

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: P458523

Luminaire Tested: **GLAN-SA1A-735-U-SL4-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458523  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1A-735-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3546 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

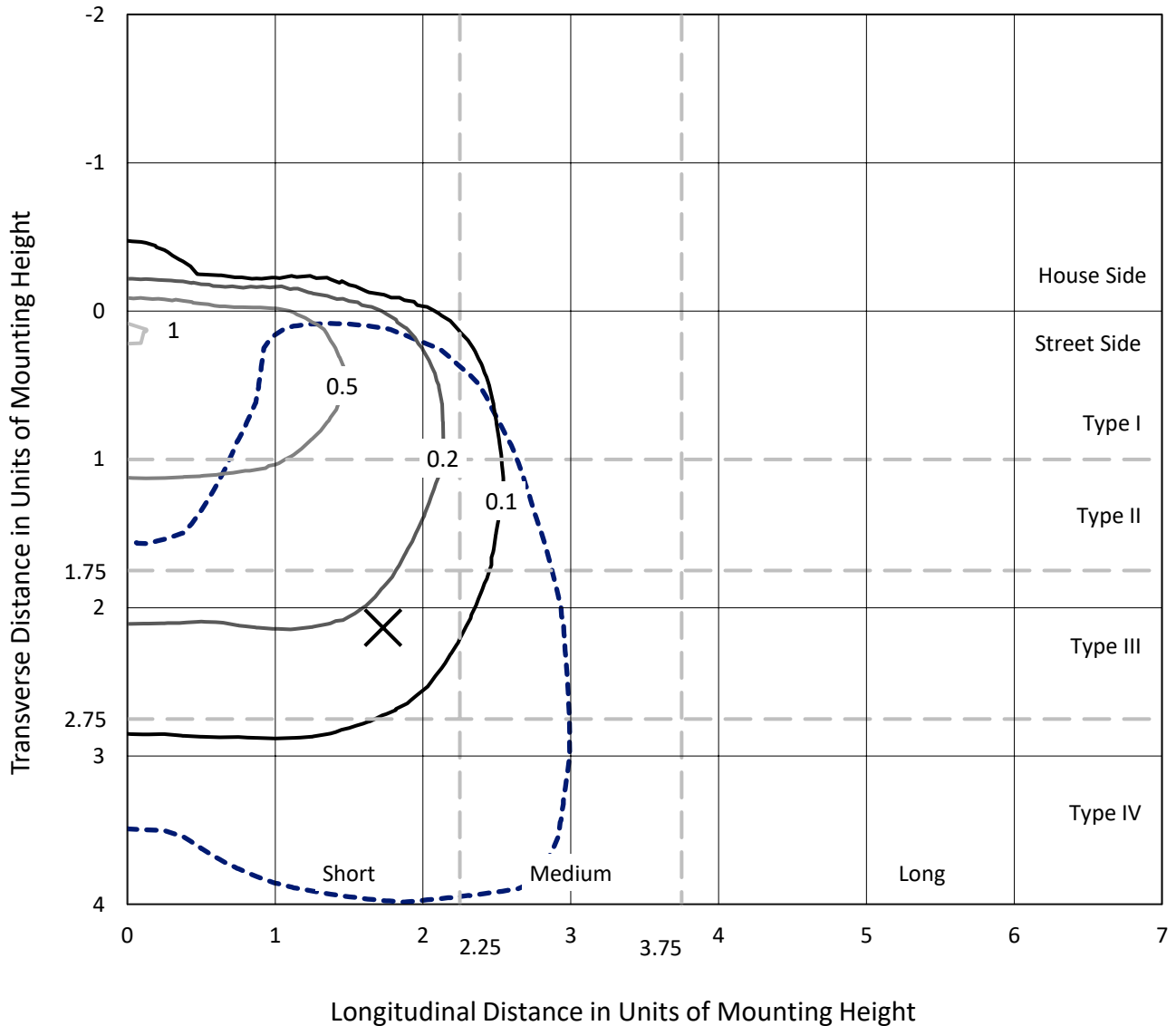
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

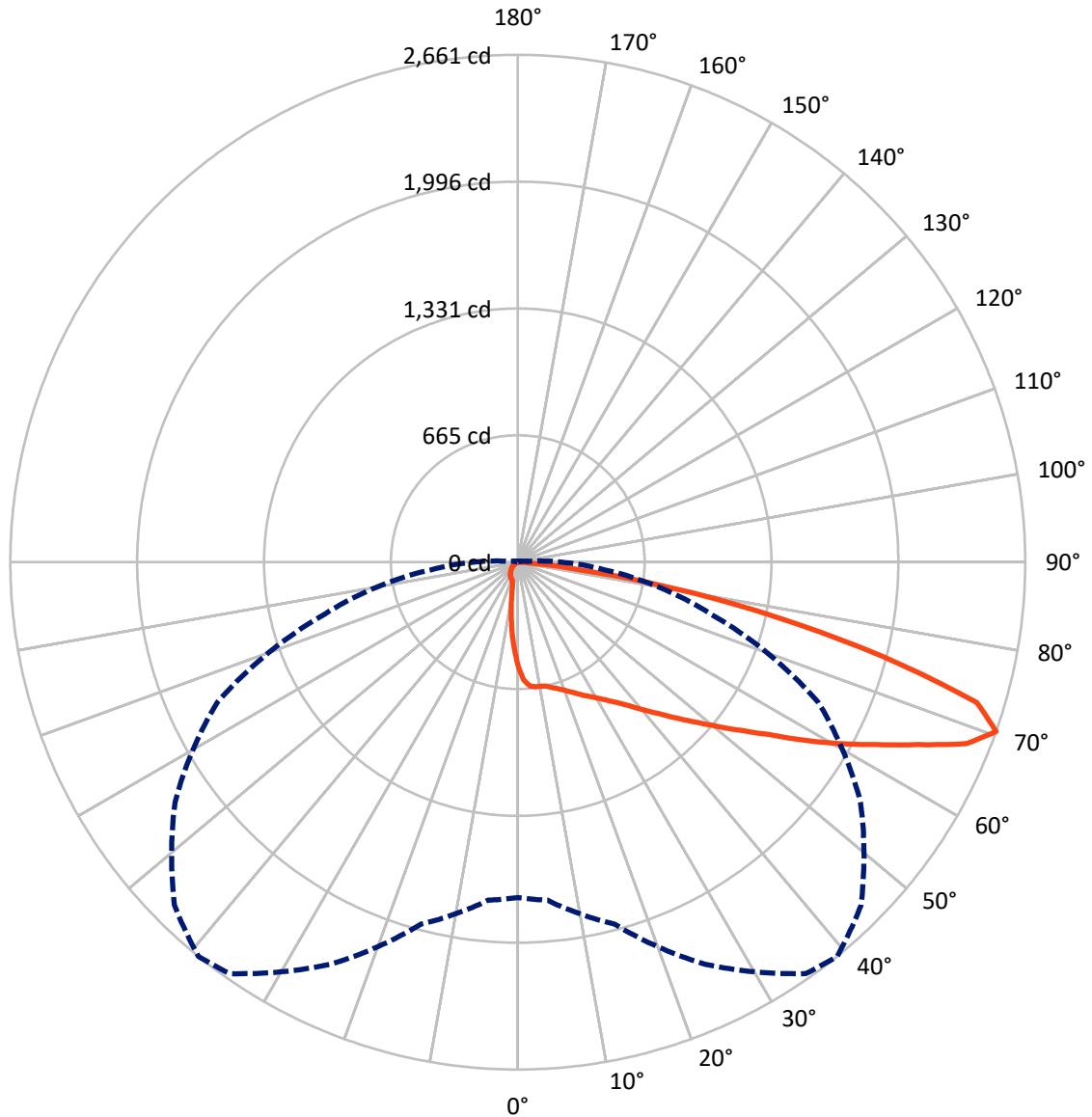
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	231.2	0.0	231.2
	% Fixture	6.5	0.0	6.5
<b>Street Side</b>	Lumens	3314.8	0.0	3314.8
	% Fixture	93.5	0.0	93.5
<b>Total</b>	Lumens	3546.0	0.0	3546.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.2	1.3
10°-20°	122.6	3.5
20°-30°	205.5	5.8
30°-40°	318.6	9.0
40°-50°	504.9	14.2
50°-60°	740.2	20.9
60°-70°	948.7	26.8
70°-80°	596.1	16.8
80°-90°	62.1	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°	3546.0	100.0
0°-180°	3546.0	100.0

**Coefficient of Utilization**



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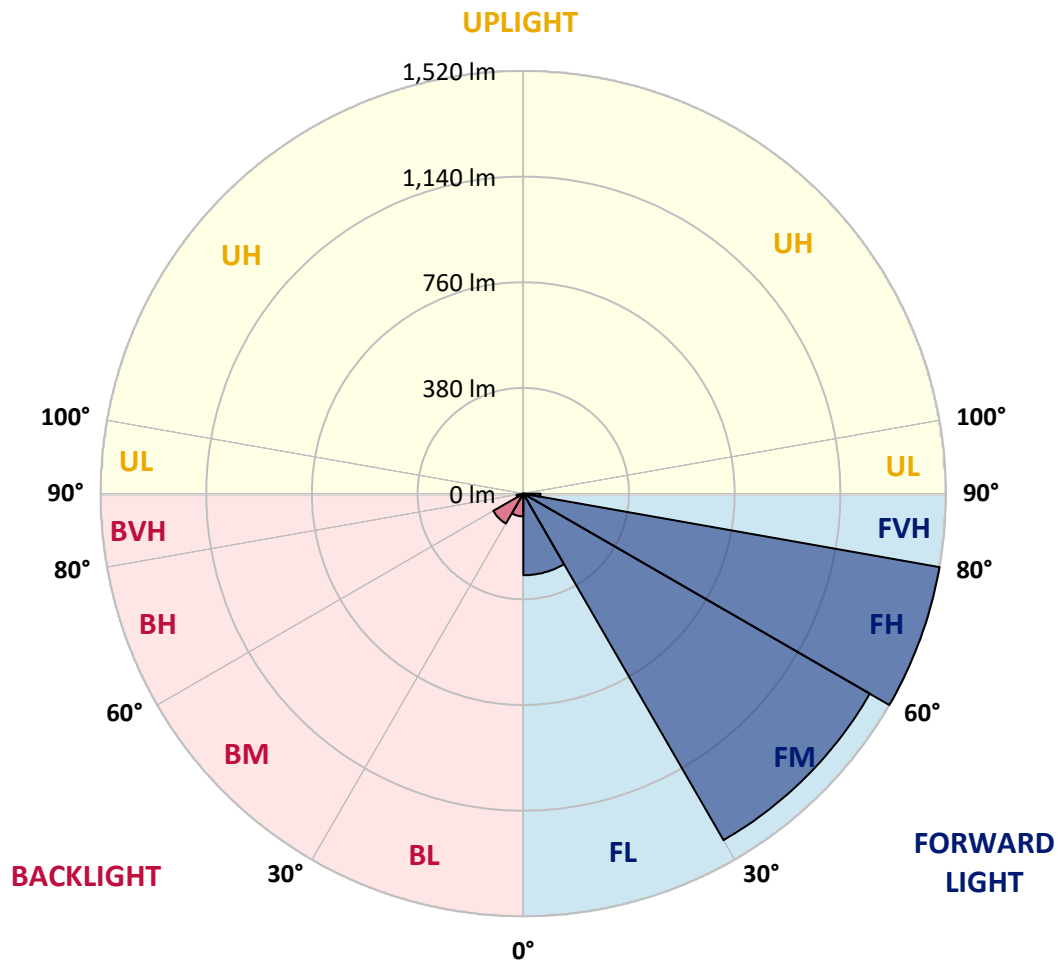
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.4	8.3			
FM (30°-60°)	1439.3	40.6			
FH (60°-80°)	1520.4	42.9			G1/1800
FVH (80°-90°)	61.6	1.7			G1/100
