

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: P323810

Luminaire Tested: **GAN-SA6C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH 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: 31267 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

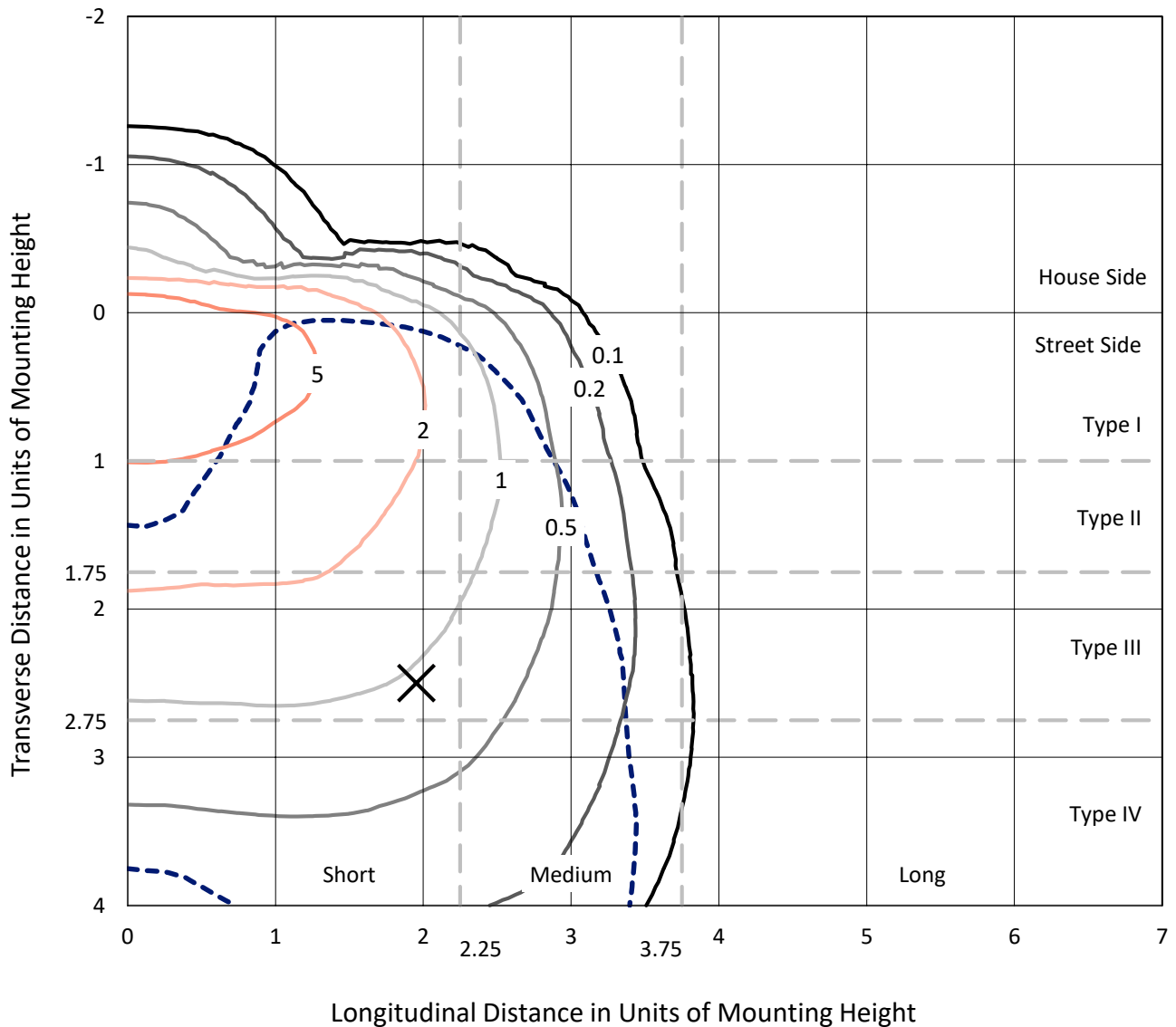
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

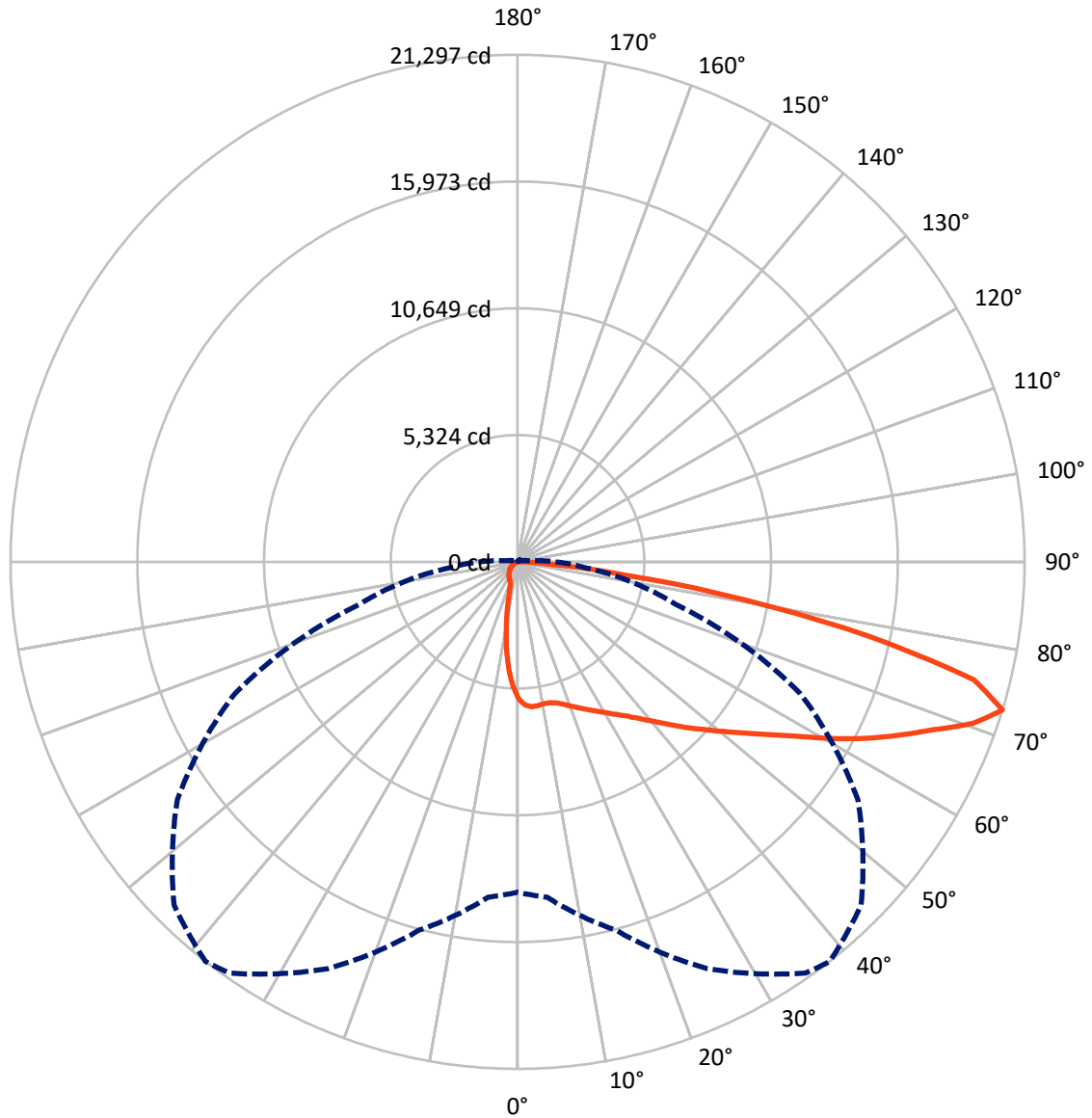
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2631.2	0.0	2631.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	28635.8	0.0	28635.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	31267.0	0.0	31267.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.0	1.6
10°-20°	1198.2	3.8
20°-30°	1905.7	6.1
30°-40°	2865.0	9.2
40°-50°	4370.7	14.0
50°-60°	6177.2	19.8
60°-70°	7748.3	24.8
70°-80°	5793.6	18.5
80°-90°	718.4	2.3
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°	31267.0	100.0
0°-180°	31267.0	100.0



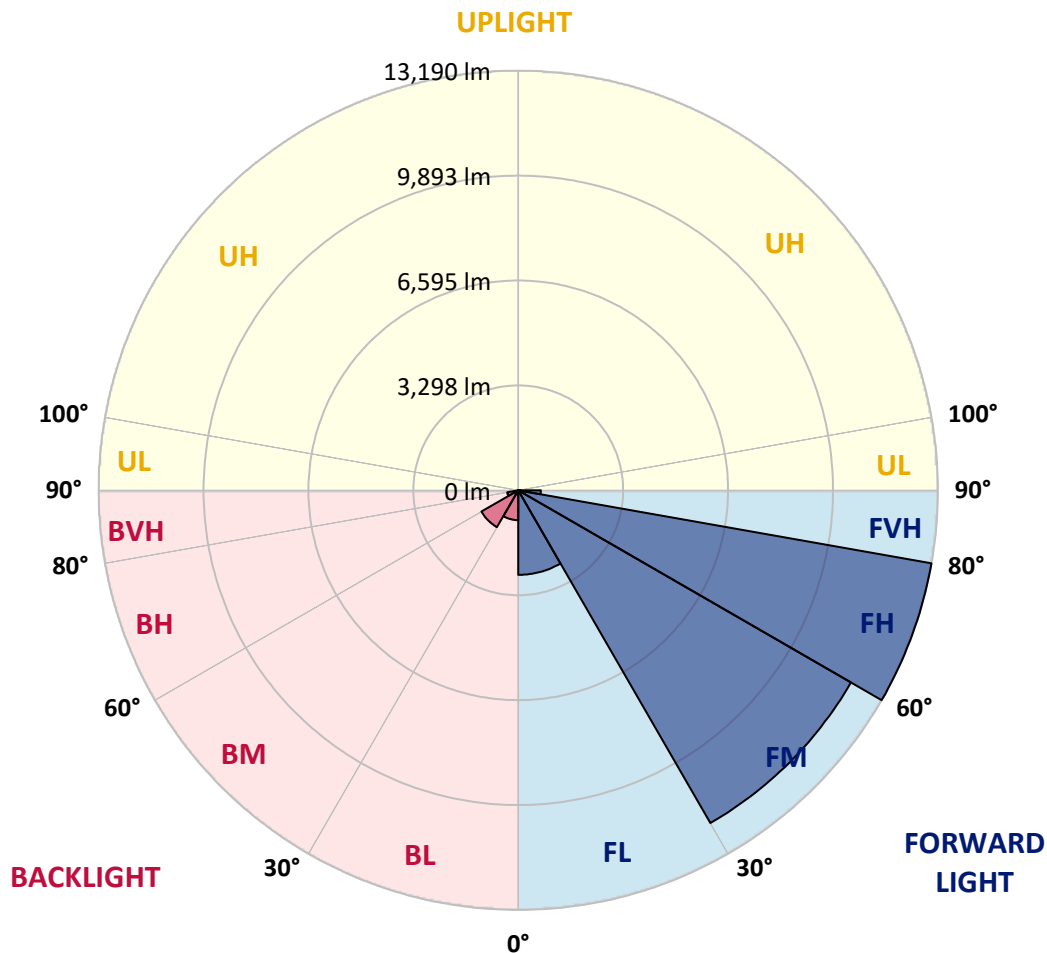
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2656.9	8.5			
FM (30°-60°)	12076.7	38.6			
FH (60°-80°)	13190.4	42.2			G5
FVH (80°-90°)	711.7	2.3			G4/750
BL (0°-30°)	936.9	3.0	B2/1000		
BM (30°-60°)	1336.2	4.3	B2/2500		
BH (60°-80°)	351.5	1.1	B1/500		G1/500
BVH (80°-90°)	6.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9
2.5°	6103.1	6104.4	6090.1	6066.7	6036.9	6021.3	5995.3	5953.8	5909.6	5830.4	5744.7
