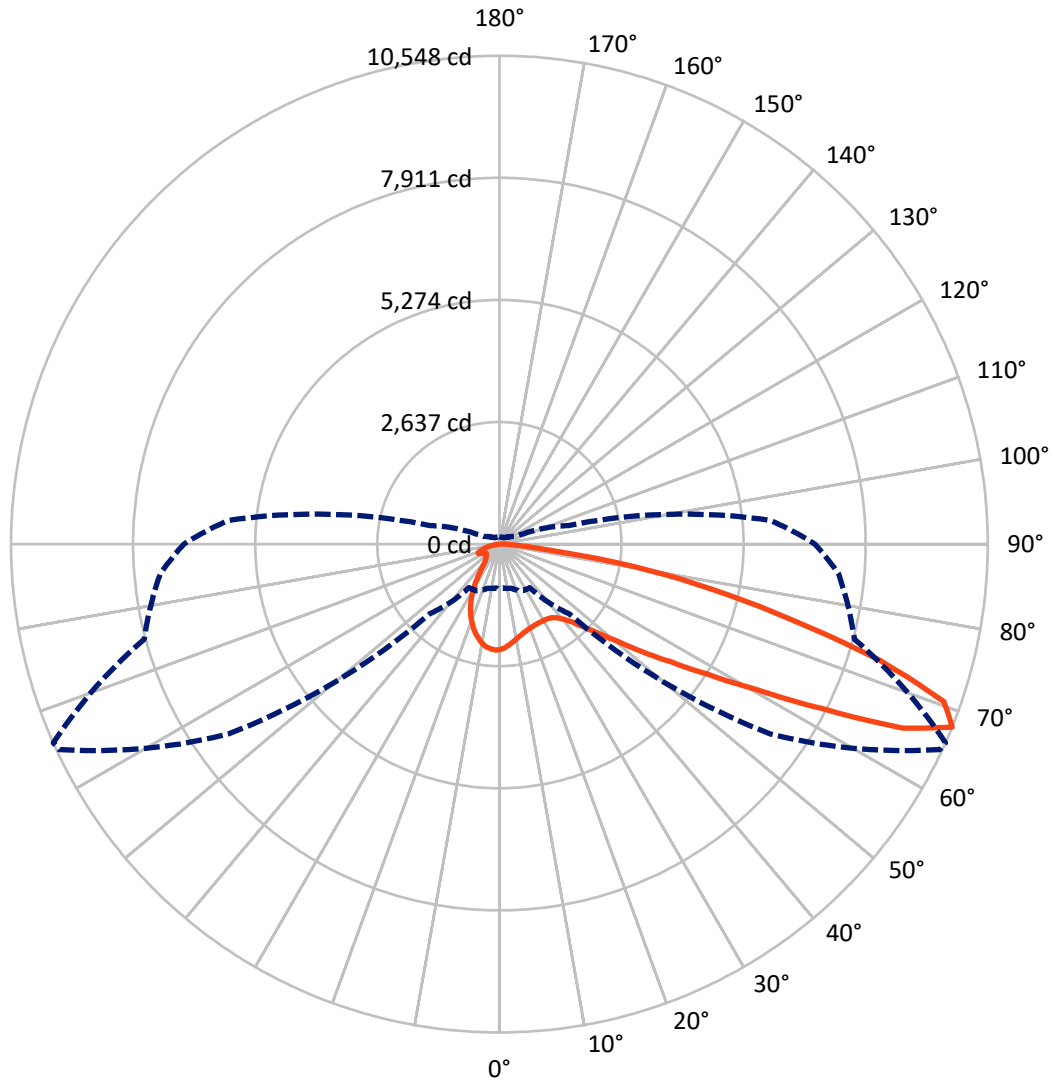
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	2092.6	0.0	2092.6
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	8219.7	0.0	8219.7
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	10312.3	0.0	10312.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.0	1.9
10°-20°	491.5	4.8
20°-30°	675.6	6.6
30°-40°	923.6	9.0
40°-50°	1399.5	13.6
50°-60°	2175.6	21.1
60°-70°	2648.7	25.7
70°-80°	1613.5	15.6
80°-90°	184.3	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°	10312.3	100.0
0°-180°	10312.3	100.0

**Coefficient of Utilization**



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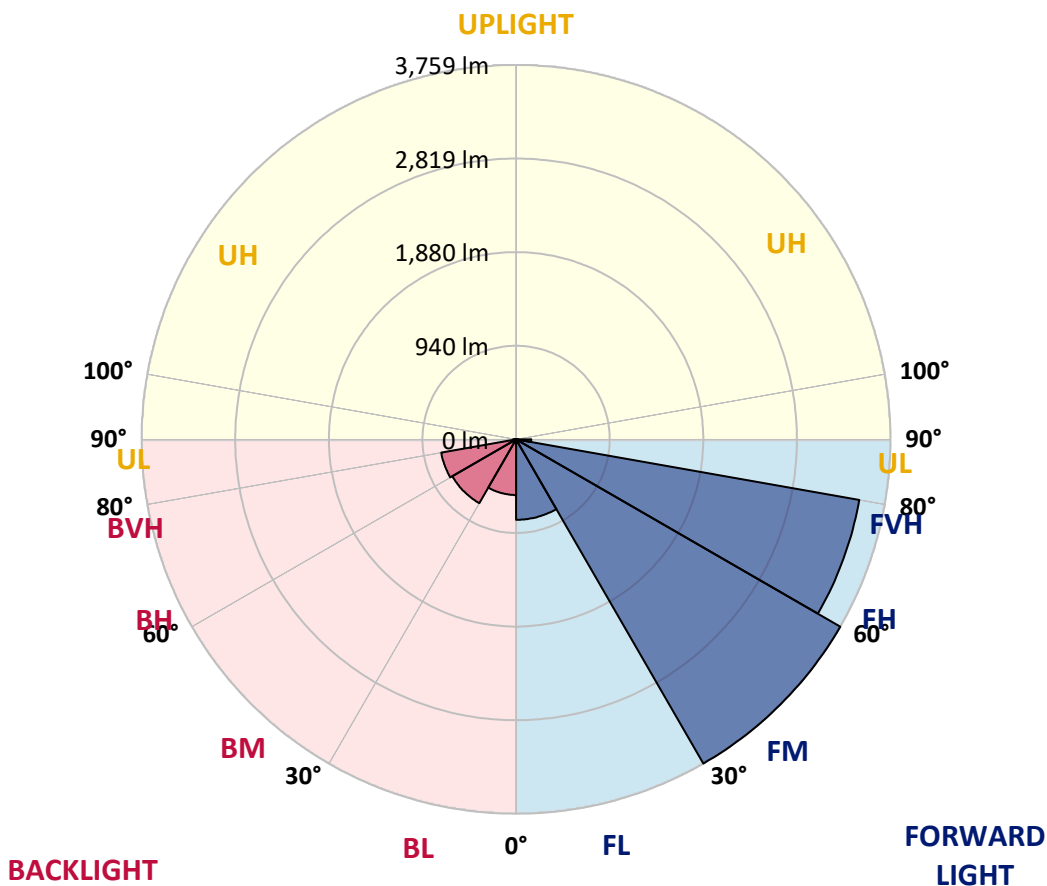
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.0	7.8			
FM (30°-60°)	3759.2	36.5			
FH (60°-80°)	3499.2	33.9			G2/5000
FVH (80°-90°)	153.2	1.5			G2/225
BL (0°-30°)	559.0	5.4	B2/1000		
BM (30°-60°)	739.5	7.2	B1/1000		
BH (60°-80°)	763.0	7.4	B2/1000		G2/1000
BVH (80°-90°)	31.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2134.3	2141.8	2137.3	2165.9	2167.4	2203.5	2223.8	2241.1	2242.6	2265.2	2280.2
5°	1988.3	1992.9	1992.9	2019.9	2038.0	2086.1	2132.8	2182.4	2186.2	2240.4	2281.7
7.5°	1870.2	1874.7	1871.7	1907.8	1931.2	1984.6	2044.0	2120.0	2127.5	2214.8	2287.0
10°	1777.7	1776.2	1783.7	1816.8	1846.9	1910.8	1977.1	2063.6	2074.9	2185.4	2293.0
12.5°	1714.5	1716.0	1720.5	1755.1	1787.5	1850.7	1919.1	2013.2	2025.2	2151.6	2290.0
15°	1684.4	1681.4	1685.2	1716.8	1747.6	1803.3	1874.0	1971.0	1983.1	2121.5	2290.8
17.5°	1677.6	1675.4	1674.6	1697.2	1720.5	1772.4	1840.1	1938.7	1951.5	2101.9	2295.3
20°	1698.7	1695.7	1687.4	1697.2	1707.0	1750.6	1816.1	1915.4	1929.7	2089.1	2304.3
