

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P527049

Luminaire Tested: **GLAN-SA2A-735-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2A-735-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5210 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

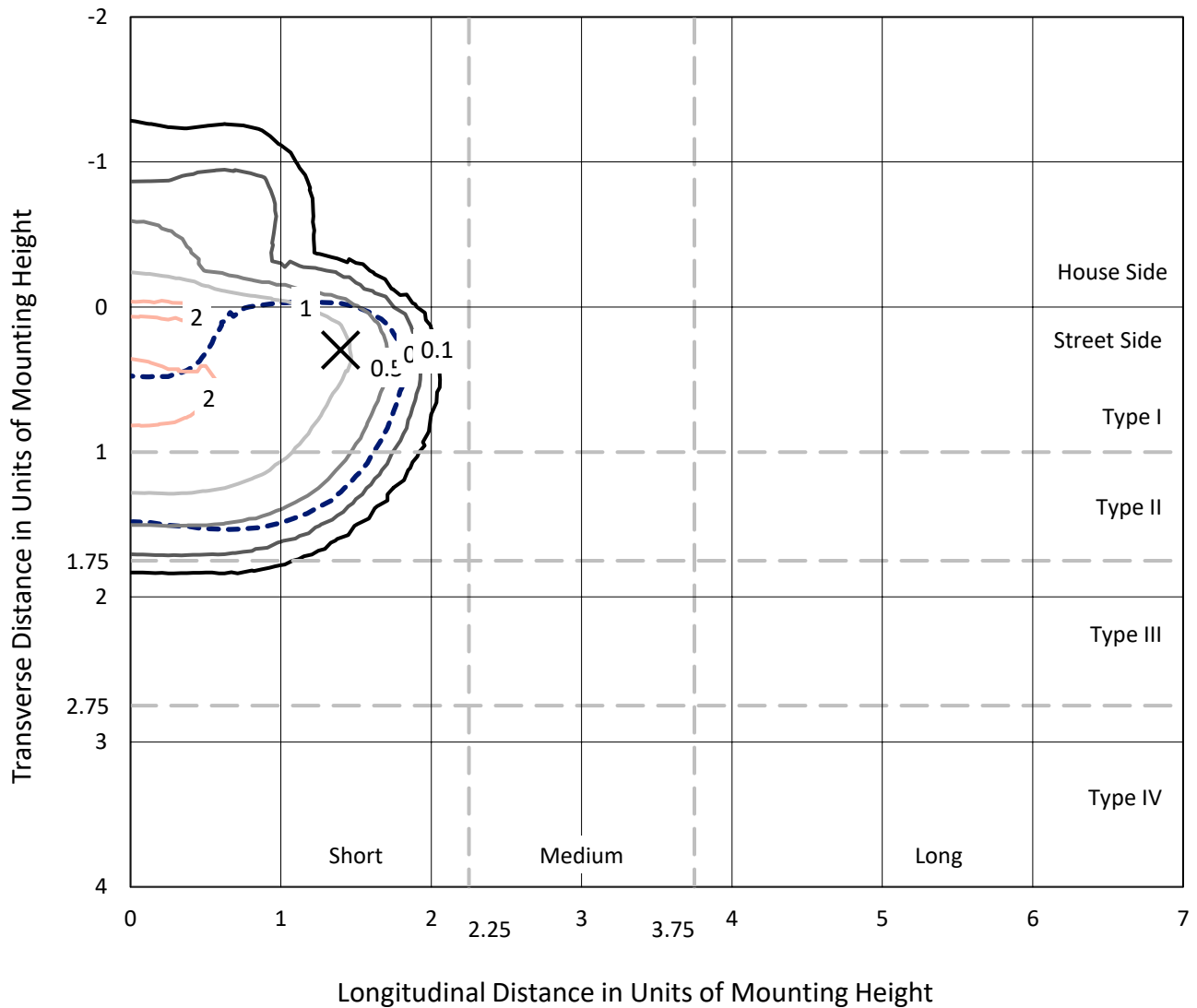
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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 CATALOG NUMBER: GLAN-SA2A-735-U-T3R-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