5°	6227.8	6227.8	6209.6	6178.4	6130.4	6116.1	6066.7	6000.5	5909.6	5781.1	5636.9
7.5°	6214.8	6217.4	6192.7	6160.2	6112.2	6099.2	6039.5	5965.5	5852.5	5696.7	5512.3
10°	6147.2	6153.7	6134.3	6118.7	6074.5	6060.2	6004.4	5930.4	5817.4	5651.2	5439.5
12.5°	6078.4	6084.9	6091.4	6105.7	6078.4	6073.2	6029.1	5966.8	5859.0	5686.3	5447.3
15°	6034.3	6047.3	6094.0	6149.8	6156.3	6151.1	6122.6	6064.1	5955.1	5775.9	5503.2
17.5°	6034.3	6055.1	6152.4	6258.9	6296.6	6300.5	6275.8	6194.0	6064.1	5872.0	5555.1
20°	6084.9	6113.5	6265.4	6416.0	6478.4	6478.4	6430.3	6316.1	6164.1	5959.0	5590.2
22.5°	6214.8	6252.4	6443.3	6617.3	6683.5	6669.3	6604.3	6438.1	6268.0	6057.7	5634.3
25°	6470.6	6499.2	6697.8	6873.1	6913.4	6880.9	6799.1	6586.2	6400.5	6191.4	5714.8
27.5°	6800.4	6804.3	7009.5	7157.5	7132.8	7110.8	7008.2	6771.8	6591.3	6382.3	5853.8
30°	7162.7	7162.7	7343.2	7456.2	7380.9	7362.7	7260.1	6996.5	6835.5	6642.0	6051.2
32.5°	7513.3	7528.9	7675.6	7747.0	7662.6	7644.5	7544.5	7280.9	7160.1	7038.0	6358.9
35°	7852.2	7863.9	8002.9	8041.8	7961.3	7966.5	7895.1	7671.7	7626.3	7610.7	6822.5
37.5°	8180.7	8183.3	8324.9	8349.6	8309.3	8353.5	8359.9	8162.6	8247.0	8372.9	7475.6
40°	8480.7	8483.3	8623.5	8687.2	8756.0	8813.1	8863.8	8758.6	9037.8	9330.0	8253.5
42.5°	8720.9	8748.2	8926.1	9046.9	9228.7	9337.7	9475.4	9470.2	9979.2	10418.1	9193.6
45°	8932.6	8979.3	9227.4	9439.0	9750.7	9924.7	10140.2	10309.0	11038.8	11629.6	10145.4
