

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: P458656

Luminaire Tested: **GLAN-SA2A-735-U-T4W-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-735-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6197 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

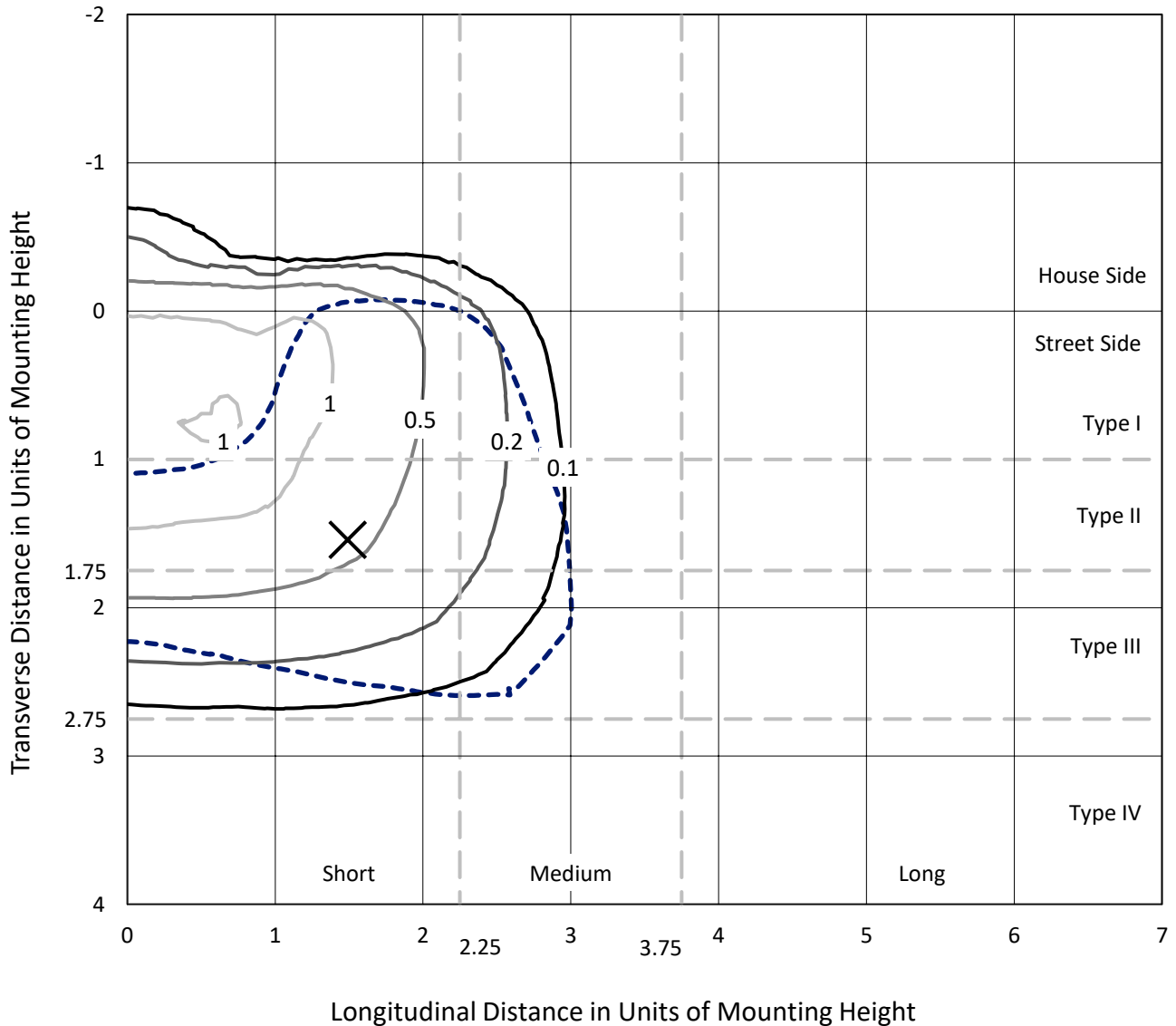
Input Watts (W): 63
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

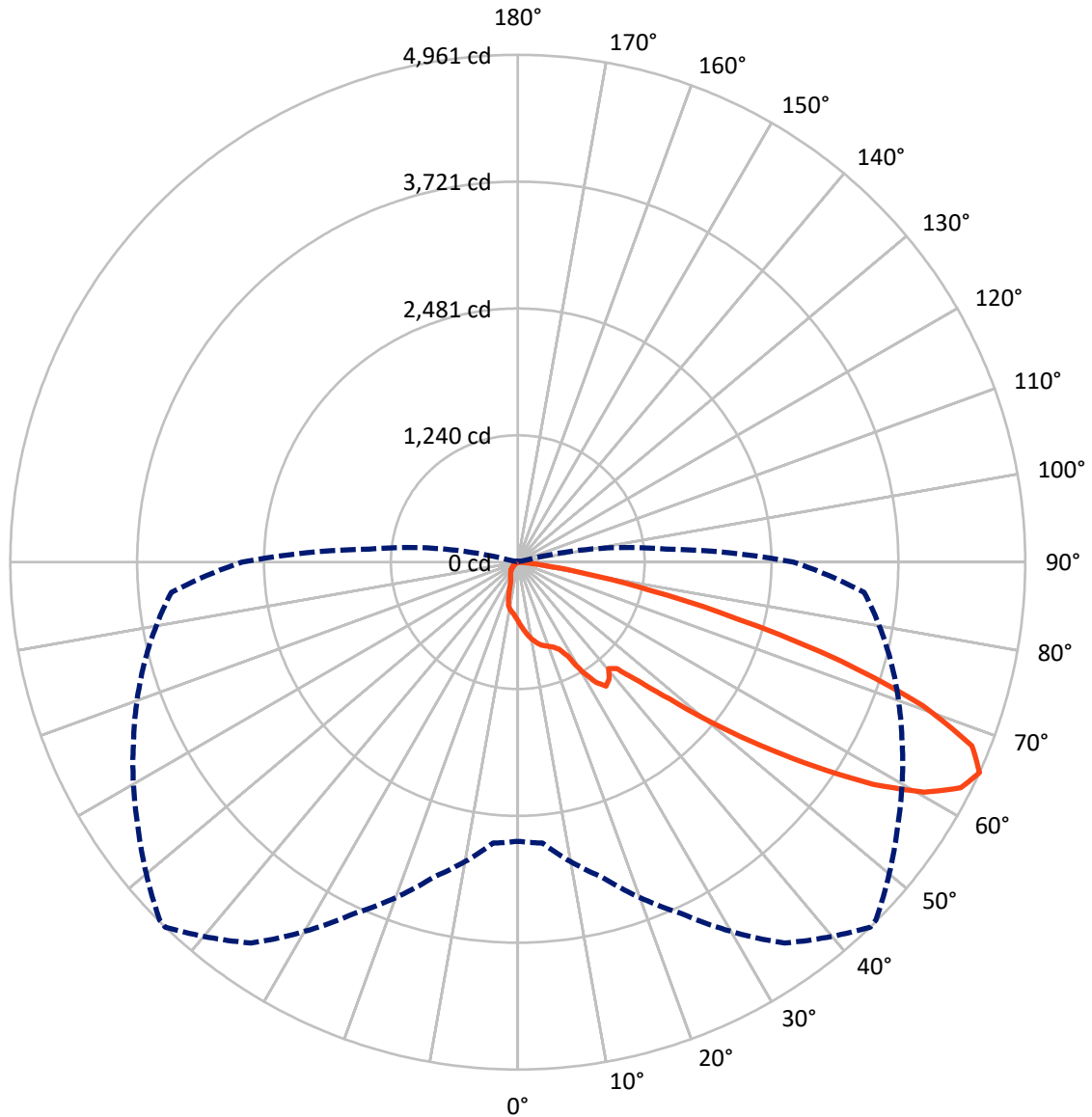
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	571.0	0.0	571.0
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	5626.0	0.0	5626.0
	% Fixture	90.8	0.0	90.8
Total	Lumens	6197.0	0.0	6197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	0.9
10°-20°	172.6	2.8
20°-30°	292.8	4.7
30°-40°	486.7	7.9
40°-50°	849.9	13.7
50°-60°	1660.3	26.8
60°-70°	1926.4	31.1
70°-80°	701.5	11.3
80°-90°	49.4	0.8
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°	6197.0	100.0
0°-180°	6197.0	100.0

Coefficient of Utilization



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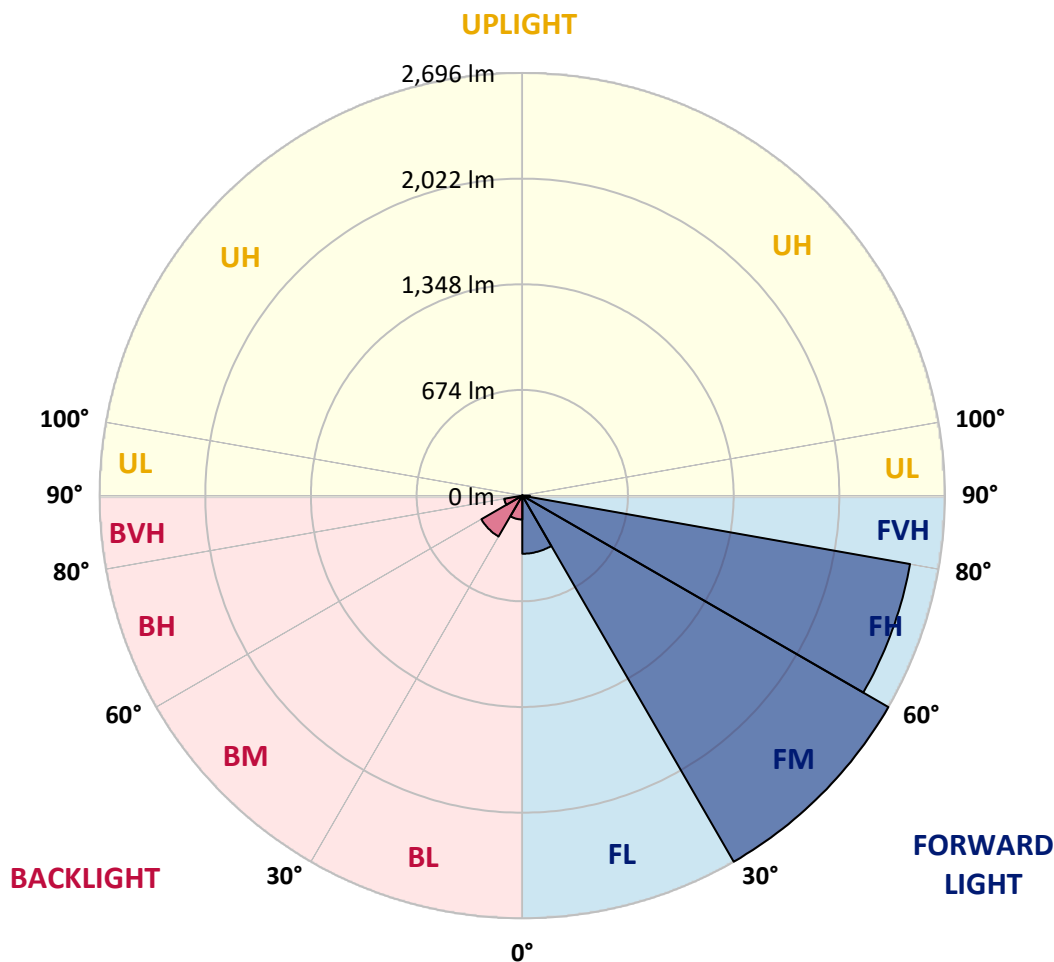
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.6	6.0			
FM (30°-60°)	2695.7	43.5			
FH (60°-80°)	2510.9	40.5			G2/5000
FVH (80°-90°)	48.8	0.8			G1/100
BL (0°-30°)	152.1	2.5	B1/500		
BM (30°-60°)	301.2	4.9	B1/1000		
BH (60°-80°)	116.9	1.9	B1/500		G1/500
