

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: P639052

Luminaire Tested: GWS-SA5B-722-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-722-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

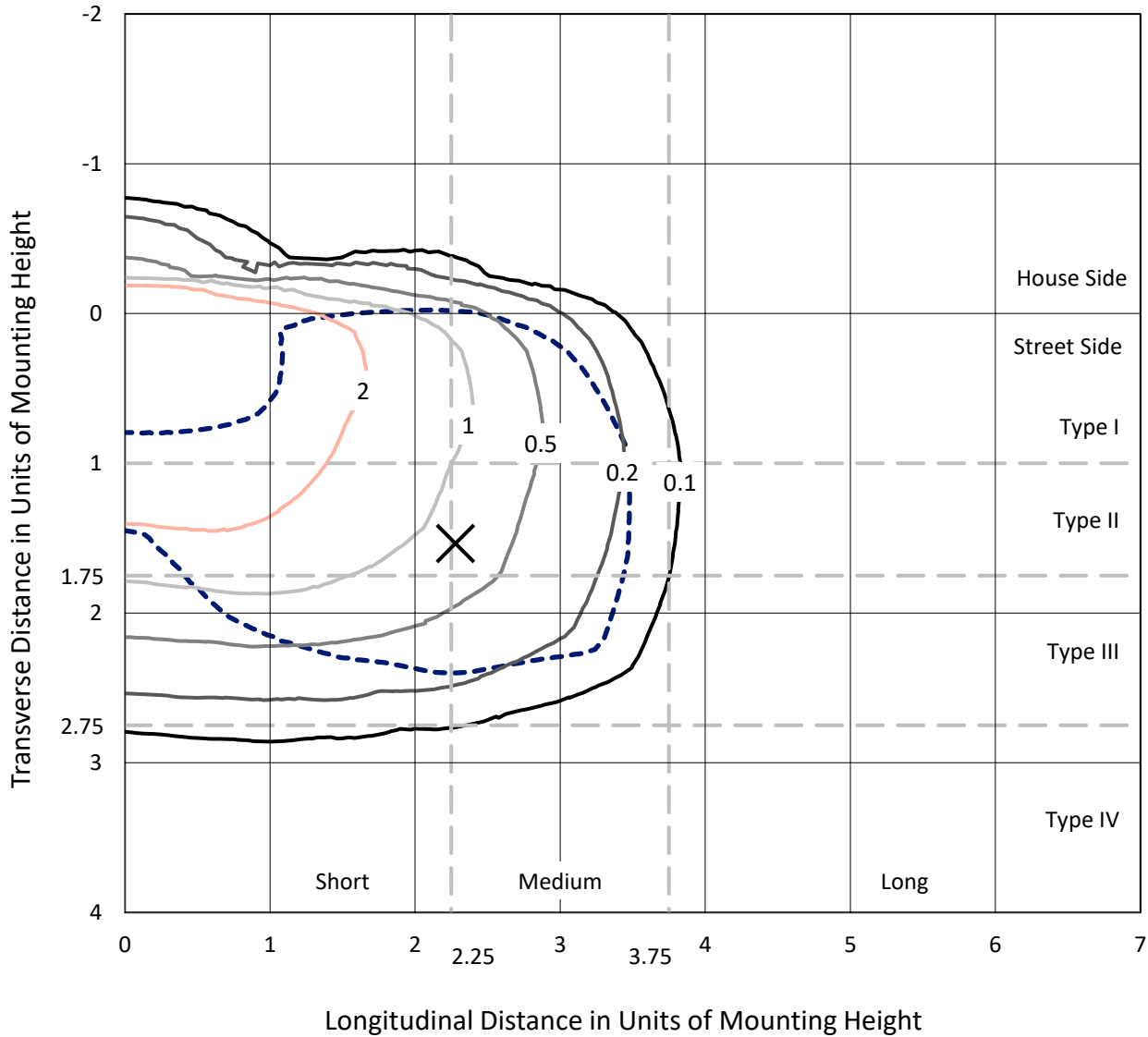
Lumens per Lamp: N/A  
Luminaire Lumens: 10238.4 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P639052  
 CATALOG NUMBER: GWS-SA5B-722-U-T3R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

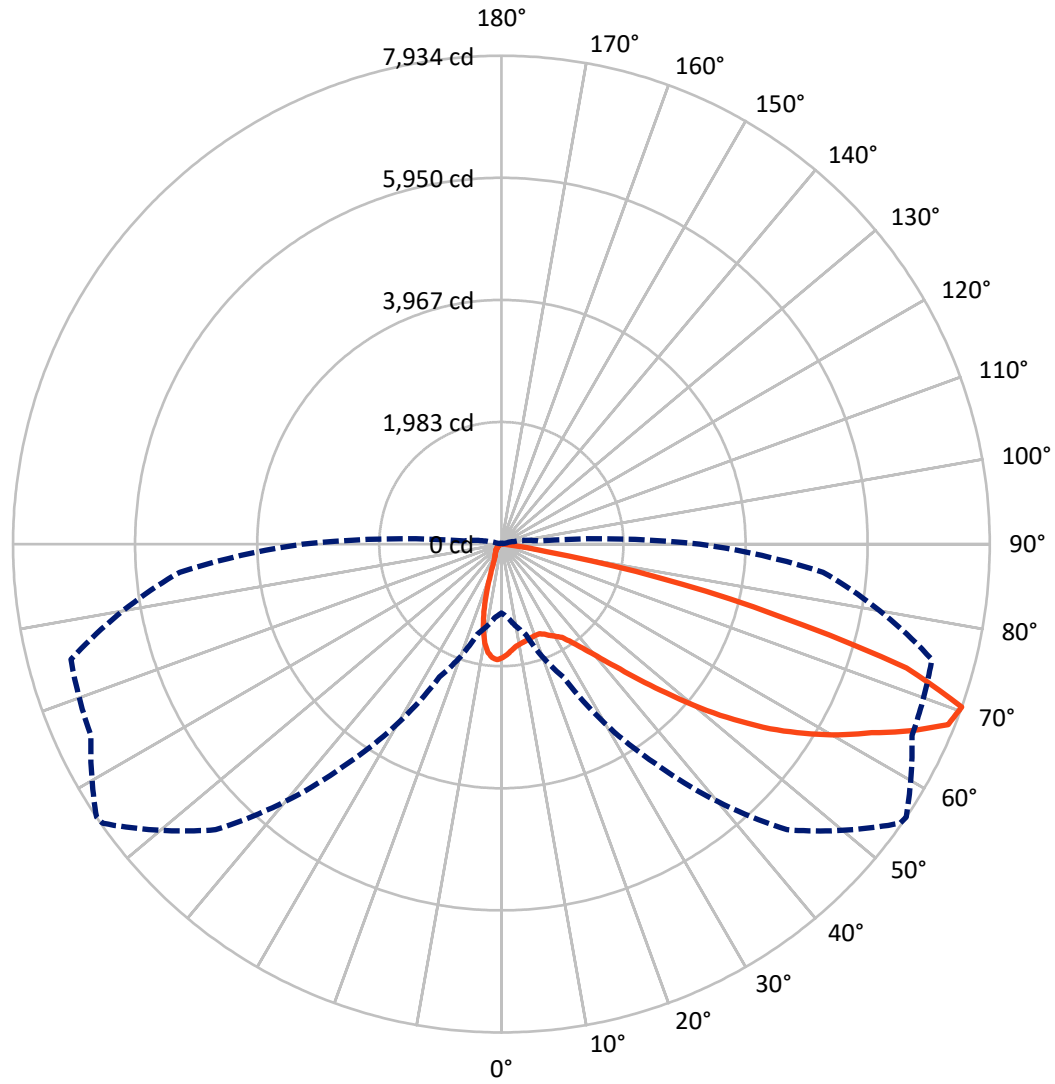
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P639052  
CATALOG NUMBER: GWS-SA5B-722-U-T3R-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P639052  
 CATALOG NUMBER: GWS-SA5B-722-U-T3R-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	919.6	0.0	919.6
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	9318.8	0.0	9318.8
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	10238.4	0.0	10238.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.5	1.5
10°-20°	356.5	3.5
20°-30°	564.7	5.5
30°-40°	973.8	9.5
40°-50°	1644.4	16.1
50°-60°	2416.2	23.6
60°-70°	2864.5	28.0
70°-80°	1221.5	11.9
80°-90°	38.4	0.4
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°	10238.4	100.0
0°-180°	10238.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639052

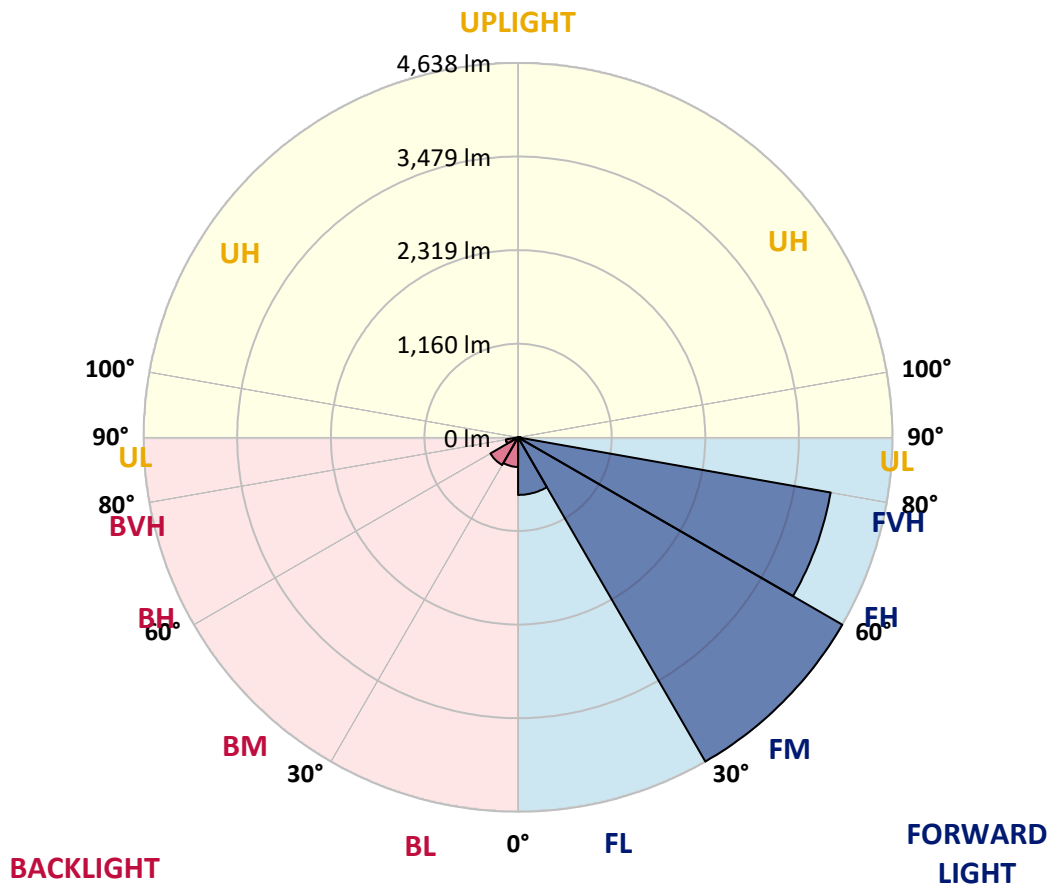
CATALOG NUMBER: GWS-SA5B-722-U-T3R-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.4	7.0			
FM (30°-60°)	4638.3	45.3			
