

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: P323179

Luminaire Tested: **GAN-SA5D-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5D-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29253 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

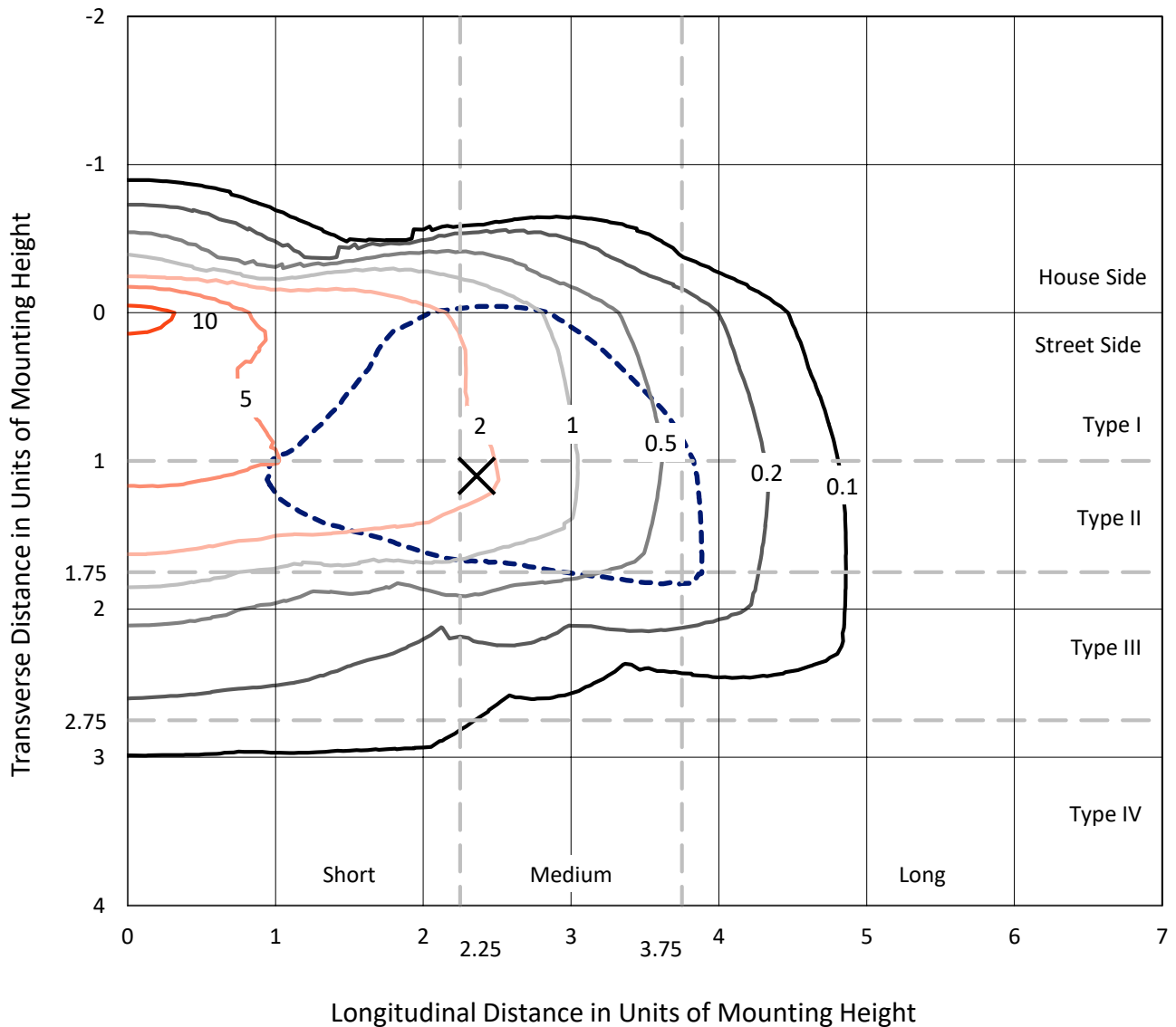
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

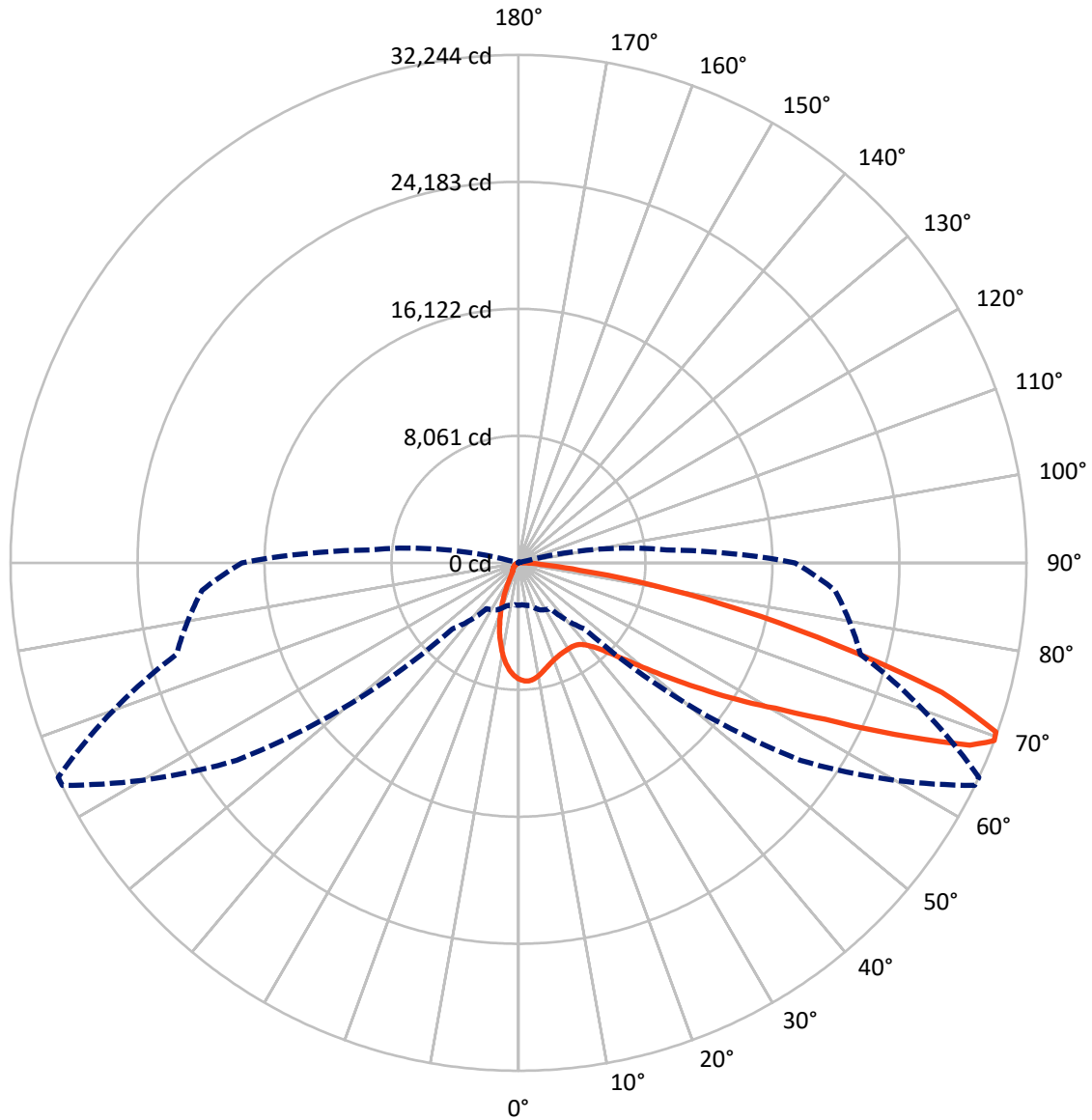
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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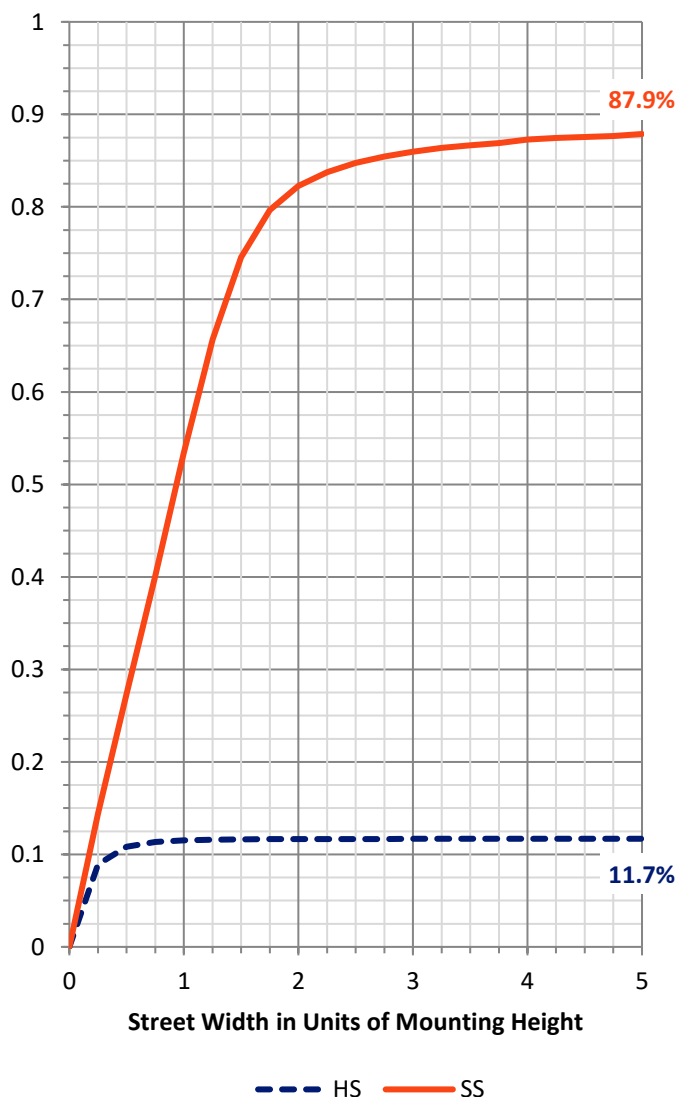
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3448.2	0.0	3448.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	25804.8	0.0	25804.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	29253.0	0.0	29253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.1	2.1
10°-20°	1353.2	4.6
20°-30°	1874.2	6.4
30°-40°	2613.2	8.9
40°-50°	4061.8	13.9
50°-60°	6520.7	22.3
60°-70°	7376.0	25.2
70°-80°	4332.0	14.8
80°-90°	503.9	1.7
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°	29253.0	100.0
0°-180°	29253.0	100.0

Coefficient of Utilization

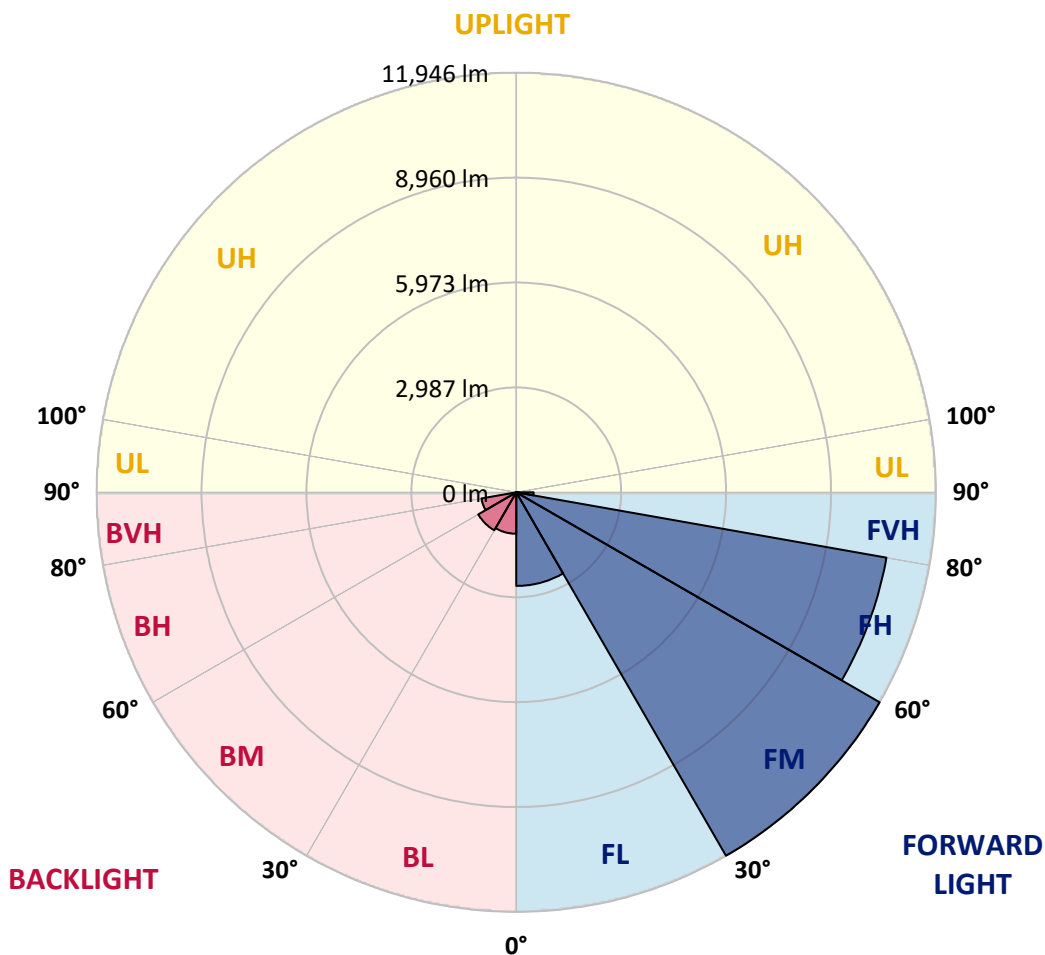


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2665.6	9.1			
