

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: P632947

Luminaire Tested: GWS-SA2D-760-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632947  
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-SA2D-760-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

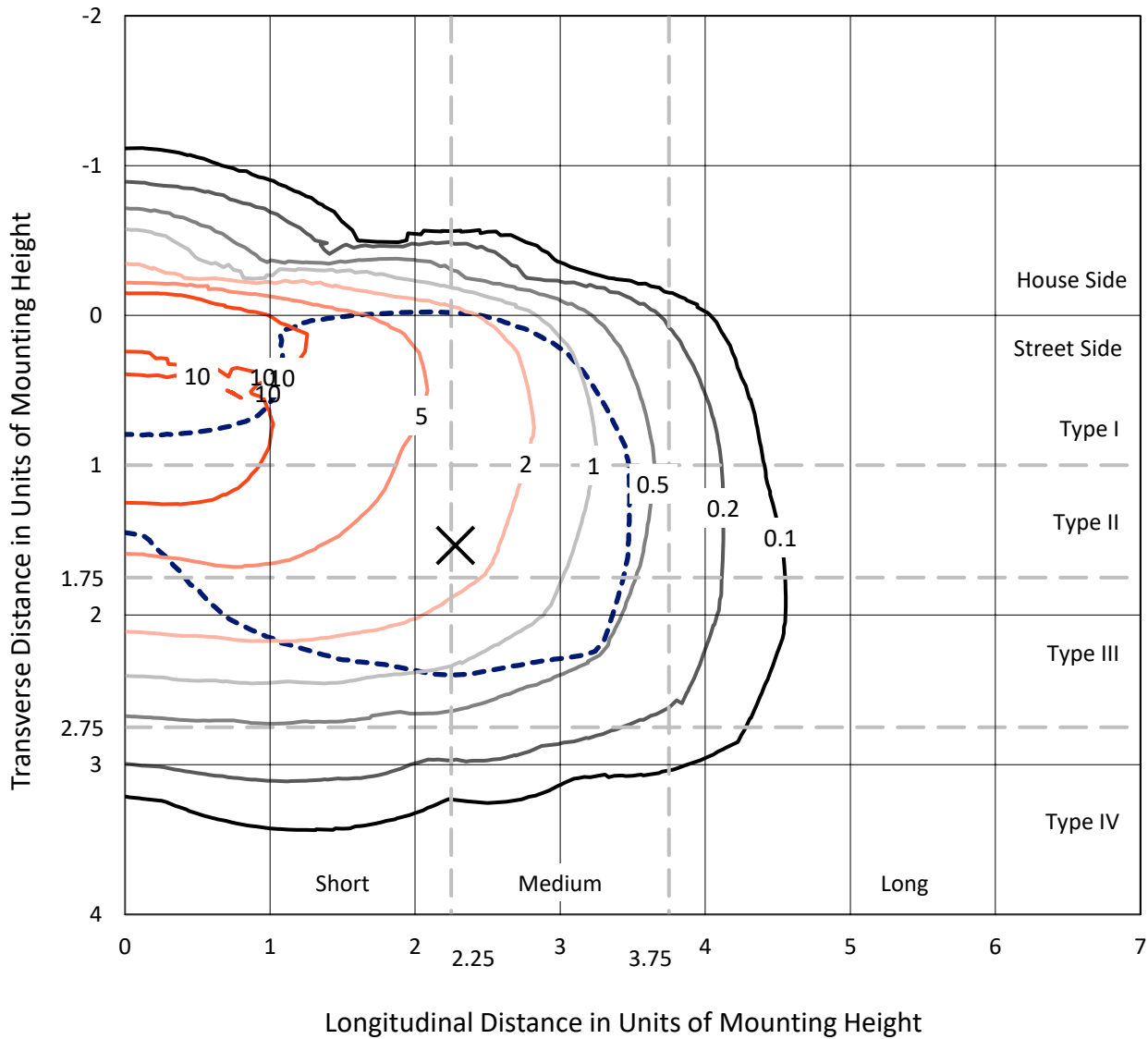
Lumens per Lamp: N/A  
Luminaire Lumens: 9221.6 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P632947  
 CATALOG NUMBER: GWS-SA2D-760-U-T3R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

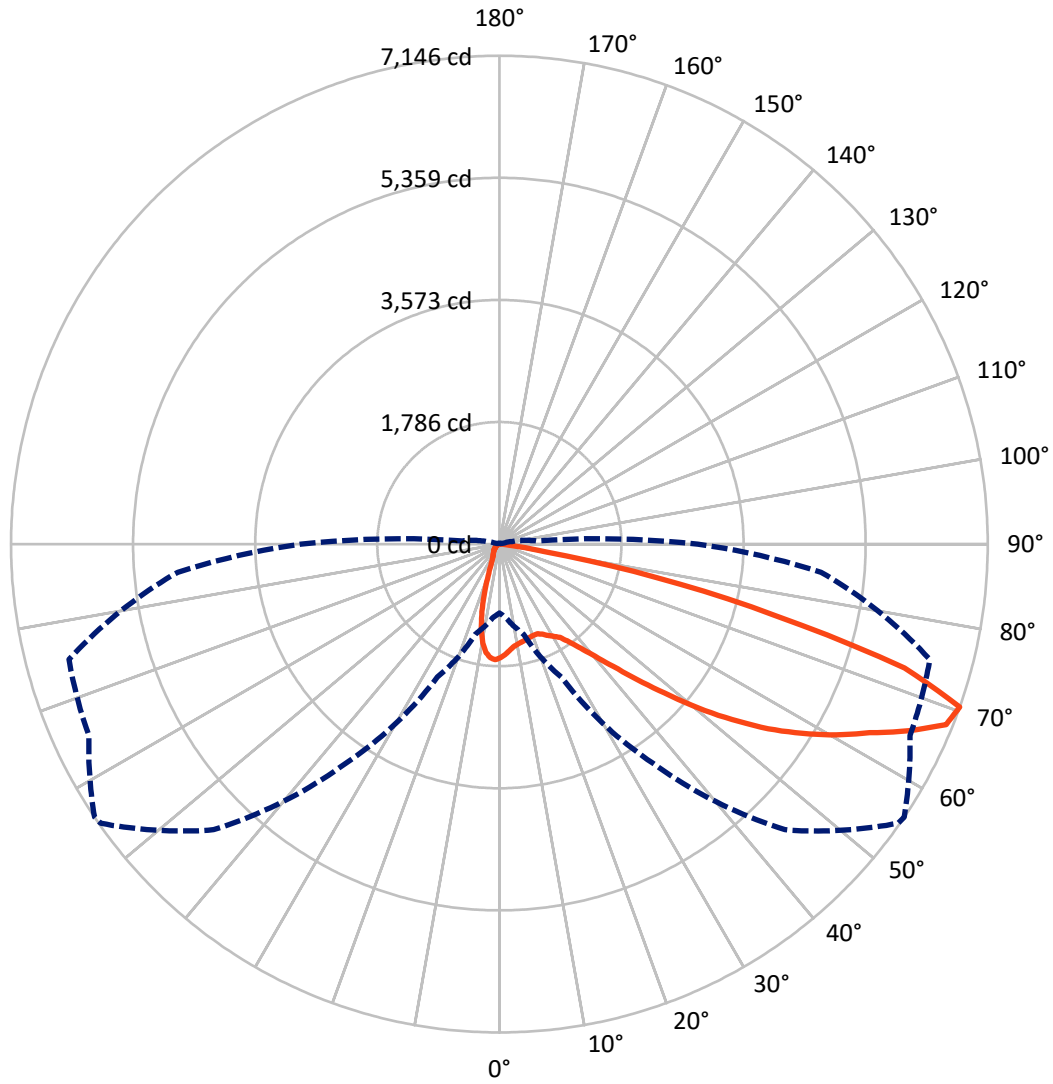
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P632947  
CATALOG NUMBER: GWS-SA2D-760-U-T3R-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P632947  
 CATALOG NUMBER: GWS-SA2D-760-U-T3R-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	828.3	0.0	828.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	8393.3	0.0	8393.3
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	9221.6	0.0	9221.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.8	1.5
10°-20°	321.1	3.5
20°-30°	508.6	5.5
30°-40°	877.1	9.5
40°-50°	1481.1	16.1
50°-60°	2176.2	23.6
60°-70°	2580.0	28.0
70°-80°	1100.2	11.9
80°-90°	34.5	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°	9221.6	100.0
0°-180°	9221.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632947

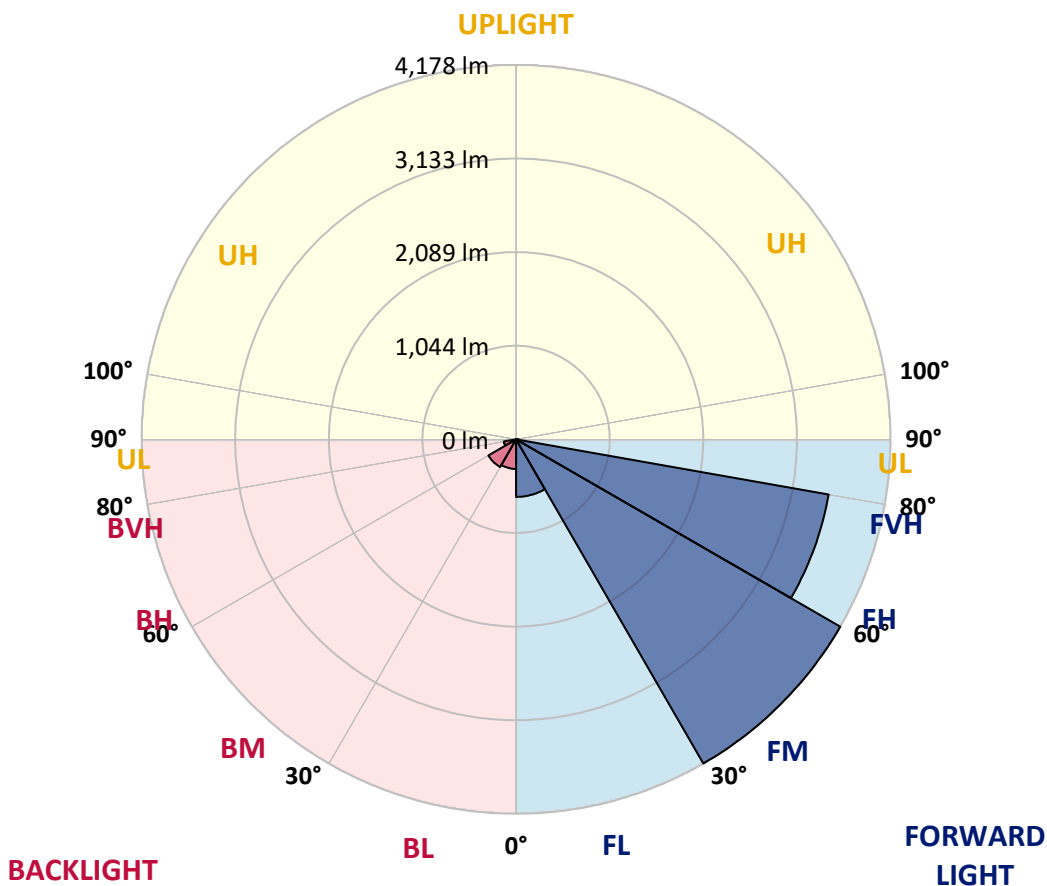
CATALOG NUMBER: GWS-SA2D-760-U-T3R-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	642.6	7.0			