FH (60°-80°)	3932.6	38.4			G2/5000
FVH (80°-90°)	34.5	0.3			G1/100
BL (0°-30°)	366.2	3.6	B1/500		
BM (30°-60°)	396.1	3.9	B1/1000		
BH (60°-80°)	153.4	1.5	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
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





REPORT NUMBER: P639052

CATALOG NUMBER: GWS-SA5B-722-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1
2.5°	1718.6	1715.8	1717.6	1731.7	1758.0	1770.1	1790.8	1794.5	1811.4	1833.0	1841.4
5°	1607.0	1597.6	1602.3	1622.0	1652.0	1685.8	1724.2	1734.5	1776.7	1824.5	1860.2
7.5°	1504.8	1494.5	1505.7	1536.7	1578.9	1615.4	1672.6	1679.2	1746.7	1831.1	1895.8
10°	1344.5	1347.3	1369.8	1424.2	1488.9	1564.8	1641.7	1651.1	1734.5	1852.6	1953.0
12.5°	1221.7	1215.1	1239.5	1301.4	1392.3	1502.9	1618.3	1630.4	1735.5	1885.5	2026.1
15°	1164.5	1162.6	1172.9	1217.9	1306.0	1436.4	1596.7	1612.6	1747.6	1915.5	2095.5
17.5°	1166.3	1163.5	1162.6	1188.8	1254.5	1386.7	1573.3	1593.9	1758.0	1948.3	2168.6
20°	1247.9	1234.8	1211.3	1199.2	1238.5	1354.8	1557.3	1580.8	1773.0	1983.0	2246.4
22.5°	1418.6	1423.2	1360.4	1294.8	1276.0	1358.5	1555.4	1582.6	1805.8	2037.4	2342.1
25°	1759.8	1752.3	1636.1	1488.9	1386.7	1401.7	1588.3	1621.1	1870.5	2115.2	2432.1
27.5°	2187.4	2193.9	2034.5	1800.1	1586.4	1490.7	1648.3	1681.1	1945.5	2163.9	2492.1
30°	2653.3	2646.8	2476.1	2216.4	1869.5	1638.9	1708.3	1737.3	1983.0	2190.2	2554.0
32.5°	3094.0	3079.0	2910.2	2638.3	2230.5	1872.3	1790.8	1807.6	2032.7	2247.4	2637.4