FM (30°-60°)	11946.1	40.8			
FH (60°-80°)	10700.5	36.6			G4/12000
FVH (80°-90°)	492.6	1.7			G3/500
BL (0°-30°)	1179.8	4.0	B3/2500		
BM (30°-60°)	1249.6	4.3	B2/2500		
BH (60°-80°)	1007.5	3.4	B3/2500		G3/2500
BVH (80°-90°)	11.3	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3
2.5°	7457.9	7439.3	7454.2	7486.4	7502.5	7502.5	7514.8	7500.0	7504.9	7469.0	7417.0
5°	6991.2	6962.8	7003.6	7094.0	7205.4	7300.7	7441.8	7516.1	7523.5	7524.7	7464.1
7.5°	6488.7	6462.7	6523.3	6629.8	6773.4	6950.4	7196.7	7412.1	7424.5	7540.8	7496.3
10°	6080.2	6061.6	6132.2	6246.1	6414.4	6612.5	6914.5	7214.0	7249.9	7507.4	7491.3
12.5°	5755.9	5741.0	5807.9	5939.1	6111.1	6330.2	6645.9	6993.7	7042.0	7431.9	7466.6
15°	5519.5	5517.0	5572.7	5698.9	5889.6	6093.8	6416.9	6789.5	6845.2	7350.2	7462.8
17.5°	5395.7	5399.4	5440.2	5547.9	5711.3	5914.3	6223.8	6617.4	6678.1	7277.2	7481.4
20°	5383.3	5387.0	5409.3	5469.9	5602.4	5781.9	6066.6	6472.6	6535.7	7222.7	7511.1
22.5°	5492.2	5489.7	5495.9	5489.7	5564.0	5700.2	5962.6	6361.2	6434.2	7186.8	7534.6
25°	5701.4	5697.7	5695.2	5649.4	5599.9	5672.9	5919.3	6298.0	6367.4	7160.8	7548.3
27.5°	5992.3	5989.8	5986.1	5910.6	5762.1	5716.3	5924.2	6274.5	6332.7	7139.8	7545.8