FM (30°-60°)	4177.6	45.3			
FH (60°-80°)	3542.1	38.4			G2/5000
FVH (80°-90°)	31.0	0.3			G1/100
BL (0°-30°)	329.9	3.6	B1/500		
BM (30°-60°)	356.8	3.9	B1/1000		
BH (60°-80°)	138.1	1.5	B1/500		G1/500
BVH (80°-90°)	3.5	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: P632947

CATALOG NUMBER: GWS-SA2D-760-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7
2.5°	1547.9	1545.4	1547.1	1559.7	1583.4	1594.3	1612.9	1616.3	1631.5	1650.9	1658.5
5°	1447.4	1439.0	1443.2	1460.9	1487.9	1518.3	1553.0	1562.3	1600.3	1643.3	1675.4
7.5°	1355.4	1346.1	1356.2	1384.1	1422.1	1455.0	1506.5	1512.4	1573.2	1649.2	1707.5
10°	1211.0	1213.5	1233.8	1282.7	1341.0	1409.4	1478.7	1487.1	1562.3	1668.7	1759.0
12.5°	1100.3	1094.4	1116.4	1172.1	1254.0	1353.7	1457.5	1468.5	1563.1	1698.2	1824.9
15°	1048.8	1047.1	1056.4	1097.0	1176.3	1293.7	1438.1	1452.5	1574.1	1725.2	1887.4
17.5°	1050.5	1048.0	1047.1	1070.8	1129.9	1249.0	1417.0	1435.6	1583.4	1754.8	1953.2
20°	1124.0	1112.2	1091.0	1080.1	1115.5	1220.2	1402.7	1423.8	1596.9	1786.0	2023.3
22.5°	1277.7	1281.9	1225.3	1166.2	1149.3	1223.6	1401.0	1425.5	1626.4	1835.0	2109.5
25°	1585.1	1578.3	1473.6	1341.0	1249.0	1262.5	1430.5	1460.1	1684.7	1905.1	2190.5
27.5°	1970.1	1976.0	1832.5	1621.4	1428.8	1342.7	1484.6	1514.1	1752.3	1949.0	2244.6
30°	2389.8	2383.9	2230.2	1996.3	1683.9	1476.1	1538.6	1564.8	1786.0	1972.7	2300.3
32.5°	2786.7	2773.2	2621.2	2376.3	2009.0	1686.4	1612.9	1628.1	1830.8	2024.2	2375.5