35°	3470.0	3469.0	3321.8	3032.1	2601.8	2164.9	1932.3	1946.4	2125.5	2338.3	2760.2
37.5°	3858.1	3845.0	3680.0	3415.6	2983.4	2485.5	2148.9	2143.3	2271.7	2472.4	2911.2
40°	4176.9	4168.5	4041.9	3787.8	3380.0	2839.9	2411.4	2394.6	2445.2	2658.0	3121.2
42.5°	4413.2	4414.1	4374.7	4220.0	3800.0	3249.6	2741.5	2715.2	2714.3	2938.4	3398.7
45°	4592.2	4604.4	4663.5	4640.1	4296.0	3726.9	3164.3	3137.1	3091.2	3302.1	3716.6
47.5°	4675.7	4691.6	4869.8	4963.5	4730.1	4200.3	3667.8	3610.6	3520.6	3785.9	4071.9
50°	4667.3	4695.4	4943.8	5228.9	5123.9	4680.4	4216.3	4189.1	4041.9	4297.8	4423.5
52.5°	4476.0	4536.0	4948.5	5390.1	5426.7	5122.9	4783.5	4732.9	4661.6	4832.3	4753.5
55°	3956.6	4029.7	4750.7	5441.7	5663.0	5509.2	5338.6	5297.3	5179.2	5336.7	5041.3
57.5°	3674.4	3737.2	4334.4	5416.4	5863.6	5866.4	5832.7	5798.9	5701.4	5835.5	5378.9
60°	3504.7	3567.5	4112.2	5323.6	6045.5	6243.3	6296.8	6293.0	6152.4	6402.7	5774.5
62.5°	3256.2	3342.5	3880.6	5082.6	6174.9	6614.6	6775.9	6750.5	6594.0	6993.4	6166.4
65°	2754.6	2829.6	3406.2	4685.1	6098.9	6922.1	7295.3	7308.4	7127.5	7549.4	6475.8
67.5°	1931.4	1986.7	2559.6	3850.6	5583.3	7023.4	7826.9	7825.9	7517.5	7834.4	6338.9
70°	1119.5	1195.4	1512.3	2380.5	4343.8	6563.0	7906.6	7933.8	7359.0	7239.0	5245.7
72.5°	433.2	496.0	856.9	1264.8	2265.2	5027.3	6801.2	6880.9	6158.9	5584.2	3650.9
75°	129.4	144.4	403.2	673.2	909.4	2428.3	4604.4	4626.9	4224.7	3483.1	1871.4