47.5°	9211.8	9255.9	9539.0	9885.7	10301.3	10529.8	10886.9	11251.8	12203.6	12819.1	11075.2
50°	9605.2	9585.8	9864.9	10362.3	10896.0	11195.9	11705.0	12251.6	13359.3	13855.3	11621.9
52.5°	10024.7	10016.9	10223.3	10880.4	11597.2	11947.8	12620.4	13285.3	14464.3	14569.5	11872.5
55°	10544.1	10488.2	10662.2	11471.2	12429.5	12806.1	13598.2	14308.5	15344.7	14972.1	11998.4
57.5°	11088.2	10996.0	11162.2	12129.6	13368.4	13813.8	14681.2	15305.8	15930.4	15247.4	11997.1
60°	11650.4	11541.3	11738.7	12952.9	14534.5	15050.0	15855.1	15979.7	16477.1	15386.3	11908.8
62.5°	12120.5	12055.6	12349.0	13833.3	15836.9	16343.3	16742.0	16592.6	16938.0	15494.1	11702.4
65°	12617.8	12621.7	13095.7	14860.4	17221.1	17562.6	17596.4	17387.3	17323.7	15472.0	11003.8
67.5°	13290.5	13352.8	14143.6	16255.0	18567.7	18831.3	18828.7	18248.3	17605.5	14594.2	9454.6
70°	14002.1	14148.8	15351.2	17850.9	20037.6	20305.1	20167.5	18796.2	16577.1	11801.1	6691.3
72.5°	13882.6	14137.1	16022.6	18857.3	21093.3	21297.2	20402.5	17449.7	13102.2	6858.8	2849.0
75°	10710.3	11005.1	14691.6	17860.0	19985.7	19802.6	17530.2	13578.7	7160.1	1914.0	641.5
77.5°	5657.7	5814.8	9705.2	13606.0	15583.7	15200.6	12349.0	7532.8	2182.8	474.0	288.3
80°	2963.2	2999.6	4229.3	7719.8	9618.2	9620.8	7318.5	3308.7	899.9	242.8	193.5
82.5°	1586.8	1618.0	2234.8	3567.1	5039.6	4568.2	2802.2	1820.5	523.3	137.6	185.7