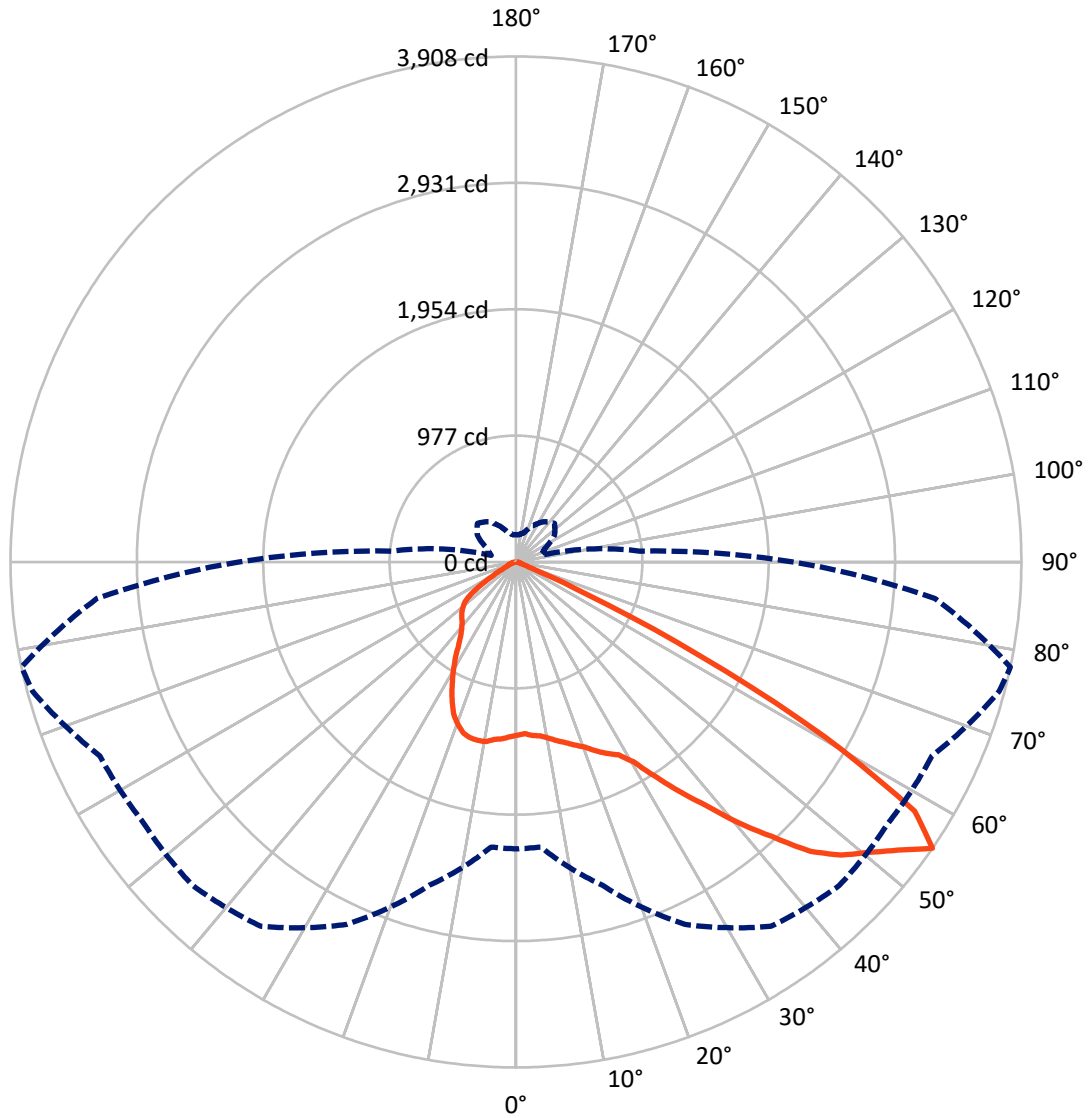
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P527049  
CATALOG NUMBER: GLAN-SA2A-735-U-T3R-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P527049

CATALOG NUMBER: GLAN-SA2A-735-U-T3R-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	967.7	0.0	967.7
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	4242.3	0.0	4242.3
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	5210.0	0.0	5210.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.4	2.3
10°-20°	316.1	6.1
20°-30°	554.1	10.6
30°-40°	913.6	17.5
40°-50°	1329.4	25.5
50°-60°	1506.3	28.9
60°-70°	430.7	8.3
70°-80°	33.4	0.6
80°-90°	7.0	0.1
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°	5210.0	100.0
0°-180°	5210.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P527049

