

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: P632287

Luminaire Tested: GWS-SA2C-735-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632287  
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-SA2C-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

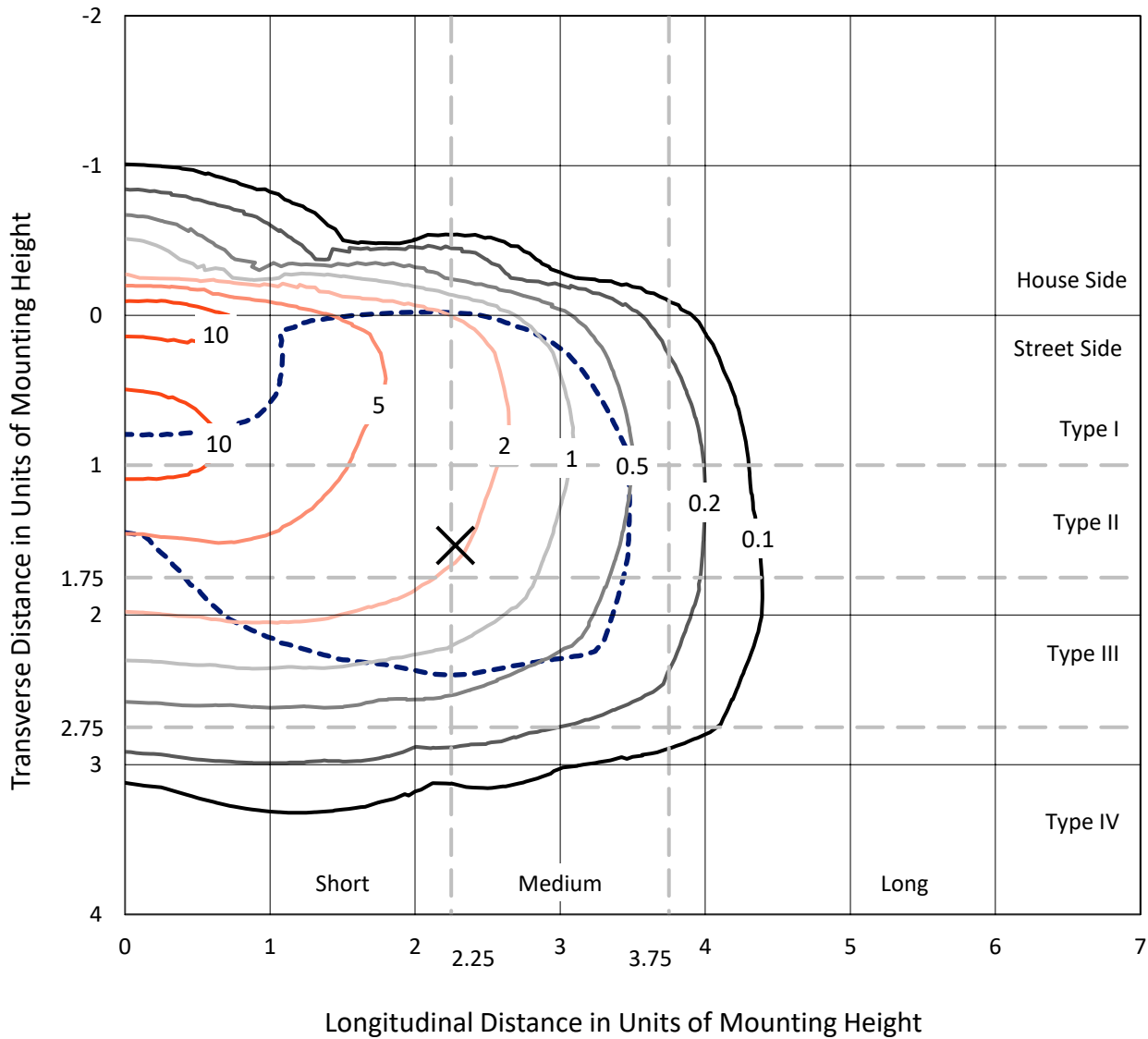
Lumens per Lamp: N/A  
Luminaire Lumens: 7146 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P632287  
 CATALOG NUMBER: GWS-SA2C-735-U-T3R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

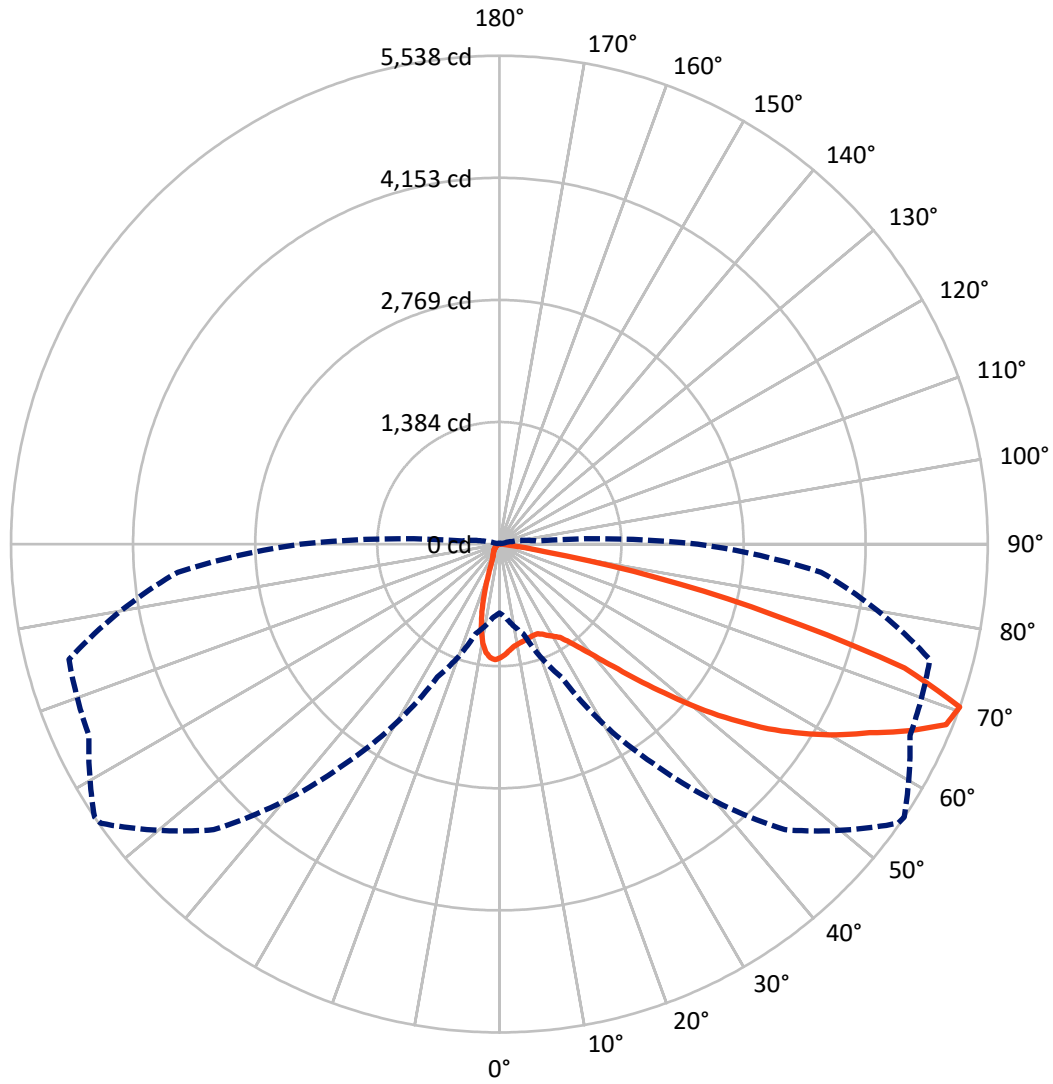
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P632287  
CATALOG NUMBER: GWS-SA2C-735-U-T3R-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P632287  
 CATALOG NUMBER: GWS-SA2C-735-U-T3R-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	641.8	0.0	641.8
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	6504.2	0.0	6504.2
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	7146.0	0.0	7146.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.6	1.5
10°-20°	248.8	3.5
20°-30°	394.1	5.5
30°-40°	679.7	9.5
40°-50°	1147.7	16.1
50°-60°	1686.4	23.6
60°-70°	1999.3	28.0
70°-80°	852.6	11.9
80°-90°	26.8	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°	7146.0	100.0
0°-180°	7146.0	100.0

**Coefficient of Utilization**



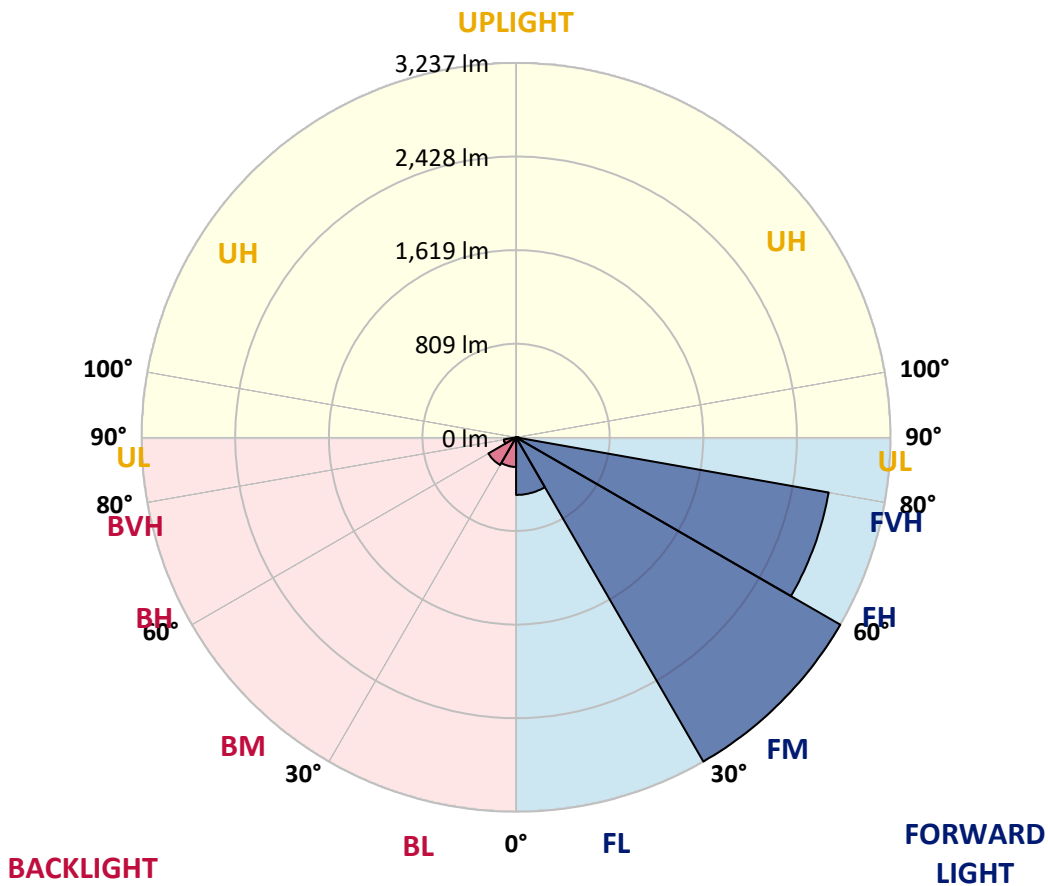
REPORT NUMBER: P632287

CATALOG NUMBER: GWS-SA2C-735-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°)	497.9	7.0			