85°	381.8	388.3	1267.4	1629.7	1981.6	1415.4	832.4	1528.4	141.5	80.5	150.6
87.5°	146.7	149.3	470.1	705.1	505.1	327.2	389.6	570.1	18.2	31.2	23.4
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°	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9	5749.9
2.5°	5692.8	5659.0	5575.9	5470.7	5377.2	5309.7	5208.4	5142.2	5098.0	5096.7	5079.9
5°	5548.6	5479.8	5300.6	5087.6	4894.2	4720.2	4515.0	4352.7	4231.9	4212.4	4170.9
7.5°	5394.1	5281.1	5005.8	4673.4	4348.8	4019.0	3635.9	3398.3	3194.4	3097.0	3086.6
10°	5299.3	5140.9	4750.0	4269.6	3760.5	3224.3	2723.0	2376.3	2125.7	2054.3	2001.0
12.5°	5279.8	5070.8	4552.7	3890.4	3163.2	2454.2	1899.8	1531.0	1331.0	1267.4	1250.5
15°	5299.3	5038.3	4386.4	3515.1	2558.1	1741.3	1275.2	1060.9	985.6	967.4	966.1
17.5°	5311.0	4999.3	4198.2	3098.3	1971.2	1244.0	976.5	914.2	902.5	901.2	903.8
20°	5309.7	4939.6	3973.5	2633.4	1466.0	977.8	883.0	870.0	867.4	868.7	867.4
22.5°	5300.6	4869.5	3726.8	2154.3	1107.6	873.9	842.7	835.0	833.7	833.7	833.7
25°	5317.5	4813.7	3455.4	1695.9	912.9	825.9	806.4	799.9	798.6	798.6	796.0
27.5°	5378.5	4782.5	3158.0	1305.0	824.6	783.0	767.4	766.1	762.2	760.9	763.5
30°	5477.2	4782.5	2832.1	1015.5	771.3	738.9	727.2	724.6	723.3	722.0	723.3
32.5°	5651.2	4818.9	2476.3	844.0	720.7	689.5	681.7	685.6	681.7	681.7	681.7
35°	5965.5	4927.9	2103.6	736.3	667.4	641.5	633.7	638.9	636.3	636.3	635.0
37.5°	6423.8	5130.5	1728.3	671.3	620.7	593.4	583.0	590.8	588.2	588.2	586.9