35°	3125.4	3124.5	2991.9	2731.0	2343.4	1949.9	1740.4	1753.1	1914.4	2106.1	2486.1
37.5°	3475.0	3463.1	3314.5	3076.4	2687.1	2238.7	1935.5	1930.4	2046.1	2226.8	2622.1
40°	3762.1	3754.5	3640.5	3411.6	3044.3	2557.9	2172.0	2156.8	2202.4	2394.1	2811.2
42.5°	3974.9	3975.7	3940.3	3800.9	3422.6	2926.9	2469.2	2445.6	2444.7	2646.5	3061.2
45°	4136.2	4147.2	4200.4	4179.2	3869.3	3356.7	2850.1	2825.6	2784.2	2974.2	3347.5
47.5°	4211.3	4225.7	4386.1	4470.6	4260.3	3783.2	3303.5	3252.0	3171.0	3409.9	3667.5
50°	4203.7	4229.1	4452.9	4709.6	4615.0	4215.6	3797.5	3773.1	3640.5	3871.0	3984.2
52.5°	4031.5	4085.5	4457.1	4854.8	4887.8	4614.1	4308.4	4262.8	4198.7	4352.4	4281.4
55°	3563.6	3629.5	4278.9	4901.3	5100.6	4962.1	4808.4	4771.2	4664.8	4806.7	4540.7
57.5°	3309.4	3366.0	3904.0	4878.5	5281.3	5283.8	5253.4	5223.0	5135.2	5255.9	4844.7
60°	3156.6	3213.2	3703.8	4794.9	5445.1	5623.3	5671.4	5668.0	5541.4	5766.8	5201.0
62.5°	2932.8	3010.5	3495.2	4577.8	5561.6	5957.7	6102.9	6080.1	5939.1	6298.8	5554.0
65°	2481.0	2548.6	3067.9	4219.8	5493.2	6234.7	6570.8	6582.6	6419.6	6799.6	5832.7
67.5°	1739.6	1789.4	2305.4	3468.2	5028.8	6325.9	7049.6	7048.7	6770.9	7056.3	5709.4
70°	1008.3	1076.7	1362.1	2144.1	3912.4	5911.2	7121.4	7145.8	6628.2	6520.1	4724.8
72.5°	390.1	446.7	771.8	1139.2	2040.2	4528.0	6125.7	6197.5	5547.3	5029.6	3288.3
75°	116.5	130.0	363.1	606.3	819.1	2187.2	4147.2	4167.4	3805.1	3137.2	1685.5
