

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: P653449

Luminaire Tested: **GLAN-SA6D-840-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-840-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32360 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

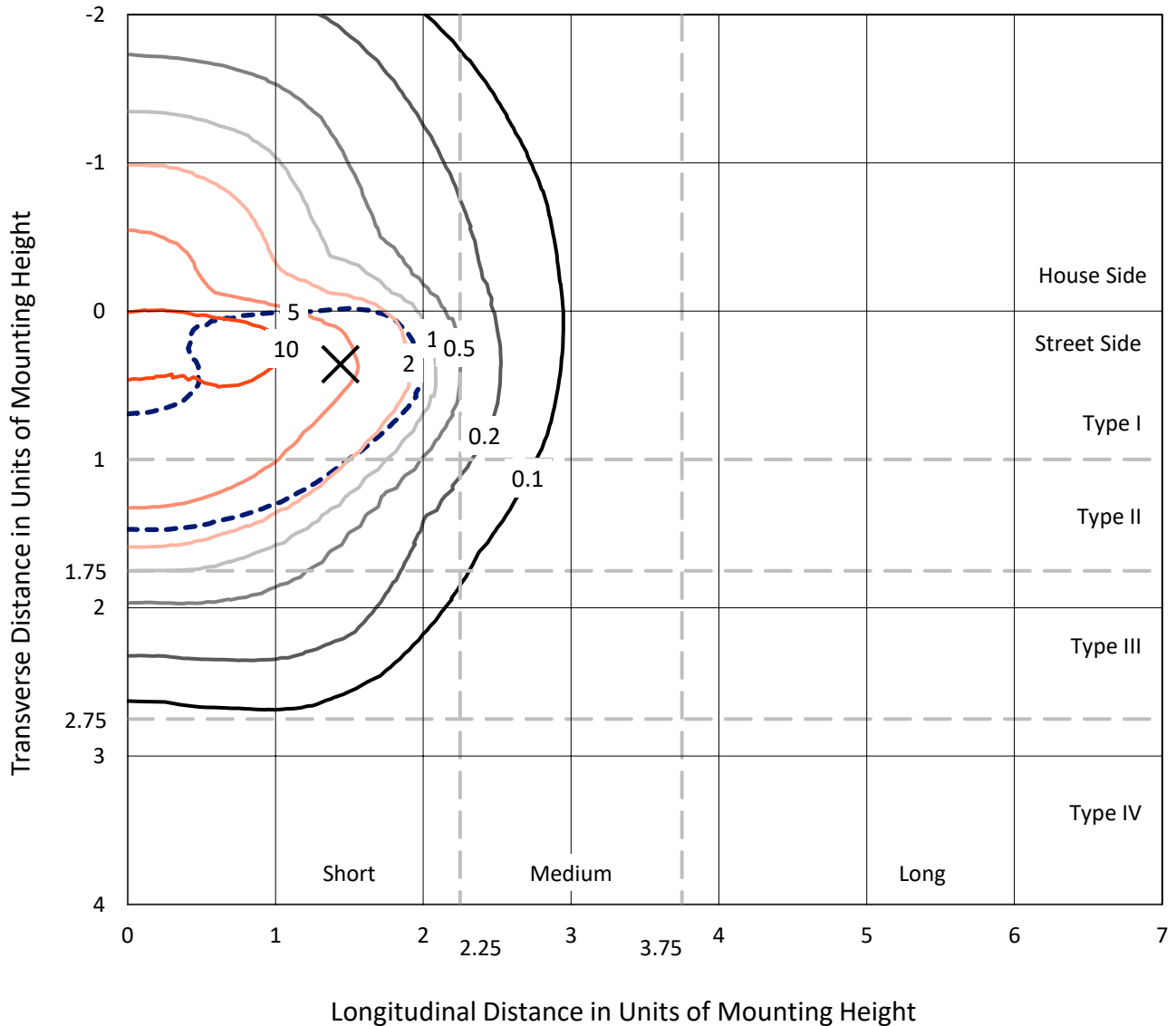
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

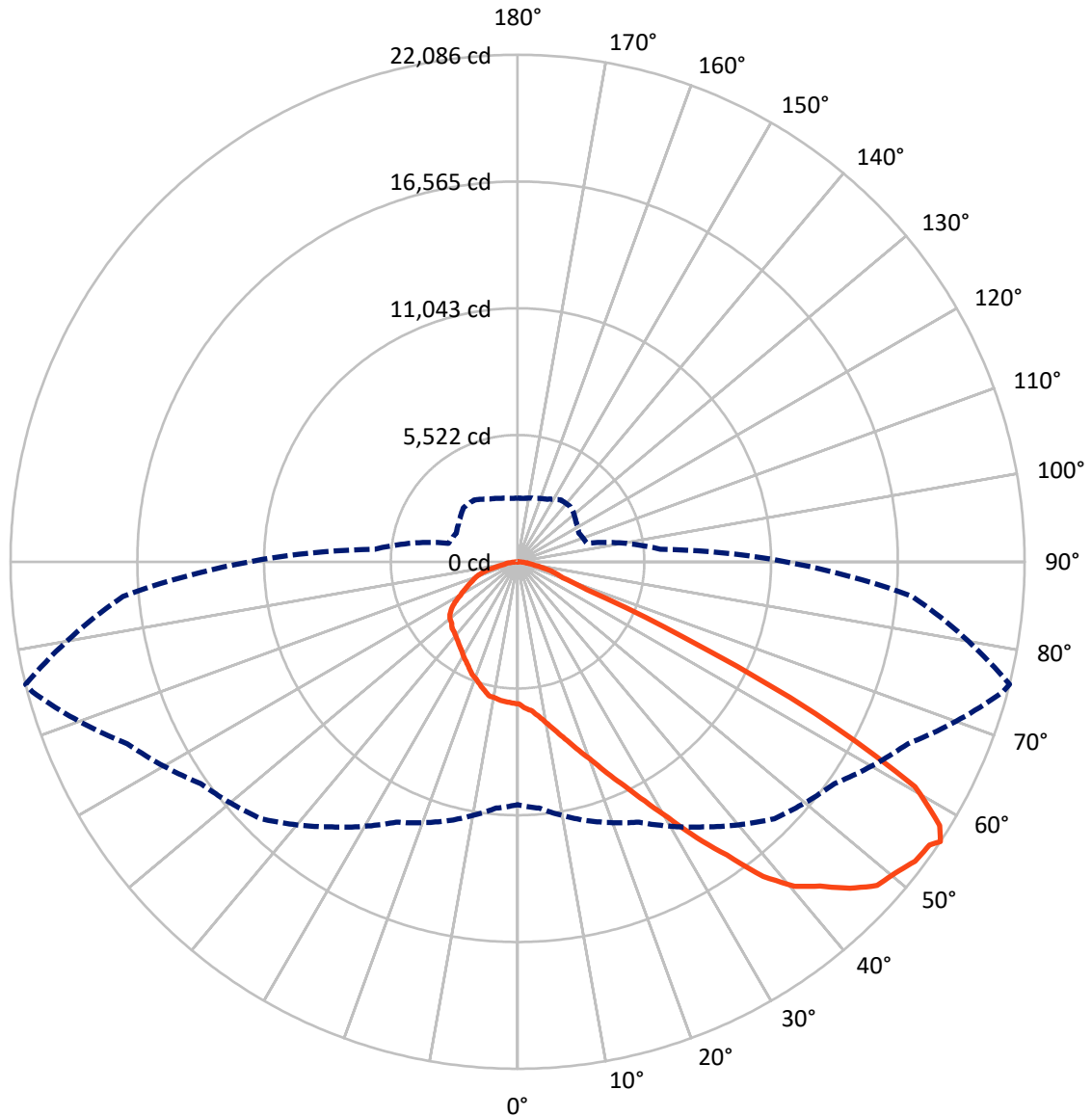
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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CATALOG NUMBER: GLAN-SA6D-840-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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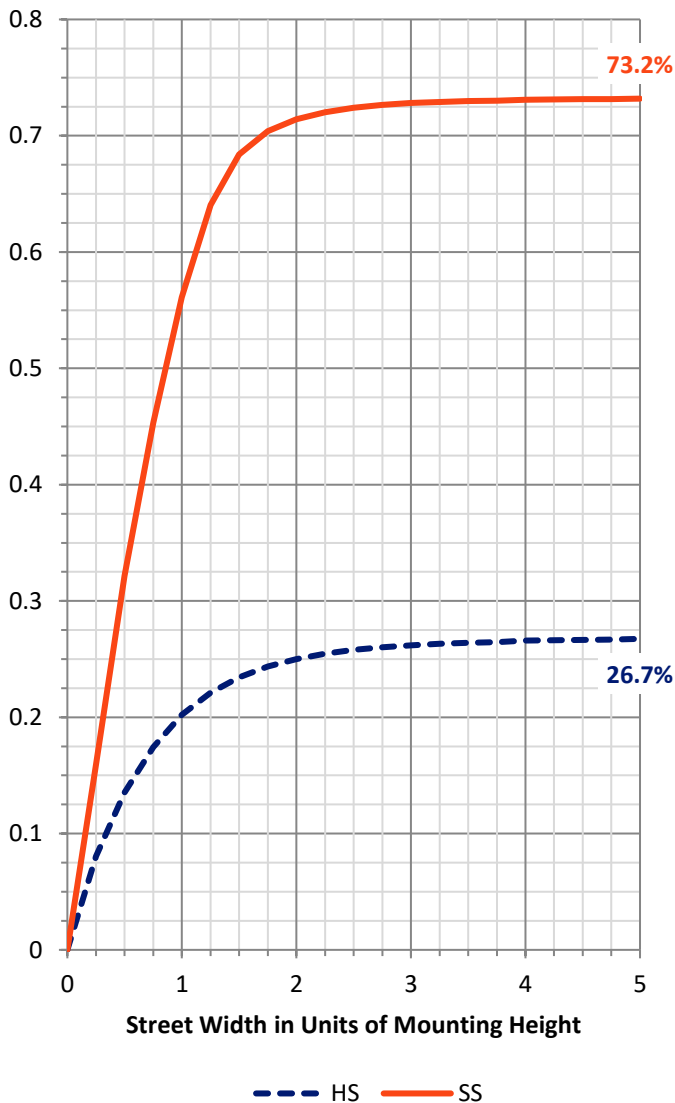
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8700.6	0.0	8700.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	23659.4	0.0	23659.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	32360.0	0.0	32360.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.0	1.9
10°-20°	1928.8	6.0
20°-30°	3373.3	10.4
30°-40°	5281.6	16.3
40°-50°	7683.3	23.7
50°-60°	8444.4	26.1
60°-70°	3769.2	11.6
70°-80°	1088.7	3.4
80°-90°	176.6	0.5
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°	32360.0	100.0
0°-180°	32360.0	100.0



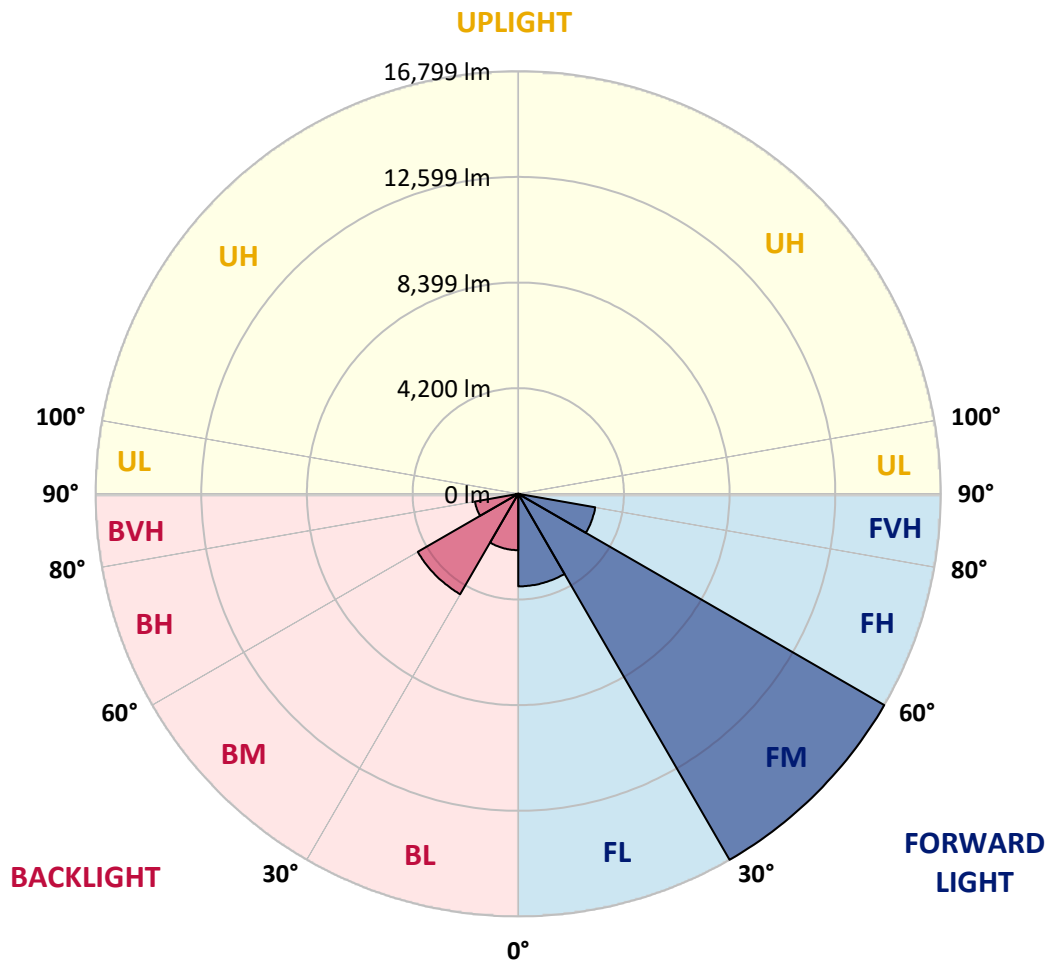