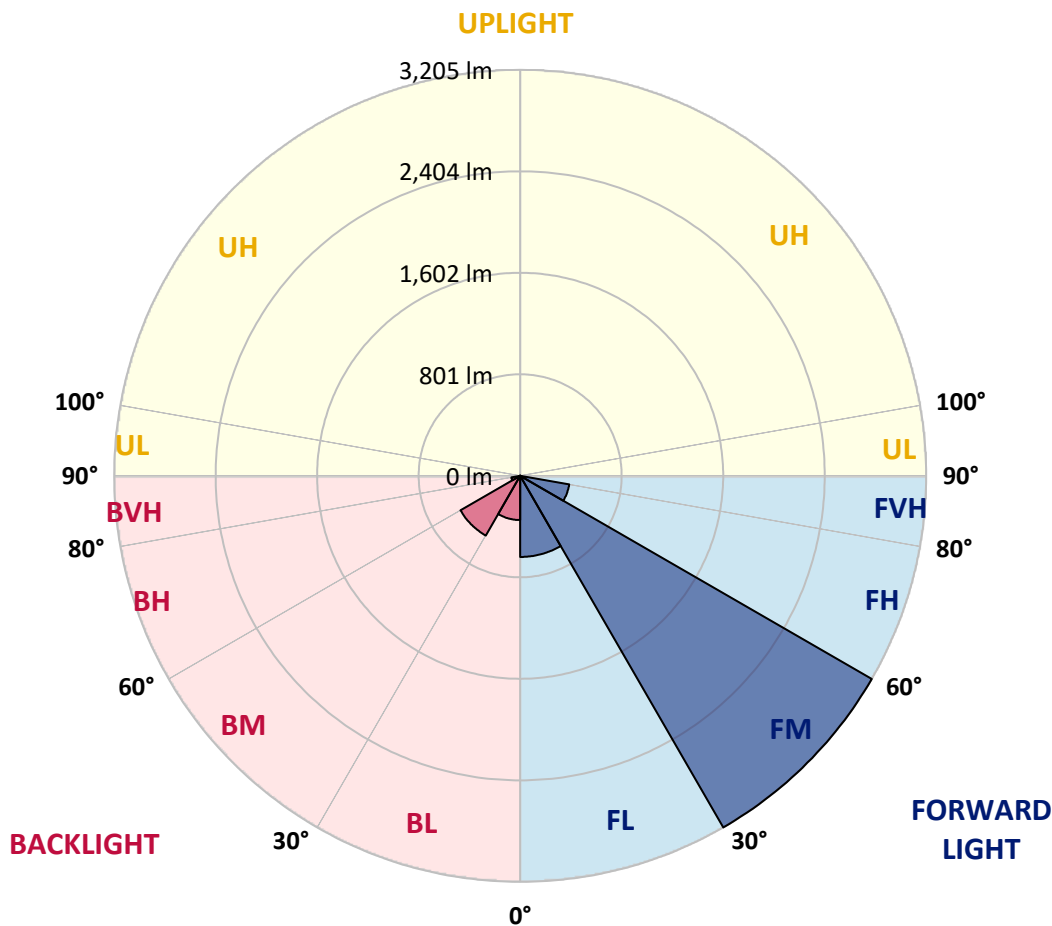
CATALOG NUMBER: GLAN-SA2A-735-U-T3R-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	640.5	12.3			
FM (30°-60°)	3205.0	61.5			
FH (60°-80°)	393.5	7.6			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	349.1	6.7	B1/500		
BM (30°-60°)	544.3	10.4	B1/1000		
BH (60°-80°)	70.6	1.4	B0/110		G0/110
BVH (80°-90°)	3.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type II Short