30°	6374.8	6392.1	6387.2	6282.0	6050.5	5848.7	5976.2	6262.2	6312.9	7098.9	7519.8
32.5°	6824.1	6858.8	6886.0	6773.4	6483.7	6111.1	6096.3	6275.8	6312.9	7068.0	7472.7
35°	7290.8	7335.3	7435.6	7396.0	7014.7	6506.0	6303.0	6357.5	6388.4	7085.3	7450.5
37.5°	7750.0	7803.2	8021.1	8136.2	7710.4	7028.4	6624.8	6559.2	6575.3	7190.5	7475.2
40°	8283.5	8364.0	8694.5	8880.1	8541.0	7727.7	7106.3	6905.8	6912.0	7422.0	7590.3
42.5°	8984.1	9067.1	9424.8	9715.7	9476.8	8611.5	7759.9	7435.6	7429.4	7855.2	7861.4
45°	9838.2	9924.9	10295.0	10618.1	10510.4	9658.7	8596.7	8209.2	8201.8	8538.5	8375.1
47.5°	10806.2	10891.6	11222.1	11555.1	11671.4	10881.7	9662.5	9265.1	9247.8	9487.9	9168.6
50°	11636.8	11692.5	11997.0	12445.1	12969.9	12384.4	10988.2	10605.7	10587.1	10749.3	10333.4
52.5°	11938.8	11971.0	12280.5	12908.0	14217.6	14419.4	12729.8	12237.1	12223.5	12294.1	11884.3
55°	11327.3	11385.5	11765.5	12696.4	14893.5	16719.3	14928.2	14257.3	14154.5	14002.3	13505.9
57.5°	9661.2	9754.1	10162.5	11400.4	14577.9	18543.8	18158.9	16542.3	16391.3	15460.4	14824.2
60°	7238.8	7352.7	7691.8	9027.4	12893.2	19193.7	21689.2	19088.5	18748.1	16621.5	16036.0
62.5°	4967.4	5024.3	5254.6	6124.8	9495.3	18129.2	24642.6	22498.7	21877.3	17884.1	17346.9