BL (0°-30°)	81.9	2.3	B0/110		
BM (30°-60°)	124.4	3.5	B0/220		
BH (60°-80°)	24.5	0.7	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3
2.5°	639.3	637.2	634.3	631.0	621.4	619.8	614.1	601.9	587.4	575.5	559.0
5°	669.6	670.8	668.6	662.7	655.8	651.7	644.6	625.7	606.9	582.8	555.9
7.5°	676.5	678.9	676.3	670.5	663.9	659.6	653.9	637.7	615.7	588.3	551.4
10°	675.8	678.6	677.0	671.7	666.2	662.2	656.0	643.1	625.5	596.7	552.8
12.5°	674.6	678.4	678.2	675.5	671.0	667.9	664.1	652.7	636.2	608.8	560.7
15°	671.2	676.0	680.3	682.4	682.7	682.7	677.9	665.8	650.0	624.8	570.9
17.5°	672.7	678.2	688.9	695.1	699.4	698.9	693.9	680.8	663.4	641.2	581.7
20°	681.5	688.9	703.9	716.3	720.6	719.1	712.5	697.2	677.4	655.3	592.1
22.5°	703.2	709.9	728.7	743.2	746.3	742.5	733.0	712.2	694.4	670.5	604.8
25°	735.6	743.4	760.8	771.8	771.8	769.7	756.3	732.0	713.4	691.7	621.2
27.5°	774.9	781.6	798.7	808.5	802.8	796.6	783.2	753.9	736.1	718.4	641.0
30°	814.7	819.0	837.1	841.4	835.4	827.6	813.3	784.0	768.2	754.6	669.6
32.5°	852.3	861.6	876.7	875.7	867.6	863.8	850.7	819.5	810.6	809.2	709.6
35°	890.0	897.1	910.5	913.8	906.7	906.0	896.4	873.3	873.6	882.8	772.0
37.5°	922.4	928.8	944.6	951.9	953.4	957.0	953.1	937.9	959.6	985.1	854.7
40°	949.6	958.6	978.6	991.5	1006.3	1019.4	1020.1	1023.4	1067.0	1110.9	962.7