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 CATALOG NUMBER: GLAN-SA6D-840-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3677.4	11.4			
FM (30°-60°)	16798.7	51.9			
FH (60°-80°)	3107.3	9.6			G2/5000
FVH (80°-90°)	76.0	0.2			G1/100
BL (0°-30°)	2238.8	6.9	B3/2500		
BM (30°-60°)	4610.6	14.2	B3/5000		
BH (60°-80°)	1750.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	100.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7
2.5°	6820.9	6711.9	6703.4	6674.1	6690.8	6615.4	6535.7	6430.8	6321.7	6388.8	6229.5
5°	7299.1	7152.3	7211.1	7110.3	7122.9	7022.3	6858.7	6737.0	6602.8	6523.0	6409.8
7.5°	7466.9	7479.5	7521.5	7504.7	7420.8	7420.8	7311.7	7097.8	6862.8	6816.7	6627.9
10°	7693.5	7697.7	7651.5	7664.1	7781.5	7727.0	7630.6	7538.2	7236.2	7181.6	6846.1
12.5°	7773.1	7697.7	7773.1	7840.3	7978.7	8054.2	8033.2	7966.1	7643.1	7605.3	7114.5
15°	7785.7	7739.6	7802.5	7953.5	8075.2	8394.0	8553.4	8507.2	8079.4	8083.6	7416.6
17.5°	7727.0	7789.9	7815.1	7945.2	8226.2	8524.0	8985.5	9048.4	8696.0	8641.5	7798.3
20°	7806.7	7760.6	7794.1	7911.5	8284.9	8750.5	9354.6	9769.9	9274.9	9237.2	8192.6
22.5°	8113.0	8050.1	8041.6	8117.2	8385.6	8868.0	9744.8	10491.5	9979.6	10000.7	8683.4
25°	8352.1	8385.6	8356.3	8352.1	8519.8	9044.2	10260.7	11351.4	10936.1	10814.4	9262.4
27.5°	8763.1	8842.9	8784.1	8863.8	8826.0	9308.4	10629.9	12303.7	11968.0	11804.4	9786.7