BVH (80°-90°)	0.7	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8
2.5°	649.2	646.4	644.9	637.4	631.7	624.6	624.6	615.6	605.2	593.8	583.4
5°	721.7	716.9	710.8	704.1	690.9	671.9	671.9	653.0	631.2	611.8	590.5
7.5°	791.3	787.0	776.6	763.8	742.0	722.1	720.7	693.2	667.2	637.8	607.5
10°	852.3	849.0	840.0	815.4	792.7	766.6	766.2	735.4	705.1	669.1	631.7
12.5°	895.0	895.4	883.6	859.9	830.6	805.9	804.0	773.7	742.0	703.2	657.3
15°	925.3	925.3	913.0	886.4	859.9	838.1	836.2	809.7	777.1	734.9	685.2
17.5°	933.8	936.6	923.4	899.7	878.4	859.5	859.0	836.7	810.7	770.0	713.6
20°	930.5	933.3	922.9	904.4	889.8	878.9	877.4	868.4	844.3	805.9	743.9
22.5°	923.4	926.2	918.6	907.8	900.6	904.0	901.6	909.2	896.4	850.0	779.9
25°	924.8	927.6	922.0	915.8	922.0	942.3	948.5	981.1	969.8	905.9	818.7
27.5°	969.3	975.0	966.9	969.8	991.6	1038.9	1050.8	1107.1	1056.9	976.9	879.3
30°	1068.3	1064.5	1049.3	1063.1	1138.8	1239.2	1235.9	1226.9	1148.3	1058.8	951.3
32.5°	1158.2	1154.9	1154.0	1213.2	1350.5	1399.3	1396.9	1309.8	1230.2	1152.6	1022.3
35°	1194.7	1181.9	1179.1	1322.6	1552.2	1487.8	1473.1	1343.9	1329.7	1254.8	1094.8
37.5°	1304.6	1295.6	1251.5	1340.6	1471.7	1450.4	1439.0	1402.6	1435.7	1345.3	1176.7
40°	1530.9	1505.8	1466.0	1378.9	1357.6	1366.6	1378.0	1477.9	1561.2	1468.9	1286.1