22.5°	1756.6	1751.4	1738.6	1726.5	1713.7	1740.1	1801.0	1898.1	1912.4	2080.9	2313.3
25°	1844.6	1840.1	1826.6	1799.5	1752.9	1748.4	1798.0	1890.5	1904.8	2074.9	2317.1
27.5°	1965.8	1959.0	1945.5	1906.3	1830.4	1779.2	1809.3	1889.8	1903.3	2068.1	2313.3
30°	2109.5	2104.9	2097.4	2050.0	1948.5	1844.6	1834.9	1895.8	1906.3	2064.3	2305.8
32.5°	2255.4	2250.9	2256.9	2234.3	2109.5	1953.0	1890.5	1912.4	1919.9	2063.6	2299.0
35°	2384.0	2389.3	2432.9	2436.7	2314.1	2099.7	1978.6	1950.7	1952.2	2078.6	2302.0
37.5°	2518.7	2539.0	2596.2	2645.1	2542.8	2293.8	2109.5	2022.9	2021.4	2117.0	2320.9
40°	2697.0	2706.0	2779.0	2870.8	2806.8	2560.1	2295.3	2141.1	2130.5	2195.2	2371.3
42.5°	2870.8	2892.6	3009.2	3114.5	3093.5	2860.3	2529.2	2317.8	2299.0	2333.6	2475.1
45°	3092.0	3113.0	3243.9	3379.3	3417.7	3199.5	2828.7	2569.1	2550.3	2542.0	2665.4
47.5°	3313.1	3335.0	3452.3	3647.9	3782.6	3623.8	3218.4	2900.9	2870.0	2837.7	2952.8
50°	3462.1	3487.7	3599.8	3834.5	4150.5	4153.5	3680.3	3335.7	3296.6	3245.4	3357.5
52.5°	3456.8	3473.4	3580.2	3851.0	4415.3	4762.1	4298.7	3889.4	3857.8	3746.5	3844.3
55°	3185.3	3210.1	3317.7	3656.2	4443.9	5339.1	5207.4	4542.4	4486.0	4286.6	4394.2
57.5°	2639.8	2660.9	2769.2	3186.8	4190.3	5634.7	6361.5	5374.5	5297.0	4874.9	4999.1
60°	1992.9	1967.3	2018.4	2384.0	3584.0	5642.3	7380.1	6502.9	6373.5	5503.8	5607.7
62.5°	1495.6	1470.0	1481.3	1584.3	2429.9	5186.4	7960.9	8046.6	7833.0	6214.0	6193.7
65°	1181.9	1167.6	1199.9	1270.6	1416.6	3949.6	7965.4	9716.0	9581.3	7037.0	6794.8
67.5°	962.9	953.9	987.0	1117.9	1148.8	2122.2	7142.4	10495.4	10548.0	7938.3	7352.3
70°	775.6	762.1	814.0	986.3	1068.3	1284.2	5116.4	10098.2	10183.2	8475.4	7195.0