77.5°	87.0	96.3	158.8	306.5	287.1	662.9	2145.8	2343.4	2020.0	1120.6	464.5
80°	59.1	70.1	113.2	149.5	106.4	176.5	602.9	662.1	616.5	251.6	116.5
82.5°	26.2	33.8	80.2	75.2	38.8	50.7	185.8	197.6	127.5	76.0	40.5
85°	2.5	3.4	30.4	32.9	14.4	11.8	38.8	38.8	27.9	26.2	16.9
87.5°	0.0	0.0	0.8	1.7	1.7	2.5	3.4	4.2	5.1	6.8	8.4
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: P632947  
 CATALOG NUMBER: GWS-SA2D-760-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7	1662.7
2.5°	1677.9	1667.8	1680.5	1690.6	1693.1	1674.6	1663.6	1647.5	1644.2	1645.0	1640.8
5°	1700.7	1695.7	1705.0	1694.0	1665.3	1611.2	1564.8	1513.3	1485.4	1469.4	1467.7
7.5°	1743.0	1740.4	1730.3	1680.5	1591.0	1471.1	1355.4	1242.2	1172.1	1146.8	1142.6
10°	1805.5	1800.4	1759.0	1640.8	1449.9	1219.4	1025.2	863.0	764.2	735.5	700.1
12.5°	1877.2	1867.1	1776.7	1555.5	1237.1	917.9	675.6	494.0	408.7	383.4	383.4
15°	1946.5	1924.5	1766.6	1414.5	975.4	597.0	377.5	285.4	259.3	252.5	252.5
17.5°	2017.4	1975.2	1726.9	1221.9	673.9	353.0	251.6	233.9	230.5	231.4	232.2
20°	2084.1	2018.3	1656.8	990.6	429.8	246.6	225.5	221.2	219.6	221.2	220.4
22.5°	2156.8	2058.0	1550.4	738.1	279.5	222.1	214.5	211.1	209.4	212.0	212.0
25°	2228.5	2086.7	1409.4	496.5	222.1	206.9	202.7	199.3	197.6	198.4	198.4
27.5°	2265.7	2075.7	1224.5	316.7	199.3	191.7	187.5	183.2	180.7	179.9	180.7
30°	2291.0	2041.9	998.2	225.5	180.7	171.4	167.2	163.8	157.1	152.8	154.5
32.5°	2330.7	2008.1	752.4	189.2	165.5	151.2	144.4	136.0	126.7	122.4	122.4