30°	9333.7	9375.6	9321.1	9321.1	9207.8	9677.6	10965.5	13297.8	13159.4	12937.1	10403.3
32.5°	10084.5	10147.4	10038.4	9975.4	9958.7	10227.1	11569.6	14279.4	14514.3	14325.6	11221.4
35°	11078.7	11041.0	10911.0	10852.2	10625.7	11070.3	12467.2	15407.9	16024.5	15688.9	12211.3
37.5°	11955.5	11896.7	11888.4	11561.1	11615.6	11980.6	13230.7	16263.6	17488.5	17392.0	13255.8
40°	12773.4	12828.0	12916.1	12731.5	12647.6	13050.3	14120.1	16918.1	18625.4	18587.6	14061.3
42.5°	13650.2	13599.9	13755.1	13599.9	13474.0	14044.5	15084.8	17371.1	19623.7	19313.3	14904.5
45°	14921.3	14761.8	14816.4	14828.9	14736.7	14946.4	15483.4	17698.3	20324.3	20290.7	15521.2
47.5°	15982.5	15986.7	15894.5	15823.2	15542.1	15751.8	15928.0	17903.8	21129.7	21075.2	15760.3
50°	16376.9	16322.4	16590.8	16746.1	16762.8	16334.9	16276.2	18017.1	21553.4	21314.3	15999.4
52.5°	14959.0	15009.3	15433.0	16355.9	16888.6	16934.8	16683.1	18252.0	21725.4	21675.0	16192.3
55°	12039.3	12282.6	12979.0	14044.5	15307.2	16695.7	17123.6	18495.3	21817.6	21775.7	17048.1
56°	10583.7	10772.5	11678.6	12513.4	14099.0	15827.4	16846.7	18755.4	21889.0	22086.2	17249.4
57.5°	8519.8	8738.0	9388.2	10336.2	12207.1	14174.6	16083.2	18436.6	21612.1	21687.6	17396.3
60°	5327.5	5348.5	6128.8	6753.8	8071.0	9992.3	12274.3	16041.3	20001.3	19892.2	15626.0