72.5°	535.6	536.4	562.7	798.9	1031.4	1108.9	2894.1	8408.5	8592.8	7988.7	6325.4
75°	361.1	364.1	371.6	527.4	950.2	1075.8	1542.2	6366.0	6496.1	6603.0	5228.5
77.5°	218.2	219.7	237.0	319.0	655.3	1004.3	1044.9	4614.6	4716.9	4352.8	3240.9
80°	126.4	131.7	147.5	213.7	442.4	754.6	808.7	2829.4	2945.3	1934.9	1029.9
82.5°	55.7	59.4	80.5	124.1	258.0	641.7	631.2	1117.9	1101.4	539.4	357.3
85°	9.8	12.0	17.3	39.1	94.8	338.5	489.7	493.5	464.2	204.6	148.2
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	73.7	132.4	131.7	57.9	51.2
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°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2290.0	2269.7	2287.8	2290.0	2286.2	2283.2	2260.7	2241.1	2238.9	2217.8	2217.8
5°	2298.3	2279.5	2288.5	2271.2	2244.1	2216.3	2168.1	2135.0	2120.0	2092.9	2092.9
7.5°	2309.6	2290.0	2279.5	2236.6	2173.4	2112.5	2035.0	1970.3	1944.0	1905.6	1904.1
10°	2320.1	2295.3	2259.2	2175.7	2074.9	1977.8	1865.0	1773.2	1710.7	1664.8	1664.8
12.5°	2319.3	2287.0	2215.5	2092.2	1953.0	1812.3	1661.8	1523.4	1440.7	1369.2	1364.7
15°	2317.8	2273.5	2159.9	1995.1	1810.8	1615.9	1411.3	1230.8	1108.1	1038.2	1032.2
17.5°	2316.3	2256.2	2097.4	1884.5	1637.8	1372.2	1102.1	906.5	804.2	761.3	762.8
20°	2316.3	2236.6	2030.5	1757.4	1438.4	1080.3	808.7	666.5	641.0	643.2	645.5
22.5°	2309.6	2212.5	1956.0	1619.0	1216.5	794.4	596.6	548.4	562.0	583.0	586.0
25°	2293.8	2172.7	1869.5	1465.5	952.4	578.5	486.7	477.7	502.5	528.9	536.4
27.5°	2268.9	2126.8	1772.4	1285.7	701.1	464.9	428.1	427.3	446.9	466.4	473.2
30°	2242.6	2075.6	1670.1	1085.6	507.8	404.7	390.4	390.4	400.2	412.3	410.8
32.5°	2211.8	2023.7	1560.3	877.2	413.8	370.9	366.4	364.1	365.6	370.1	370.1