42.5°	970.8	983.4	1012.5	1036.3	1070.1	1086.8	1100.2	1118.5	1191.9	1257.4	1089.9
45°	998.4	1012.9	1049.2	1086.6	1139.5	1166.9	1185.5	1234.6	1338.7	1428.0	1220.5
47.5°	1044.2	1051.8	1088.7	1143.3	1212.9	1251.9	1288.2	1362.5	1496.2	1576.3	1329.2
50°	1103.0	1108.0	1135.9	1211.7	1301.8	1353.2	1419.2	1506.7	1659.7	1699.2	1390.6
52.5°	1168.1	1169.7	1190.7	1287.0	1401.4	1466.2	1540.0	1648.0	1792.9	1786.9	1431.4
55°	1243.6	1241.2	1259.1	1368.7	1519.3	1593.4	1679.4	1792.6	1908.4	1849.1	1454.7
57.5°	1330.1	1323.7	1341.1	1477.1	1670.4	1759.0	1846.5	1917.5	1998.0	1901.3	1465.9
60°	1420.7	1407.8	1428.5	1598.9	1848.4	1932.5	2005.2	2024.2	2092.4	1942.7	1446.6
62.5°	1492.9	1493.1	1531.7	1728.5	2031.4	2105.0	2143.6	2160.8	2173.6	1933.7	1345.1
65°	1605.6	1609.4	1671.1	1908.4	2243.2	2307.1	2333.5	2277.8	2177.2	1821.2	1192.6
67.5°	1721.8	1734.0	1846.9	2156.2	2487.9	2539.4	2505.3	2300.4	2080.0	1564.6	904.3
70°	1759.7	1779.8	1965.9	2326.9	2634.7	2661.4	2546.1	2194.8	1738.8	1046.1	455.1
72.5°	1612.5	1644.9	1897.5	2264.7	2541.1	2518.0	2278.0	1840.8	1105.4	397.2	138.9
75°	1137.1	1151.4	1577.0	1878.6	2043.8	1978.2	1732.8	1186.7	454.6	111.5	47.7
77.5°	587.1	580.2	937.9	1246.5	1457.6	1389.7	1134.7	614.3	172.3	46.5	29.5
80°	303.6	308.6	405.8	653.1	889.8	818.7	605.0	284.8	91.7	25.7	22.6
