

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: P529793

Luminaire Tested: **GLAN-SA5A-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-727-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11201 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

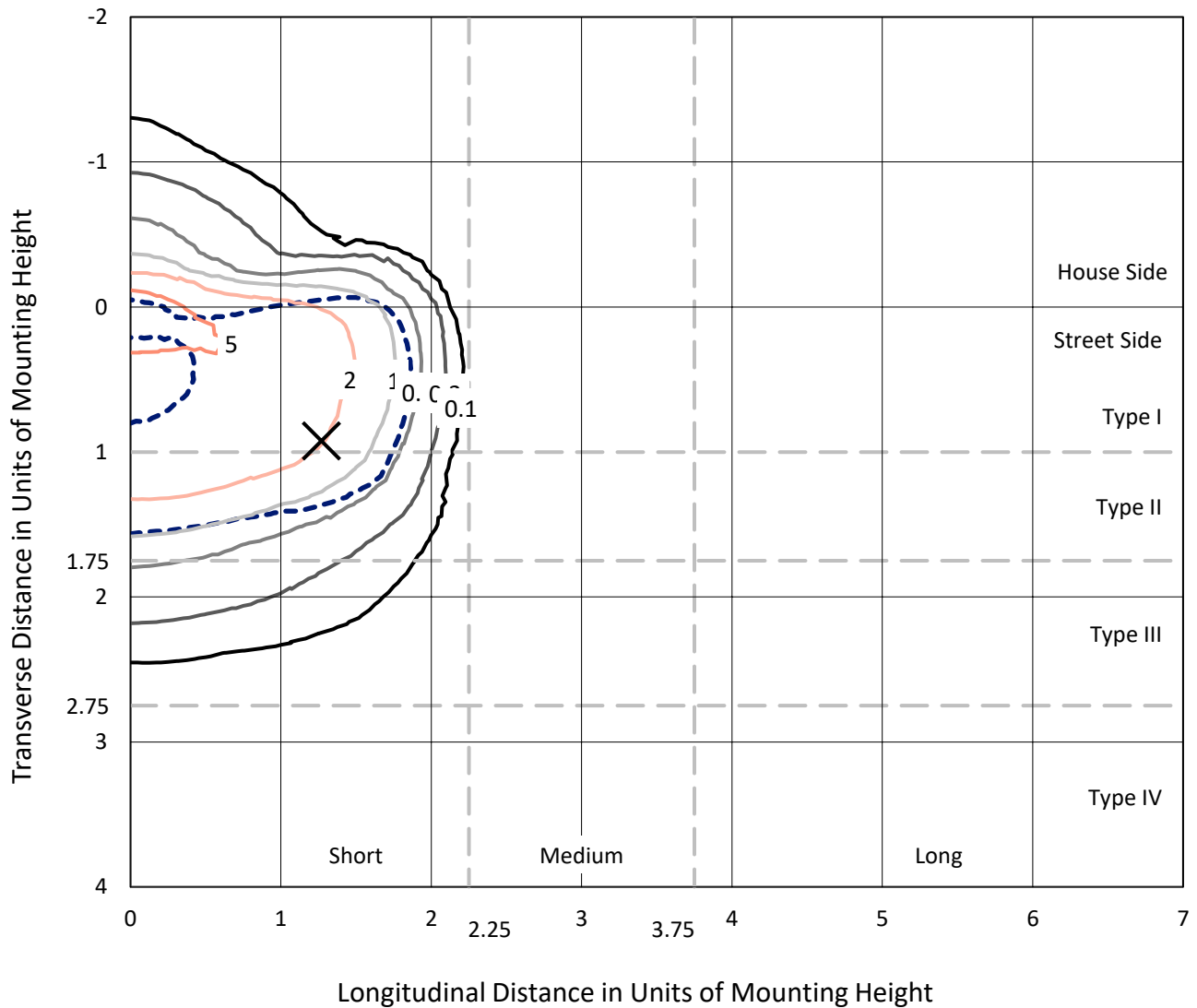
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

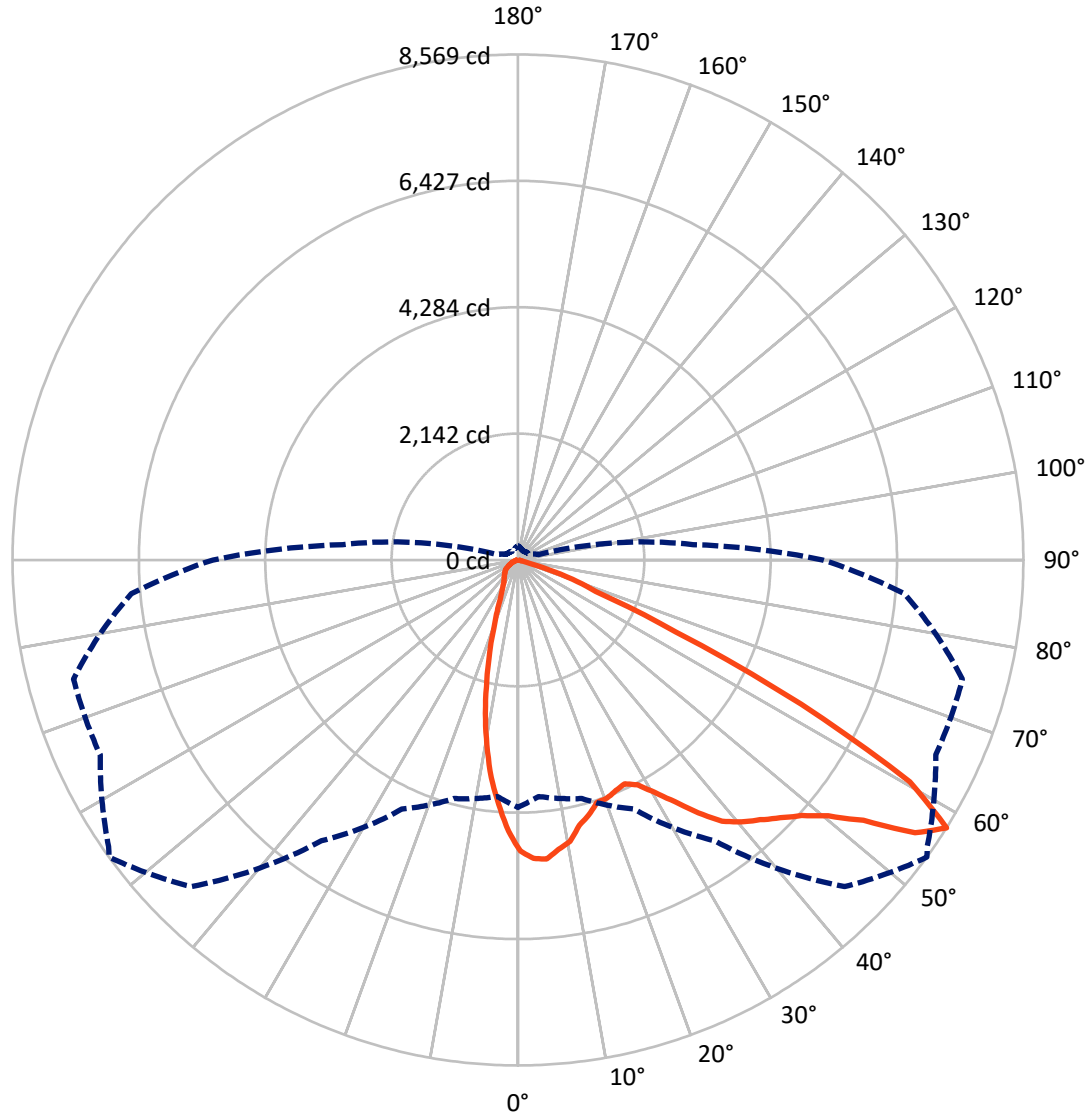
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.9	0.0	1582.9
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	9618.1	0.0	9618.1
	% Fixture	85.9	0.0	85.9
Total	Lumens	11201.0	0.0	11201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.9	3.7
10°-20°	881.5	7.9
20°-30°	1168.2	10.4
30°-40°	1697.7	15.2
40°-50°	2517.5	22.5
50°-60°	3148.1	28.1
60°-70°	1241.8	11.1
70°-80°	123.6	1.1
80°-90°	9.6	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°	11201.0	100.0
0°-180°	11201.0	100.0

Coefficient of Utilization

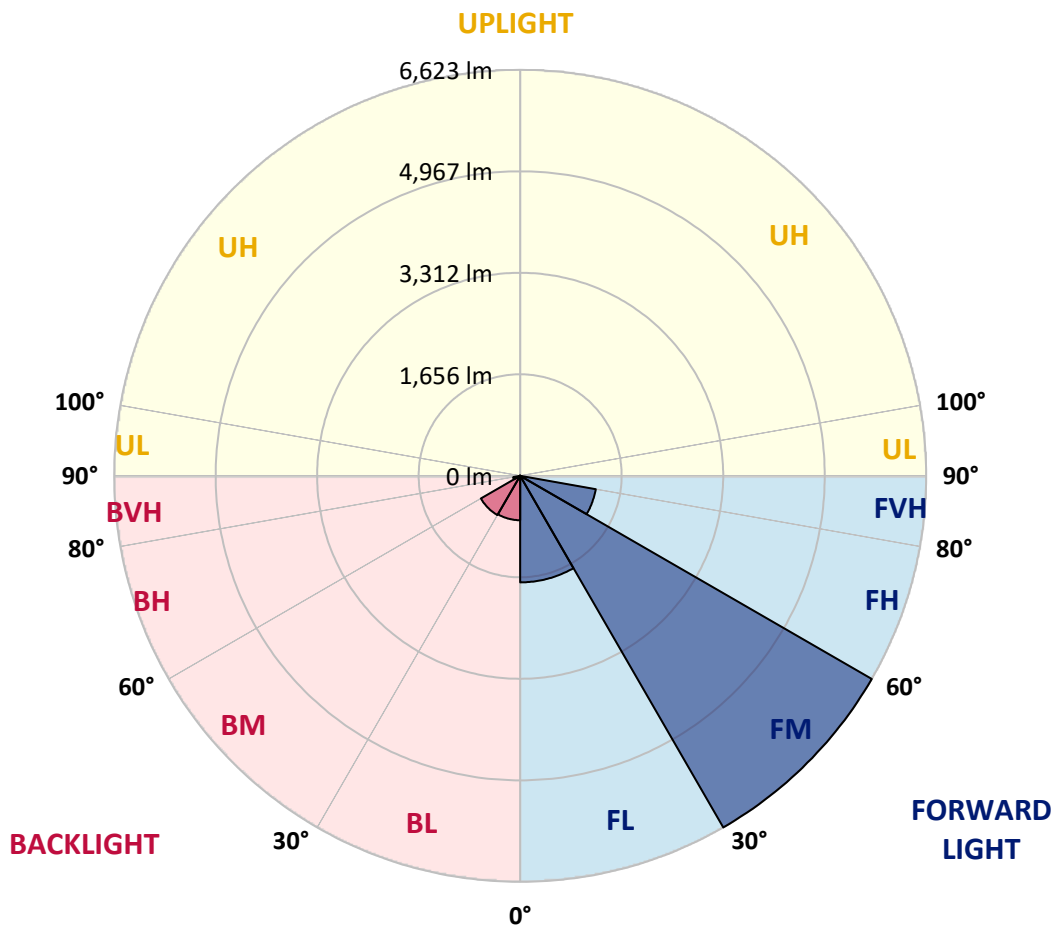


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1738.7	15.5			
FM (30°-60°)	6623.1	59.1			
FH (60°-80°)	1251.9	11.2			G1/1800
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	723.9	6.5	B2/1000		
BM (30°-60°)	740.2	6.6	B1/1000		
BH (60°-80°)	113.5	1.0	B1/500		G1/500
BVH (80°-90°)	5.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2