REPORT NUMBER: P527049

CATALOG NUMBER: GLAN-SA2A-735-U-T3R-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1259.4	1271.5	1273.4	1288.3	1287.3	1312.5	1319.9	1320.9	1337.6	1329.2	1350.7
5°	1224.0	1217.5	1214.7	1240.8	1248.2	1270.6	1289.2	1300.4	1334.8	1346.9	1369.3
7.5°	1192.3	1192.3	1194.2	1217.5	1214.7	1243.5	1263.1	1297.6	1347.9	1358.1	1385.1
10°	1161.6	1150.4	1164.4	1188.6	1209.1	1222.1	1263.1	1295.7	1354.4	1384.2	1421.5
12.5°	1145.7	1151.3	1153.2	1170.9	1193.2	1232.4	1254.7	1308.8	1401.0	1418.7	1458.7
15°	1245.4	1234.2	1207.2	1191.4	1210.0	1228.6	1284.5	1339.5	1425.2	1450.3	1495.1
17.5°	1360.9	1351.6	1329.2	1286.4	1244.5	1278.9	1322.7	1373.0	1451.3	1488.5	1554.7
20°	1511.8	1496.9	1474.6	1390.7	1354.4	1317.1	1363.7	1423.3	1494.1	1527.7	1595.7
22.5°	1691.6	1691.6	1641.3	1539.8	1464.3	1428.9	1448.5	1482.9	1541.6	1587.3	1654.3
25°	1878.8	1873.2	1827.6	1722.3	1594.7	1552.8	1575.2	1599.4	1615.2	1640.4	1685.1
27.5°	2093.1	2060.5	2002.7	1886.3	1773.6	1692.5	1716.8	1695.3	1675.8	1688.8	1753.1
30°	2238.4	2258.9	2185.3	2073.5	1967.3	1877.0	1881.6	1863.0	1773.6	1792.2	1830.4
32.5°	2389.3	2402.3	2361.3	2299.9	2193.7	2088.4	2050.2	2034.4	1967.3	1975.7	1938.4
35°	2515.0	2540.2	2503.9	2476.9	2446.1	2361.3	2256.1	2307.3	2199.3	2178.8	2081.9
37.5°	2630.6	2623.1	2665.9	2638.0	2631.5	2571.9	2456.4	2466.6	2393.9	2389.3	2277.5
40°	2733.9	2735.8	2794.5	2807.5	2781.5	2675.3	2507.6	2588.6	2647.3	2652.9	2509.5
42.5°	2819.6	2844.8	2895.1	3000.4	2961.2	2784.2	2560.7	2649.2	2867.2	2901.6	2729.3
45°	2894.2	2945.4	3007.8	3101.9	3079.5	2938.9	2693.0	2774.0	3101.9	3192.2	2936.1
47.5°	2898.8	2965.9	3033.9	3173.6	3201.6	3021.8	2829.9	2971.5	3288.2	3386.0	3087.0
50°	2880.2	2915.6	3051.6	3203.4	3266.8	3156.8	3021.8	3137.3	3468.9	3530.4	3163.4
52.5°	2659.4	2686.4	2959.4	3231.4	3384.1	3309.6	3276.1	3368.3	3653.3	3699.0	3235.1
55°	2217.0	2212.3	2587.7	3090.7	3438.2	3536.0	3515.5	3548.1	3866.6	3907.6	3252.8
57.5°	1516.5	1601.2	1925.4	2573.7	3107.5	3482.9	3504.3	3450.3	3617.9	3633.8	2835.5
60°	817.9	853.3	1114.1	1717.7	2366.0	2838.3	2894.2	2796.4	2783.3	2738.6	2024.1
62.5°	325.1	342.8	490.9	850.5	1289.2	1725.1	1845.3	1805.2	1719.5	1602.2	1047.9
65°	154.6	165.8	244.1	397.7	571.9	719.1	839.3	876.5	646.5	582.2	345.6
67.5°	105.3	113.6	177.9	227.3	204.0	213.3	277.6	258.0	151.8	129.5	95.9
70°	80.1	85.7	142.5	154.6	91.3	64.3	71.7	67.1	62.4	63.3	62.4
72.5°	56.8	61.5	104.3	91.3	40.1	29.8	38.2	45.6	45.6	45.6	44.7
75°	34.5	39.1	60.5	35.4	15.8	15.8	24.2	30.7	32.6	33.5	31.7
77.5°	17.7	22.4	20.5	10.2	10.2	12.1	17.7	21.4	23.3	23.3	22.4
80°	3.7	3.7	3.7	5.6	10.2	13.0	17.7	19.6	22.4	22.4	20.5
82.5°	0.0	0.9	2.8	5.6	9.3	12.1	16.8	19.6	22.4	23.3	21.4
85°	0.0	0.9	1.9	3.7	6.5	7.5	6.5	5.6	5.6	5.6	5.6
87.5°	0.0	0.0	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9	1.9
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: P527049