82.5°	170.1	159.7	233.3	285.2	416.0	326.2	232.1	201.6	40.0	15.5	21.4
85°	31.0	32.4	128.0	154.2	144.4	91.7	74.8	134.6	11.7	8.6	15.0
87.5°	0.5	0.5	24.8	44.3	28.1	12.9	23.6	19.3	2.4	3.3	2.6
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°	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3
2.5°	550.7	541.6	524.7	508.0	486.8	469.4	457.7	445.6	433.2	434.2	437.0
5°	541.1	525.4	492.1	456.8	423.0	392.5	362.4	335.5	324.5	314.5	315.0
7.5°	531.6	509.5	460.6	405.3	354.1	302.1	264.5	233.5	217.1	204.7	201.1
10°	527.3	498.0	431.8	355.8	283.1	226.4	178.0	152.7	133.2	127.0	128.7
12.5°	529.2	492.3	405.8	311.0	224.5	157.7	123.9	111.0	106.8	106.0	105.6
15°	532.8	488.2	380.3	261.4	164.9	117.2	104.1	101.7	101.3	100.8	101.0
17.5°	537.6	484.7	353.1	214.9	126.5	102.5	98.6	97.5	97.2	97.2	97.2
20°	542.3	480.6	322.9	173.5	105.6	96.7	94.4	93.6	93.4	93.4	93.2
22.5°	547.8	477.0	292.1	136.3	97.2	92.7	90.5	90.1	89.8	89.6	89.6
25°	555.7	472.5	259.5	111.5	92.0	88.9	86.7	86.3	86.0	85.1	85.3
27.5°	566.2	469.2	225.9	96.3	87.2	84.1	82.7	82.0	81.5	80.8	81.0
30°	580.5	466.3	190.2	87.9	81.7	79.1	77.7	77.2	76.7	76.0	76.0
32.5°	605.2	467.5	152.5	81.3	76.7	73.6	72.2	71.7	71.2	70.5	70.5
35°	642.4	474.4	122.0	75.5	70.8	67.7	66.2	66.2	65.5	64.6	64.3