62.5°	3494.4	3498.6	4207.5	4719.3	5319.2	5759.6	7223.6	10638.2	14757.6	14564.7	11124.8
65°	2454.0	2508.5	3058.0	3741.9	3985.2	3754.4	3708.3	5608.5	8243.0	7966.1	5977.7
67.5°	1795.5	1799.6	2286.3	3020.4	3372.7	2856.7	2319.8	2739.3	3263.7	3255.3	2768.7
70°	1187.2	1237.5	1610.9	2256.8	2659.6	2294.6	1896.1	1959.0	2076.5	2076.5	2059.7
72.5°	692.1	738.3	985.8	1430.5	1493.4	1434.7	1501.8	1678.0	1753.5	1749.3	1728.3
75°	394.3	415.3	469.9	595.7	742.5	876.7	1103.2	1271.1	1346.5	1392.7	1338.2
77.5°	230.7	243.3	276.9	339.8	385.9	474.0	599.9	717.3	818.0	805.4	813.8
80°	121.7	121.7	155.2	201.3	268.4	335.6	398.5	465.7	520.2	532.8	545.3
82.5°	71.3	75.5	100.7	146.8	192.9	239.1	306.2	352.4	402.7	406.9	415.3
85°	37.8	42.0	62.9	96.5	130.0	146.8	151.0	142.6	155.2	146.8	167.8
87.5°	12.6	12.6	20.9	16.8	16.8	20.9	25.1	25.1	33.6	33.6	33.6
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°	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7	6191.7
2.5°	6225.3	6225.3	6153.9	6019.7	5998.7	5944.2	5893.8	5889.6	5851.8	5818.3	5801.6
5°	6342.7	6212.6	6107.8	5986.2	5843.5	5776.4	5700.9	5617.0	5583.4	5617.0	5612.7
7.5°	6477.0	6367.9	6053.3	5826.7	5663.1	5596.0	5512.1	5424.0	5432.4	5432.4	5373.7
10°	6607.0	6460.1	5956.7	5667.3	5428.2	5377.9	5331.7	5365.2	5407.2	5415.6	5377.9