35°	2185.4	1977.8	1447.4	656.8	370.9	352.1	347.6	342.3	340.0	337.0	338.5
37.5°	2175.7	1941.7	1330.8	495.0	349.8	338.5	331.0	323.5	318.2	316.7	316.0
40°	2191.5	1926.6	1214.2	407.7	334.8	324.2	316.0	306.2	301.7	301.7	301.7
42.5°	2253.1	1937.9	1095.4	368.6	324.2	312.2	300.2	291.1	289.6	291.1	291.9
45°	2366.0	1981.6	972.0	349.1	315.2	300.2	285.9	279.1	279.1	280.6	280.6
47.5°	2567.6	2095.9	850.1	337.0	306.2	290.4	275.3	268.6	267.8	269.3	269.3
50°	2916.7	2302.0	740.3	328.8	299.4	282.9	267.8	258.8	256.5	255.8	255.8
52.5°	3356.8	2659.4	670.3	322.7	291.1	274.6	259.5	247.5	243.0	240.7	240.7
55°	3888.7	3135.6	670.3	318.2	280.6	264.8	247.5	235.5	228.7	225.7	225.7
57.5°	4491.2	3690.0	786.2	314.5	272.3	253.5	234.7	222.7	215.2	210.6	210.6
60°	5104.4	4276.1	1072.8	309.2	264.8	239.2	220.4	209.1	199.4	194.1	193.3
62.5°	5740.1	4921.6	1450.4	312.2	259.5	225.7	205.4	192.6	184.3	179.0	178.3
65°	6322.4	5536.2	1780.7	335.5	260.3	213.7	188.1	176.8	170.0	163.2	162.5
67.5°	6816.6	5875.5	1549.0	382.9	276.1	199.4	170.8	159.5	153.5	149.0	148.2
70°	6470.6	5357.9	878.7	412.3	297.9	184.3	151.2	143.7	137.7	134.7	133.9
72.5°	5533.2	4536.4	587.5	364.1	271.6	164.8	133.2	127.1	122.6	118.9	118.1
75°	4482.2	3597.5	449.1	298.7	211.4	133.9	114.4	109.8	105.3	101.6	100.8
77.5°	2651.9	2078.6	331.0	236.2	149.0	104.6	94.8	91.0	86.5	83.5	82.8
80°	846.3	722.2	209.9	162.5	98.6	80.5	73.0	70.0	65.5	61.7	60.9
82.5°	322.7	279.1	111.3	82.8	65.5	54.9	48.9	45.9	42.9	39.1	38.4
85°	142.9	133.9	61.7	44.4	35.4	27.1	24.1	22.6	18.8	15.8	15.0
87.5°	50.4	50.4	26.3	12.8	7.5	3.8	2.3	0.8	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)