65°	3793.9	3813.7	3907.8	4207.4	5654.4	14726.4	25817.3	26998.2	26246.8	19394.2	18707.2
67.5°	3057.4	3041.3	3171.3	3599.6	3786.5	8984.1	24447.0	31255.1	30903.5	21413.1	20076.3
69°	2696.0	2673.7	2806.1	3303.8	3556.3	5939.1	21855.0	32221.8	32244.1	22478.9	20170.3
70°	2426.1	2441.0	2572.2	3128.0	3478.3	4661.6	19379.4	31975.5	32151.2	22877.5	19605.9
72.5°	1620.3	1659.9	1923.6	2597.0	3344.6	3527.8	11701.1	27438.8	28114.7	21980.0	16820.8
75°	913.5	943.2	1256.4	1958.2	3151.5	3359.5	6180.5	20214.9	20868.5	18380.4	12971.2
77.5°	448.1	464.2	710.5	1263.8	2635.3	3201.0	3505.5	13731.2	14477.6	11997.0	7336.6
80°	189.4	198.1	355.3	779.8	1884.0	3054.9	2603.1	8450.6	8543.5	4700.0	1954.5
82.5°	73.0	75.5	149.8	486.5	1197.0	2381.6	2177.3	4006.8	3910.3	885.0	445.6
85°	8.7	9.9	54.5	292.1	665.9	1225.4	1768.9	1726.8	1598.0	175.8	229.0
87.5°	0.0	0.0	3.7	89.1	198.1	574.4	919.7	716.7	646.1	56.9	118.8
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°	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3	7392.3
2.5°	7373.7	7361.3	7294.5	7197.9	7106.3	6992.5	6883.5	6817.9	6765.9	6731.3	6772.1
5°	7393.5	7339.1	7136.1	6876.1	6621.1	6333.9	6066.6	5840.1	5750.9	5651.9	5696.5