FM (30°-60°)	3237.3	45.3			
FH (60°-80°)	2744.8	38.4			G2/5000
FVH (80°-90°)	24.1	0.3			G1/100
BL (0°-30°)	255.6	3.6	B1/500		
BM (30°-60°)	276.5	3.9	B1/1000		
BH (60°-80°)	107.1	1.5	B0/110		G0/110
BVH (80°-90°)	2.7	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: P632287

CATALOG NUMBER: GWS-SA2C-735-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5
2.5°	1199.5	1197.5	1198.8	1208.7	1227.0	1235.5	1249.9	1252.5	1264.3	1279.3	1285.2
5°	1121.6	1115.1	1118.4	1132.1	1153.0	1176.6	1203.4	1210.6	1240.1	1273.4	1298.3
7.5°	1050.3	1043.1	1051.0	1072.5	1102.0	1127.5	1167.4	1172.0	1219.1	1278.0	1323.2
10°	938.4	940.4	956.1	994.0	1039.2	1092.2	1145.8	1152.4	1210.6	1293.1	1363.1
12.5°	852.7	848.1	865.1	908.3	971.8	1049.0	1129.5	1138.0	1211.3	1316.0	1414.1
15°	812.8	811.4	818.6	850.1	911.6	1002.5	1114.4	1125.6	1219.8	1336.9	1462.6
17.5°	814.1	812.1	811.4	829.8	875.6	967.8	1098.1	1112.5	1227.0	1359.8	1513.6
20°	871.0	861.8	845.5	837.0	864.5	945.6	1086.9	1103.3	1237.5	1384.0	1567.9
22.5°	990.1	993.4	949.5	903.7	890.6	948.2	1085.6	1104.6	1260.4	1422.0	1634.7
25°	1228.3	1223.1	1141.9	1039.2	967.8	978.3	1108.5	1131.4	1305.5	1476.3	1697.5
27.5°	1526.7	1531.3	1420.0	1256.4	1107.2	1040.5	1150.4	1173.3	1357.9	1510.3	1739.4
30°	1851.9	1847.3	1728.2	1547.0	1304.9	1143.9	1192.3	1212.6	1384.0	1528.7	1782.6
32.5°	2159.5	2149.0	2031.2	1841.5	1556.8	1306.8	1249.9	1261.7	1418.7	1568.6	1840.8