35°	2378.0	1961.7	527.8	170.6	149.5	134.3	121.6	107.2	96.3	92.9	92.9
37.5°	2440.5	1917.8	351.3	157.9	136.0	119.9	102.2	85.3	73.5	71.8	70.9
40°	2534.2	1880.6	247.4	148.6	124.1	104.7	83.6	65.9	57.4	54.9	54.9
42.5°	2655.8	1842.6	195.9	139.3	114.0	90.4	66.7	52.4	45.6	43.9	43.1
45°	2806.1	1797.9	170.6	130.9	103.9	75.2	53.2	43.9	38.8	37.2	37.2
47.5°	2969.1	1737.1	158.8	119.9	92.0	60.8	44.8	38.0	35.5	34.6	33.8
50°	3129.6	1655.1	148.6	109.8	78.5	49.8	38.8	34.6	32.9	32.1	32.1
52.5°	3269.8	1559.7	136.0	98.0	64.2	43.1	34.6	32.1	30.4	28.7	27.9
55°	3389.7	1455.9	119.9	84.4	52.4	38.0	32.1	29.6	27.9	26.2	25.3
57.5°	3544.2	1396.7	96.3	68.4	43.1	33.8	29.6	27.0	25.3	22.8	22.8
60°	3715.6	1353.7	71.8	54.0	37.2	31.2	27.0	24.5	22.8	20.3	20.3
62.5°	3853.3	1289.5	56.6	43.9	32.1	27.9	24.5	22.0	20.3	17.7	17.7
65°	3905.6	1156.9	46.4	34.6	26.2	24.5	22.0	20.3	17.7	15.2	15.2
67.5°	3669.2	891.8	38.8	27.9	22.0	21.1	19.4	18.6	15.2	13.5	12.7
70°	2905.8	543.8	32.1	22.8	18.6	17.7	17.7	16.0	13.5	12.7	11.8
72.5°	1991.2	280.4	26.2	18.6	16.0	16.0	15.2	14.4	12.7	11.8	11.8
75°	1034.5	93.7	20.3	14.4	12.7	13.5	13.5	12.7	11.8	11.8	11.0
77.5°	296.4	42.2	15.2	11.0	10.1	10.1	11.0	11.0	11.0	10.1	10.1
80°	76.8	24.5	11.0	8.4	8.4	8.4	8.4	9.3	10.1	9.3	9.3
82.5°	31.2	13.5	7.6	6.8	6.8	6.8	6.8	7.6	8.4	8.4	8.4
85°	19.4	6.8	5.9	5.9	5.9	5.1	5.1	5.9	5.9	6.8	6.8
87.5°	11.8	5.1	5.1	5.1	5.1	4.2	4.2	4.2	4.2	4.2	4.2
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)