7.5°	7387.3	7284.6	6919.4	6456.5	5988.6	5504.6	5046.6	4693.8	4510.6	4331.1	4376.9
10°	7356.4	7183.1	6629.8	5944.0	5243.4	4547.8	3897.9	3404.0	3128.0	2877.9	2913.8
12.5°	7288.3	7046.9	6288.1	5357.3	4420.3	3503.0	2741.8	2109.3	1770.1	1620.3	1638.9
15°	7247.5	6914.5	5926.7	4763.1	3541.4	2439.8	1676.0	1246.5	1091.8	1042.2	1048.4
17.5°	7227.7	6787.0	5552.9	4083.6	2642.8	1553.5	1083.1	955.6	922.2	913.5	916.0
20°	7207.8	6658.3	5167.9	3411.4	1820.8	1044.7	890.0	852.9	840.5	829.3	831.8
22.5°	7174.4	6534.5	4754.5	2730.6	1227.9	847.9	802.1	766.2	740.2	726.6	729.1
25°	7133.6	6404.5	4332.4	2033.7	896.2	756.3	713.0	662.2	631.3	606.5	607.8
27.5°	7068.0	6244.8	3896.7	1480.4	752.6	677.1	618.9	563.2	511.2	482.8	482.8
30°	6976.4	6064.1	3412.7	1059.6	674.6	599.1	528.6	459.2	403.5	377.5	375.1
32.5°	6874.9	5876.0	2923.7	803.3	612.7	526.1	445.6	372.6	323.1	302.0	300.8
35°	6788.2	5672.9	2436.0	673.4	550.8	455.5	367.6	305.7	266.1	248.8	247.6
37.5°	6732.5	5469.9	1960.7	601.6	495.1	389.9	308.2	252.5	224.0	210.4	209.2
40°	6723.9	5318.9	1526.2	547.1	443.1	331.7	257.5	214.1	188.1	173.3	172.1
42.5°	6836.5	5232.3	1171.0	501.3	389.9	281.0	219.1	183.2	156.0	141.1	139.9
45°	7132.3	5259.5	901.1	460.5	336.7	237.7	185.7	152.3	127.5	116.4	113.9