77.5°	96.6	106.9	176.3	340.3	318.8	736.0	2382.4	2601.8	2242.7	1244.2	515.7
80°	65.6	77.8	125.6	166.0	118.1	196.0	669.4	735.1	684.4	279.4	129.4
82.5°	29.1	37.5	89.1	83.4	43.1	56.3	206.3	219.4	141.6	84.4	45.0
85°	2.8	3.8	33.8	36.6	15.9	13.1	43.1	43.1	30.9	29.1	18.8
87.5°	0.0	0.0	0.9	1.9	1.9	2.8	3.8	4.7	5.6	7.5	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639052

CATALOG NUMBER: GWS-SA5B-722-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1	1846.1
2.5°	1863.0	1851.7	1865.8	1877.0	1879.8	1859.2	1847.0	1829.2	1825.5	1826.4	1821.7
5°	1888.3	1882.7	1893.0	1880.8	1848.9	1788.9	1737.3	1680.1	1649.2	1631.4	1629.5
7.5°	1935.2	1932.3	1921.1	1865.8	1766.4	1633.3	1504.8	1379.2	1301.4	1273.2	1268.5
10°	2004.5	1998.9	1953.0	1821.7	1609.8	1353.9	1138.2	958.2	848.5	816.6	777.3
12.5°	2084.2	2073.0	1972.7	1727.0	1373.5	1019.1	750.1	548.5	453.8	425.7	425.7
15°	2161.1	2136.7	1961.4	1570.4	1082.9	662.9	419.1	316.9	287.8	280.3	280.3
17.5°	2239.9	2193.0	1917.3	1356.7	748.2	391.9	279.4	259.7	256.0	256.9	257.8
20°	2313.9	2240.8	1839.5	1099.8	477.2	273.8	250.3	245.6	243.8	245.6	244.7
22.5°	2394.6	2284.9	1721.4	819.4	310.3	246.6	238.1	234.4	232.5	235.3	235.3
25°	2474.3	2316.7	1564.8	551.3	246.6	229.7	225.0	221.3	219.4	220.3	220.3
27.5°	2515.5	2304.6	1359.5	351.6	221.3	212.8	208.1	203.5	200.6	199.7	200.6
30°	2543.6	2267.1	1108.2	250.3	200.6	190.3	185.6	181.9	174.4	169.7	171.6
32.5°	2587.7	2229.6	835.4	210.0	183.8	167.8	160.3	150.9	140.6	135.9	135.9