42.5°	1812.2	1806.5	1732.6	1570.2	1410.6	1422.9	1437.6	1635.1	1741.6	1655.0	1464.6
45°	2149.8	2157.9	2051.3	1859.5	1650.2	1660.7	1682.0	1867.1	1986.0	1944.3	1745.4
47.5°	2456.7	2450.5	2414.5	2215.2	2022.0	1998.8	2033.3	2165.0	2324.1	2330.7	2093.9
50°	2765.4	2798.1	2744.6	2666.4	2523.0	2474.2	2461.4	2525.8	2768.2	2736.5	2512.5
52.5°	3209.1	3226.1	3125.8	3105.9	3138.5	2980.4	2967.6	2983.2	3200.1	3091.2	2826.0
55°	3488.0	3478.1	3440.6	3596.0	3725.2	3527.8	3511.7	3448.7	3558.6	3341.7	3127.6
57.5°	3576.1	3590.3	3677.4	3958.2	4264.1	4096.5	4067.1	3888.1	3817.1	3575.1	3405.1
60°	3536.8	3562.8	3750.8	4168.5	4592.7	4567.6	4542.5	4241.9	4002.7	3770.2	3599.8
62.5°	3256.9	3293.4	3594.1	4131.0	4704.0	4860.8	4829.5	4462.5	4126.3	3864.9	3633.8
65°	2729.4	2756.4	3188.3	3791.5	4545.9	4961.1	4949.8	4531.7	4145.7	3778.3	3400.4
67.5°	1945.7	2037.6	2437.7	3195.4	4078.0	4789.7	4809.1	4448.8	3963.4	3403.7	2816.1
70°	1223.1	1285.6	1572.6	2287.6	3269.2	4202.1	4266.0	4069.5	3439.7	2653.2	1885.1
72.5°	583.4	629.8	834.4	1448.0	2307.5	3306.2	3356.8	3340.7	2659.8	1671.6	972.6
75°	260.0	277.5	398.2	739.2	1489.7	2222.3	2353.4	2375.2	1662.1	817.8	378.3
77.5°	132.6	133.1	186.6	358.0	743.9	1325.9	1351.9	1428.2	901.1	360.4	131.6
80°	70.6	75.3	99.0	169.0	385.9	653.0	649.7	714.1	399.7	176.6	44.0
82.5°	31.7	35.0	55.9	88.5	188.5	247.7	267.1	292.2	171.4	112.7	19.4