35°	2421.9	2421.2	2318.5	2116.3	1815.9	1511.0	1348.7	1358.5	1483.5	1632.1	1926.5
37.5°	2692.8	2683.7	2568.5	2383.9	2082.3	1734.8	1499.9	1495.9	1585.6	1725.6	2031.9
40°	2915.3	2909.4	2821.1	2643.7	2359.1	1982.2	1683.1	1671.3	1706.7	1855.2	2178.5
42.5°	3080.2	3080.9	3053.4	2945.4	2652.2	2268.1	1913.4	1895.1	1894.5	2050.9	2372.2
45°	3205.2	3213.7	3254.9	3238.6	2998.4	2601.2	2208.6	2189.6	2157.5	2304.8	2594.0
47.5°	3263.4	3274.6	3398.9	3464.3	3301.4	2931.7	2560.0	2520.1	2457.2	2642.4	2842.0
50°	3257.6	3277.2	3450.6	3649.5	3576.2	3266.7	2942.8	2923.8	2821.1	2999.7	3087.4
52.5°	3124.1	3165.9	3453.9	3762.1	3787.6	3575.6	3338.7	3303.4	3253.6	3372.7	3317.8
55°	2761.5	2812.6	3315.8	3798.1	3952.5	3845.2	3726.1	3697.3	3614.9	3724.8	3518.7
57.5°	2564.6	2608.4	3025.2	3780.4	4092.6	4094.5	4071.0	4047.4	3979.4	4072.9	3754.2
60°	2446.1	2490.0	2870.2	3715.6	4219.5	4357.6	4394.9	4392.3	4294.1	4468.8	4030.4
62.5°	2272.7	2332.9	2708.5	3547.5	4309.8	4616.7	4729.3	4711.6	4602.3	4881.1	4303.9
65°	1922.6	1975.0	2377.4	3270.0	4256.8	4831.4	5091.8	5101.0	4974.7	5269.2	4519.9
67.5°	1348.0	1386.7	1786.5	2687.6	3896.9	4902.0	5462.9	5462.2	5246.9	5468.1	4424.3
70°	781.3	834.3	1055.5	1661.5	3031.8	4580.7	5518.5	5537.5	5136.3	5052.6	3661.3
72.5°	302.3	346.2	598.1	882.8	1581.0	3508.8	4747.0	4802.6	4298.7	3897.6	2548.2
75°	90.3	100.8	281.4	469.9	634.8	1694.9	3213.7	3229.4	2948.7	2431.1	1306.2