2.5°	5221.6	5167.5	5171.6	5152.9	5127.9	5146.6	5065.4	5084.2	5082.1	4971.7	4898.8
5°	5090.4	5148.7	5088.3	5138.3	5090.4	5142.5	5092.5	5055.0	4994.6	4913.4	4778.0
7.5°	4867.5	4811.3	4828.0	4890.5	4900.9	5017.5	4955.0	5002.9	4977.9	4817.6	4632.2
10°	4419.7	4407.2	4490.6	4573.9	4675.9	4800.9	4848.8	4821.7	4803.0	4742.6	4494.7
12.5°	4076.1	4111.5	4109.4	4246.9	4419.7	4490.6	4615.5	4611.4	4715.5	4603.0	4365.6
15°	3749.1	3767.8	3855.3	3940.7	4132.3	4334.3	4488.5	4509.3	4634.3	4555.1	4265.6
17.5°	3549.1	3522.0	3590.8	3692.8	3888.6	4153.1	4323.9	4373.9	4544.7	4528.0	4151.1
20°	3351.3	3351.3	3407.5	3528.3	3707.4	4005.3	4309.3	4294.8	4544.7	4496.8	4028.2
22.5°	3284.6	3317.9	3332.5	3424.1	3636.6	3892.8	4246.9	4273.9	4580.1	4482.2	3974.0
25°	3376.2	3332.5	3336.7	3409.6	3609.5	3838.6	4201.0	4261.4	4644.7	4555.1	3930.3
27.5°	3390.8	3434.6	3447.1	3497.0	3630.3	3855.3	4315.6	4438.5	4805.1	4725.9	3942.8
30°	3517.9	3561.6	3559.5	3644.9	3736.6	3990.7	4571.8	4596.8	5136.2	4940.4	4019.8
32.5°	3672.0	3717.8	3732.4	3832.4	3905.3	4238.5	4884.2	4948.8	5454.9	5277.9	4221.9
35°	3863.6	3847.0	3913.6	4013.6	4169.8	4600.9	5265.4	5373.7	5798.6	5715.2	4430.1
37.5°	4103.1	4082.3	4146.9	4309.3	4521.8	5030.0	5617.4	5688.2	6048.5	6121.4	4815.5
40°	4271.9	4280.2	4476.0	4694.7	4919.6	5438.2	5840.2	5908.9	6223.5	6500.5	5107.1