85°	9.5	11.4	27.5	44.5	68.2	71.5	80.0	103.2	97.1	80.0	9.9
87.5°	1.4	1.4	11.4	12.3	9.9	12.8	13.3	14.7	31.3	29.4	5.2
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°	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8
2.5°	577.7	574.4	562.6	552.6	544.1	538.9	532.7	528.9	527.0	525.6	526.1
5°	580.1	572.0	551.7	535.6	523.2	510.0	501.0	495.8	493.4	489.6	489.6
7.5°	593.3	580.5	552.1	527.5	506.2	488.2	471.2	465.0	460.7	459.8	458.8
10°	612.3	596.2	557.3	523.2	492.9	468.3	444.2	422.9	406.3	396.3	394.9
12.5°	635.9	612.7	565.4	520.4	481.6	438.0	374.1	331.0	302.1	293.1	294.5
15°	657.7	632.6	573.4	518.0	460.7	363.2	290.7	241.5	226.8	225.4	225.9
17.5°	683.8	653.9	582.9	514.7	403.4	277.5	215.9	202.7	205.5	210.2	209.8
20°	710.8	676.7	594.3	494.8	322.0	208.8	190.8	192.3	196.5	200.8	201.7
22.5°	739.6	702.7	607.5	447.0	245.8	181.8	180.9	182.8	187.0	191.8	192.7
25°	779.4	735.4	617.5	384.5	186.1	168.1	170.0	173.3	177.1	182.3	183.3
27.5°	830.6	779.4	622.7	303.1	161.0	155.8	156.3	161.0	165.7	170.5	170.5
30°	896.9	832.0	612.3	229.2	148.7	144.0	142.1	144.9	151.1	155.8	156.3
32.5°	956.1	881.7	584.8	175.2	139.7	133.1	128.3	128.8	131.2	134.0	134.5
35°	1015.2	930.0	537.9	147.3	130.2	122.6	115.5	111.8	109.9	108.4	109.9
37.5°	1091.0	990.1	475.4	134.0	122.2	112.7	102.8	94.7	88.1	83.8	84.8