40°	6982.2	5425.3	1371.2	622.0	575.2	546.7	537.6	541.5	535.0	535.0	537.6
42.5°	7671.7	5799.2	1059.6	574.0	529.8	502.5	497.3	493.4	481.8	475.3	476.6
45°	8437.9	6188.8	825.9	527.2	486.9	464.9	457.1	446.7	427.2	414.2	415.5
47.5°	9122.2	6488.8	671.3	481.8	448.0	431.1	419.4	399.9	371.4	355.8	357.1
50°	9481.9	6534.2	571.4	436.3	411.6	394.8	377.9	348.0	314.2	297.4	296.1
52.5°	9574.1	6321.3	497.3	394.8	375.3	355.8	333.7	293.5	255.8	237.6	235.0
55°	9607.8	5996.6	431.1	355.8	336.3	314.2	285.7	240.2	205.2	187.0	185.7
57.5°	9496.2	5512.3	379.2	320.7	297.4	270.1	235.0	192.2	158.4	144.1	144.1
60°	9248.1	4856.5	338.9	283.1	257.1	225.9	189.6	149.3	118.2	106.5	106.5
62.5°	8753.4	4007.3	301.3	244.1	219.5	187.0	153.2	113.0	83.1	76.6	77.9
65°	7819.8	3039.9	263.6	209.1	187.0	154.5	119.5	80.5	55.8	55.8	58.4
67.5°	6377.1	2111.4	224.6	177.9	161.0	126.0	90.9	55.8	39.0	44.2	49.3
70°	4221.5	1184.3	192.2	146.7	137.6	100.0	67.5	37.7	31.2	41.6	50.6
72.5°	1593.3	461.0	161.0	118.2	119.5	76.6	48.0	28.6	28.6	45.4	59.7
75°	444.1	225.9	115.6	87.0	93.5	55.8	35.1	24.7	27.3	51.9	70.1
77.5°	261.0	166.2	75.3	50.6	63.6	39.0	23.4	19.5	23.4	44.2	67.5
80°	210.4	88.3	44.2	26.0	35.1	22.1	15.6	11.7	6.5	16.9	35.1
82.5°	210.4	53.2	20.8	18.2	18.2	11.7	7.8	5.2	1.3	0.0	9.1
85°	141.5	22.1	13.0	11.7	9.1	3.9	2.6	1.3	0.0	0.0	0.0
87.5°	23.4	9.1	5.2	2.6	1.3	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)