77.5°	67.4	74.6	123.0	237.5	222.5	513.7	1662.8	1815.9	1565.3	868.4	359.9
80°	45.8	54.3	87.7	115.8	82.5	136.8	467.2	513.0	477.7	195.0	90.3
82.5°	20.3	26.2	62.2	58.2	30.1	39.3	144.0	153.1	98.8	58.9	31.4
85°	2.0	2.6	23.6	25.5	11.1	9.2	30.1	30.1	21.6	20.3	13.1
87.5°	0.0	0.0	0.7	1.3	1.3	2.0	2.6	3.3	3.9	5.2	6.5
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: P632287  
 CATALOG NUMBER: GWS-SA2C-735-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5
2.5°	1300.3	1292.4	1302.2	1310.1	1312.1	1297.7	1289.2	1276.7	1274.1	1274.8	1271.5
5°	1317.9	1314.0	1321.2	1312.7	1290.5	1248.6	1212.6	1172.7	1151.1	1138.6	1137.3
7.5°	1350.7	1348.7	1340.8	1302.2	1232.9	1139.9	1050.3	962.6	908.3	888.7	885.4
10°	1399.1	1395.2	1363.1	1271.5	1123.6	944.9	794.4	668.8	592.2	570.0	542.5
12.5°	1454.7	1446.9	1376.8	1205.4	958.7	711.3	523.5	382.8	316.7	297.1	297.1
15°	1508.4	1491.4	1369.0	1096.1	755.8	462.7	292.5	221.2	200.9	195.7	195.7
17.5°	1563.3	1530.6	1338.2	946.9	522.2	273.5	195.0	181.3	178.6	179.3	180.0
20°	1615.0	1564.0	1283.9	767.6	333.1	191.1	174.7	171.5	170.1	171.5	170.8
22.5°	1671.3	1594.8	1201.5	571.9	216.6	172.1	166.2	163.6	162.3	164.3	164.3
25°	1726.9	1617.0	1092.2	384.8	172.1	160.3	157.1	154.4	153.1	153.8	153.8
27.5°	1755.7	1608.5	948.9	245.4	154.4	148.5	145.3	142.0	140.0	139.4	140.0
30°	1775.4	1582.3	773.5	174.7	140.0	132.8	129.6	127.0	121.7	118.4	119.8
32.5°	1806.1	1556.1	583.1	146.6	128.3	117.1	111.9	105.4	98.2	94.9	94.9