40°	1188.6	1073.5	401.6	125.5	114.6	103.2	90.0	79.6	68.2	64.4	62.5
42.5°	1349.6	1199.9	323.9	118.4	107.0	93.3	76.7	62.5	52.1	48.3	49.2
45°	1603.8	1359.5	249.5	110.8	99.4	82.4	64.4	49.2	40.7	38.8	39.8
47.5°	1941.0	1566.0	192.3	102.3	90.0	70.6	50.7	38.8	33.6	33.1	32.7
50°	2258.3	1758.2	160.5	92.8	78.6	58.7	41.7	32.7	29.4	28.9	28.9
52.5°	2545.2	1896.0	130.7	81.9	66.3	48.3	35.0	28.9	26.0	24.6	24.6
55°	2800.4	1986.0	106.1	68.7	52.1	38.4	30.3	26.0	22.7	20.8	20.4
57.5°	2993.2	1996.9	79.6	54.9	38.8	29.8	26.0	22.7	18.9	16.6	15.6
60°	3075.6	1902.6	58.7	41.7	28.9	23.7	20.8	18.5	14.2	11.8	11.4
62.5°	2992.7	1719.4	43.6	31.7	22.3	17.5	14.7	13.7	9.9	7.1	6.6
65°	2695.8	1454.7	34.6	24.1	16.6	12.8	9.5	9.0	6.2	3.3	2.8
67.5°	2159.8	1139.3	27.5	18.0	11.8	8.5	6.2	5.7	3.3	0.9	0.9
70°	1404.5	728.3	22.3	13.3	7.6	5.7	3.8	2.8	1.9	0.5	0.0
72.5°	694.7	340.5	18.0	10.4	5.2	2.8	1.4	0.9	1.4	0.0	0.0
75°	269.4	121.2	13.3	7.1	2.8	1.4	0.9	0.0	0.5	0.0	0.0
77.5°	89.5	40.2	8.0	3.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0
80°	33.1	15.6	4.3	2.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	13.3	6.2	2.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.6	3.8	1.9	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	2.8	1.9	1.4	0.9	0.5	0.0	0.0	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)