42.5°	4553.0	4605.1	4840.5	5107.1	5342.4	5744.4	6021.4	6088.1	6304.7	6804.6	5500.7
45°	4961.3	4938.4	5198.7	5496.6	5756.9	6063.1	6236.0	6213.0	6352.6	7106.6	5748.6
47.5°	5486.1	5490.3	5663.2	5917.3	6188.0	6340.1	6475.5	6394.2	6452.6	7425.2	6079.7
50°	5844.4	5875.6	6015.2	6275.5	6410.9	6644.2	6817.1	6767.1	6748.3	7616.9	6288.0
52.5°	5936.0	6029.8	6104.7	6429.7	6746.2	7114.9	7335.7	7441.9	7108.7	7681.4	6552.5
55°	5244.5	5327.8	5592.4	6038.1	6873.3	7860.5	8164.6	8166.7	7579.4	7968.9	6737.9
57.5°	4192.7	4024.0	4186.5	4659.3	5811.1	7829.3	8568.7	8470.8	7814.7	7800.1	6577.5
60°	2899.3	2857.6	2868.0	3055.5	4021.9	6227.6	7635.6	7762.7	7196.1	6760.8	5207.0
62.5°	2297.3	2261.9	2216.1	2195.3	2497.3	3880.3	5386.2	5565.3	5032.1	4384.3	3086.7
65°	1799.6	1778.7	1785.0	1868.3	1866.2	2201.5	2945.1	2872.2	2299.4	1699.6	970.6
67.5°	1214.3	1245.5	1270.5	1522.5	1651.7	1533.0	1422.6	1380.9	747.7	314.5	214.5
70°	683.2	687.3	714.4	951.8	1253.9	1189.3	981.0	981.0	372.8	114.6	122.9
72.5°	372.8	360.3	335.3	410.3	558.2	566.5	437.4	381.2	110.4	75.0	68.7
75°	181.2	179.1	154.1	127.1	120.8	100.0	77.1	70.8	50.0	47.9	41.7
77.5°	37.5	35.4	18.7	18.7	20.8	22.9	29.2	29.2	35.4	35.4	29.2
80°	0.0	0.0	2.1	8.3	14.6	20.8	25.0	25.0	29.2	29.2	22.9
82.5°	0.0	0.0	2.1	6.2	12.5	18.7	22.9	25.0	29.2	31.2	25.0