35°	1842.8	1520.2	409.0	132.2	115.8	104.0	94.2	83.1	74.6	72.0	72.0
37.5°	1891.2	1486.1	272.2	122.4	105.4	92.9	79.2	66.1	56.9	55.6	55.0
40°	1963.8	1457.3	191.7	115.2	96.2	81.1	64.8	51.0	44.5	42.5	42.5
42.5°	2058.1	1427.9	151.8	108.0	88.3	70.0	51.7	40.6	35.3	34.0	33.4
45°	2174.5	1393.2	132.2	101.4	80.5	58.2	41.2	34.0	30.1	28.8	28.8
47.5°	2300.8	1346.1	123.0	92.9	71.3	47.1	34.7	29.4	27.5	26.8	26.2
50°	2425.2	1282.6	115.2	85.1	60.9	38.6	30.1	26.8	25.5	24.9	24.9
52.5°	2533.8	1208.7	105.4	75.9	49.7	33.4	26.8	24.9	23.6	22.2	21.6
55°	2626.7	1128.2	92.9	65.4	40.6	29.4	24.9	22.9	21.6	20.3	19.6
57.5°	2746.5	1082.4	74.6	53.0	33.4	26.2	22.9	20.9	19.6	17.7	17.7
60°	2879.3	1049.0	55.6	41.9	28.8	24.2	20.9	19.0	17.7	15.7	15.7
62.5°	2986.0	999.3	43.8	34.0	24.9	21.6	19.0	17.0	15.7	13.7	13.7
65°	3026.6	896.5	36.0	26.8	20.3	19.0	17.0	15.7	13.7	11.8	11.8
67.5°	2843.3	691.0	30.1	21.6	17.0	16.4	15.1	14.4	11.8	10.5	9.8
70°	2251.8	421.4	24.9	17.7	14.4	13.7	13.7	12.4	10.5	9.8	9.2
72.5°	1543.1	217.3	20.3	14.4	12.4	12.4	11.8	11.1	9.8	9.2	9.2
75°	801.6	72.6	15.7	11.1	9.8	10.5	10.5	9.8	9.2	9.2	8.5
77.5°	229.7	32.7	11.8	8.5	7.9	7.9	8.5	8.5	8.5	7.9	7.9
80°	59.5	19.0	8.5	6.5	6.5	6.5	6.5	7.2	7.9	7.2	7.2
82.5°	24.2	10.5	5.9	5.2	5.2	5.2	5.2	5.9	6.5	6.5	6.5
85°	15.1	5.2	4.6	4.6	4.6	3.9	3.9	4.6	4.6	5.2	5.2
87.5°	9.2	3.9	3.9	3.9	3.9	3.3	3.3	3.3	3.3	3.3	3.3
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)