12.5°	6825.1	6493.7	5910.6	5507.9	5356.9	5247.8	5277.2	5369.4	5457.6	5432.4	5461.8
15°	6988.7	6523.0	5700.9	5344.3	5155.5	5205.9	5310.7	5373.7	5520.5	5503.7	5533.1
17.5°	7148.1	6539.9	5495.3	5126.1	5046.5	5184.9	5264.6	5445.0	5491.1	5591.8	5629.6
20°	7475.3	6573.4	5285.6	4991.9	4966.8	5126.1	5264.6	5348.5	5449.2	5537.2	5537.2
22.5°	7643.1	6556.6	5147.2	4815.7	4895.5	4996.1	5121.9	5264.6	5264.6	5348.5	5352.7
25°	7852.8	6489.5	4929.0	4731.9	4790.6	4887.1	5029.7	4979.3	5033.9	5033.9	5101.0
27.5°	8091.9	6346.9	4740.2	4580.8	4698.2	4803.1	4824.1	4790.6	4727.7	4719.3	4694.1
30°	8284.9	6170.7	4601.8	4530.5	4627.0	4685.7	4618.6	4547.3	4438.2	4429.8	4371.1
32.5°	8549.2	5952.6	4429.8	4404.7	4513.7	4517.9	4496.9	4387.8	4228.5	4161.4	4094.2
35°	8993.8	5826.7	4299.8	4337.5	4371.1	4358.5	4320.7	4203.3	4043.9	4014.5	3989.4
37.5°	9321.1	5734.4	4165.6	4211.6	4241.1	4257.8	4144.5	4014.5	4018.7	3960.0	3943.2
40°	9690.3	5675.7	4056.5	4077.4	4081.6	4136.2	3997.8	3934.8	3964.1	3926.5	3951.6
42.5°	10164.2	5692.5	3943.2	3926.5	4006.1	3985.2	3918.1	3834.1	3850.9	3737.7	3754.4
45°	10416.0	5805.8	3876.1	3800.6	3888.7	3884.5	3796.4	3716.7	3616.0	3397.9	3406.2
47.5°	10583.7	5835.1	3716.7	3666.3	3758.6	3813.2	3712.5	3527.9	3385.3	3230.1	3192.4
50°	10755.7	5889.6	3641.2	3536.3	3574.1	3704.1	3578.3	3402.1	3263.7	3125.2	3146.2