37.5°	703.2	492.1	97.9	70.1	65.1	62.2	60.5	60.0	59.3	57.9	57.7
40°	774.9	519.5	82.4	64.6	59.8	57.0	55.5	54.1	52.2	50.8	50.5
42.5°	865.0	547.6	71.5	59.1	54.8	52.2	50.5	48.1	45.3	43.4	43.1
45°	958.9	573.3	64.1	54.1	50.0	47.9	46.0	42.2	38.6	36.2	36.0
47.5°	1028.9	578.1	58.1	49.3	46.0	43.8	41.2	36.5	31.7	29.5	28.8
50°	1062.0	555.0	51.9	44.6	41.9	39.6	36.2	30.7	25.5	22.9	22.4
52.5°	1073.7	514.9	46.9	40.3	37.9	35.0	31.0	24.8	20.0	17.4	17.2
55°	1068.9	464.4	42.4	36.2	33.1	29.8	25.7	19.8	14.8	12.6	12.2
57.5°	1043.9	400.1	37.9	32.2	28.4	25.0	20.5	14.8	10.0	8.1	7.9
60°	976.5	312.4	33.4	27.6	24.1	20.5	16.2	10.5	6.2	4.5	4.5
62.5°	862.6	231.9	29.1	23.1	20.3	16.4	11.4	6.7	3.3	2.4	2.1
65°	720.8	171.1	24.3	19.5	16.9	12.9	8.1	4.1	1.7	0.7	0.5
67.5°	503.0	105.6	20.3	16.0	13.8	9.3	5.0	1.7	0.7	0.0	0.0
70°	228.5	50.3	15.5	12.2	10.5	6.7	2.6	1.0	0.5	0.0	0.0
72.5°	71.0	26.4	11.0	8.8	7.1	4.3	1.4	0.7	0.5	0.0	0.0
75°	32.9	16.9	6.9	4.8	4.1	2.1	1.0	0.5	0.2	0.0	0.0
77.5°	24.5	13.1	4.1	2.6	2.1	1.4	0.7	0.5	0.2	0.0	0.0
80°	21.4	6.7	2.4	1.7	1.2	1.0	0.5	0.2	0.0	0.0	0.0
82.5°	19.3	3.3	1.4	1.0	0.7	0.5	0.2	0.2	0.0	0.0	0.0
85°	10.5	1.9	1.0	0.7	0.5	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	1.9	1.0	0.7	0.5	0.5	0.2	0.2	0.2	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)