35°	2640.2	2178.0	586.0	189.4	166.0	149.1	135.0	119.1	106.9	103.1	103.1
37.5°	2709.6	2129.2	390.0	175.3	150.9	133.1	113.4	94.7	81.6	79.7	78.8
40°	2813.7	2088.0	274.7	165.0	137.8	116.3	92.8	73.1	63.8	60.9	60.9
42.5°	2948.7	2045.8	217.5	154.7	126.6	100.3	74.1	58.1	50.6	48.8	47.8
45°	3115.6	1996.1	189.4	145.3	115.3	83.4	59.1	48.8	43.1	41.3	41.3
47.5°	3296.5	1928.6	176.3	133.1	102.2	67.5	49.7	42.2	39.4	38.4	37.5
50°	3474.7	1837.6	165.0	121.9	87.2	55.3	43.1	38.4	36.6	35.6	35.6
52.5°	3630.3	1731.7	150.9	108.8	71.3	47.8	38.4	35.6	33.8	31.9	30.9
55°	3763.4	1616.4	133.1	93.8	58.1	42.2	35.6	32.8	30.9	29.1	28.1
57.5°	3935.0	1550.8	106.9	75.9	47.8	37.5	32.8	30.0	28.1	25.3	25.3
60°	4125.3	1502.9	79.7	60.0	41.3	34.7	30.0	27.2	25.3	22.5	22.5
62.5°	4278.2	1431.7	62.8	48.8	35.6	30.9	27.2	24.4	22.5	19.7	19.7
65°	4336.3	1284.5	51.6	38.4	29.1	27.2	24.4	22.5	19.7	16.9	16.9
67.5°	4073.8	990.1	43.1	30.9	24.4	23.4	21.6	20.6	16.9	15.0	14.1
70°	3226.2	603.8	35.6	25.3	20.6	19.7	19.7	17.8	15.0	14.1	13.1
72.5°	2210.8	311.3	29.1	20.6	17.8	17.8	16.9	15.9	14.1	13.1	13.1
75°	1148.5	104.1	22.5	15.9	14.1	15.0	15.0	14.1	13.1	13.1	12.2
77.5°	329.1	46.9	16.9	12.2	11.3	11.3	12.2	12.2	12.2	11.3	11.3
80°	85.3	27.2	12.2	9.4	9.4	9.4	9.4	10.3	11.3	10.3	10.3
82.5°	34.7	15.0	8.4	7.5	7.5	7.5	7.5	8.4	9.4	9.4	9.4
85°	21.6	7.5	6.6	6.6	6.6	5.6	5.6	6.6	6.6	7.5	7.5
87.5°	13.1	5.6	5.6	5.6	5.6	4.7	4.7	4.7	4.7	4.7	4.7
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)