52.5°	10906.8	5994.5	3494.4	3339.1	3406.2	3548.9	3481.7	3267.8	3116.8	3003.5	2970.0
55°	11577.9	6229.5	3246.8	3045.5	3204.9	3385.3	3347.5	3087.5	2923.8	2865.1	2856.7
56°	11682.8	6237.8	3116.8	2944.8	3091.6	3330.8	3284.6	3007.8	2860.9	2768.7	2772.9
57.5°	11699.6	6137.1	2932.2	2852.5	2978.4	3251.1	3192.4	2944.8	2743.4	2659.6	2634.4
60°	10294.3	4790.6	2701.5	2651.2	2798.0	3007.8	2986.7	2772.9	2546.3	2449.8	2496.0
62.5°	7018.1	3511.1	2521.1	2512.7	2588.3	2793.8	2739.3	2546.3	2357.5	2294.6	2265.2
65°	4085.8	2663.8	2345.0	2311.4	2374.3	2483.4	2521.1	2319.8	2122.6	2080.6	2068.1
67.5°	2412.1	2202.3	2118.4	2063.9	2043.0	2110.1	2139.4	2021.9	1824.8	1766.0	1816.4
70°	2017.7	1959.0	1963.2	1870.9	1820.6	1774.4	1749.3	1644.4	1480.8	1405.3	1384.3
72.5°	1740.9	1715.7	1698.9	1615.1	1568.9	1464.0	1354.9	1250.1	1128.5	1065.5	1069.7
75°	1329.8	1321.4	1329.8	1287.8	1208.1	1124.2	1023.6	889.4	797.0	717.3	734.1
77.5°	792.8	818.0	830.6	813.8	780.3	704.8	641.9	553.7	465.7	402.7	394.3
80°	545.3	566.3	587.3	566.3	532.8	478.2	411.1	344.0	281.1	247.5	239.1
82.5°	415.3	436.3	448.8	427.9	385.9	327.2	281.1	234.9	184.6	151.0	142.6
85°	151.0	172.0	167.8	201.3	218.2	209.7	180.4	138.4	104.9	75.5	71.3
87.5°	42.0	37.8	42.0	42.0	42.0	37.8	33.6	33.6	33.6	20.9	16.8
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)