85°	0.0	0.0	0.0	4.2	10.4	14.6	12.5	12.5	10.4	8.3	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2
2.5°	4861.3	4857.1	4761.3	4707.2	4609.3	4523.9	4455.1	4405.2	4405.2	4373.9	4344.8
5°	4723.8	4688.4	4484.3	4353.1	4167.7	4030.2	3936.5	3863.6	3749.1	3780.3	3657.4
7.5°	4553.0	4463.5	4192.7	3992.8	3736.6	3540.8	3340.8	3163.8	2993.0	2915.9	2957.6
10°	4369.7	4213.5	3849.0	3532.5	3213.8	2855.5	2622.3	2339.0	2164.0	2153.6	2107.8
12.5°	4176.0	3999.0	3555.4	3118.0	2699.3	2268.2	1912.0	1647.5	1528.8	1397.6	1422.6
15°	4030.2	3767.8	3228.4	2701.4	2145.3	1710.0	1351.7	1147.6	1035.2	1003.9	993.5
17.5°	3872.0	3590.8	2895.1	2257.8	1682.9	1230.9	972.7	874.8	831.0	831.0	824.8
20°	3707.4	3390.8	2563.9	1845.4	1262.2	918.5	779.0	747.7	745.6	743.6	743.6
22.5°	3599.1	3161.7	2264.0	1466.3	951.8	735.2	676.9	664.4	672.7	697.7	697.7
25°	3484.6	2940.9	1932.9	1131.0	737.3	631.1	597.8	606.1	626.9	649.8	641.5
27.5°	3367.9	2797.2	1620.4	887.3	604.0	551.9	539.4	558.2	581.1	601.9	595.7
30°	3340.8	2643.1	1324.7	672.7	518.6	481.1	489.5	506.1	529.0	537.4	545.7
32.5°	3382.5	2522.3	1085.1	551.9	452.0	441.6	441.6	449.9	464.5	483.2	477.0
35°	3501.2	2453.6	858.1	479.0	414.5	404.1	402.0	410.3	418.6	424.9	418.6
37.5°	3682.4	2399.4	701.9	424.9	389.5	372.8	368.7	366.6	374.9	377.0	381.2