47.5°	7672.0	5447.7	716.7	419.6	285.9	201.8	158.4	126.3	105.2	94.1	92.8
50°	8632.6	5889.6	599.1	375.1	238.9	172.1	131.2	102.7	85.4	75.5	74.3
52.5°	9907.5	6676.8	534.7	331.7	198.1	146.1	107.7	81.7	66.8	59.4	58.2
55°	11313.7	7629.9	492.7	284.7	162.2	121.3	85.4	64.4	52.0	45.8	43.3
57.5°	12686.5	8455.6	453.0	238.9	134.9	99.0	68.1	50.8	40.8	34.7	33.4
60°	13947.8	9214.4	407.2	191.9	110.2	78.0	53.2	39.6	32.2	26.0	26.0
62.5°	15298.3	9801.1	344.1	149.8	90.4	59.4	43.3	35.9	26.0	22.3	21.0
65°	16729.2	10236.8	269.8	116.4	70.6	44.6	35.9	37.1	21.0	16.1	14.9
67.5°	17786.3	10150.2	199.3	91.6	54.5	34.7	34.7	39.6	18.6	12.4	11.1
69°	17553.6	9445.8	167.1	79.2	47.0	29.7	32.2	39.6	17.3	11.1	9.9
70°	16879.0	8666.0	147.3	70.6	42.1	27.2	30.9	38.4	16.1	11.1	9.9
72.5°	14056.7	6527.0	115.1	53.2	33.4	22.3	26.0	33.4	16.1	11.1	8.7
75°	10573.5	4177.7	87.9	38.4	24.8	17.3	19.8	24.8	16.1	9.9	8.7
77.5°	5753.4	1506.4	63.1	26.0	17.3	13.6	13.6	18.6	14.9	7.4	5.0
80°	1479.2	378.8	39.6	17.3	13.6	9.9	8.7	12.4	8.7	1.2	0.0
82.5°	365.2	85.4	21.0	12.4	9.9	3.7	3.7	6.2	3.7	0.0	0.0
85°	200.5	42.1	13.6	8.7	5.0	0.0	0.0	1.2	0.0	0.0	0.0
87.5°	102.7	12.4	3.7	2.5	1.2	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)