CATALOG NUMBER: GLAN-SA2A-735-U-T3R-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1352.5	1355.3	1350.7	1349.7	1346.0	1357.2	1330.2	1323.7	1340.4	1324.6	1328.3
5°	1370.2	1376.8	1368.4	1354.4	1333.9	1302.2	1275.2	1239.8	1223.1	1210.9	1209.1
7.5°	1383.3	1387.9	1379.5	1334.8	1273.4	1193.2	1133.6	1089.9	1055.4	1045.1	1028.4
10°	1436.4	1437.3	1395.4	1296.6	1176.5	1071.2	979.9	912.9	878.4	857.0	847.7
12.5°	1471.8	1469.9	1385.1	1221.2	1061.0	921.3	816.9	735.9	704.2	694.0	687.4
15°	1516.5	1506.2	1360.9	1143.9	911.9	761.0	667.0	611.1	608.3	601.7	608.3
17.5°	1551.9	1523.0	1325.5	1003.2	769.4	626.9	565.4	569.1	576.6	583.1	584.0
20°	1609.6	1550.0	1244.5	880.3	637.1	537.5	536.5	553.3	571.9	579.4	586.8
22.5°	1653.4	1561.2	1157.9	748.9	529.1	501.1	517.0	542.1	556.1	563.6	574.7
25°	1669.2	1530.5	1042.3	617.6	476.9	484.4	508.6	525.4	543.1	551.4	546.8
27.5°	1685.1	1514.6	904.5	508.6	449.0	473.2	493.7	510.5	516.0	527.2	534.7
30°	1723.3	1459.7	780.6	439.7	435.0	465.7	480.7	486.2	501.1	507.7	507.7
32.5°	1754.0	1438.2	649.3	407.1	433.1	469.5	471.3	471.3	473.2	468.5	466.7
35°	1817.4	1364.6	531.9	387.5	432.2	470.4	475.1	459.2	416.4	399.6	395.0
37.5°	1895.6	1317.1	445.3	382.8	438.7	481.6	489.0	429.4	373.5	346.5	341.9
40°	1990.6	1283.6	388.4	381.0	453.6	507.7	485.3	406.1	333.5	294.4	292.5
42.5°	2101.5	1252.9	350.2	380.1	472.3	534.7	481.6	386.6	292.5	266.4	270.1
45°	2190.0	1236.1	324.2	373.5	478.8	550.5	484.4	352.1	275.7	259.0	260.8
47.5°	2258.9	1200.7	302.7	362.4	477.9	556.1	459.2	338.1	267.3	272.0	276.7
50°	2260.7	1153.2	275.7	338.1	463.9	545.9	430.4	325.1	265.5	285.0	294.4
52.5°	2235.6	1086.1	246.8	303.7	431.3	510.5	404.3	319.5	257.1	255.2	266.4
55°	2146.2	960.4	198.4	245.9	364.2	421.0	381.0	309.3	231.9	210.5	212.4
57.5°	1734.4	688.4	146.2	176.1	258.0	308.3	343.7	304.6	208.7	178.8	179.8
60°	1074.0	390.3	107.1	120.2	159.3	187.2	278.5	283.2	186.3	150.9	149.0
62.5°	551.4	192.8	82.9	84.8	97.8	109.9	191.0	237.5	168.6	143.5	143.5
65°	184.4	95.0	72.7	65.2	65.2	68.0	115.5	164.9	142.5	120.2	120.2
67.5°	79.2	70.8	63.3	56.8	52.2	49.4	65.2	95.9	106.2	91.3	87.6
70°	61.5	59.6	55.0	47.5	41.0	37.3	38.2	49.4	60.5	58.7	56.8
72.5°	45.6	45.6	43.8	37.3	31.7	27.0	25.2	26.1	28.9	29.8	30.7
75°	31.7	32.6	32.6	28.9	23.3	19.6	16.8	14.0	11.2	9.3	8.4
77.5°	21.4	22.4	24.2	21.4	17.7	13.0	10.2	7.5	4.7	1.9	1.9
80°	18.6	21.4	23.3	21.4	18.6	14.0	10.2	5.6	2.8	0.0	0.0
82.5°	19.6	21.4	24.2	20.5	17.7	13.0	10.2	6.5	2.8	0.9	0.0
85°	4.7	4.7	5.6	6.5	8.4	9.3	7.5	4.7	2.8	0.9	0.0
87.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	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)