40°	3913.6	2428.6	595.7	391.6	364.5	345.7	333.3	333.3	333.3	339.5	341.6
42.5°	4163.5	2468.1	514.5	372.8	341.6	318.7	306.2	302.0	306.2	314.5	312.4
45°	4426.0	2545.2	462.4	343.7	320.8	291.6	274.9	270.8	281.2	297.8	295.8
47.5°	4671.8	2655.6	422.8	324.9	299.9	272.8	252.0	247.9	266.6	289.5	291.6
50°	4917.5	2847.2	408.2	310.3	285.3	254.1	235.4	231.2	252.0	281.2	287.4
52.5°	5200.8	3053.4	397.8	291.6	268.7	239.5	218.7	214.5	237.4	274.9	277.0
55°	5386.2	3228.4	389.5	258.3	237.4	216.6	200.0	197.9	222.9	256.2	264.5
57.5°	5169.5	2984.7	360.3	224.9	202.0	191.6	177.0	177.0	197.9	229.1	235.4
60°	3919.9	1964.1	256.2	181.2	170.8	164.5	158.3	158.3	175.0	197.9	200.0
62.5°	2295.3	1058.1	164.5	145.8	145.8	139.5	129.1	129.1	145.8	158.3	160.4
65°	681.1	339.5	133.3	125.0	122.9	112.5	102.1	100.0	112.5	118.7	116.6
67.5°	195.8	156.2	110.4	104.1	102.1	85.4	79.1	77.1	79.1	75.0	72.9
70°	116.6	106.2	85.4	87.5	77.1	62.5	56.2	54.2	50.0	43.7	39.6
72.5°	64.6	64.6	62.5	66.7	54.2	41.7	35.4	29.2	22.9	18.7	16.7
75°	39.6	41.7	43.7	45.8	35.4	27.1	22.9	14.6	8.3	4.2	4.2
77.5°	27.1	29.2	31.2	33.3	29.2	25.0	18.7	10.4	2.1	0.0	0.0
80°	20.8	22.9	27.1	29.2	31.2	33.3	25.0	10.4	2.1	0.0	0.0
82.5°	22.9	25.0	31.2	29.2	29.2	29.2	22.9	10.4	2.1	0.0	0.0
85°	4.2	6.2	10.4	10.4	14.6	18.7	14.6	4.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)