

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: P317754

Luminaire Tested: **GAN-SA0A-740-U-T3R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317754  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0A-740-U-T3R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47162 lumens  
Efficiency: N/A  
Efficacy: 146.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 323  
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

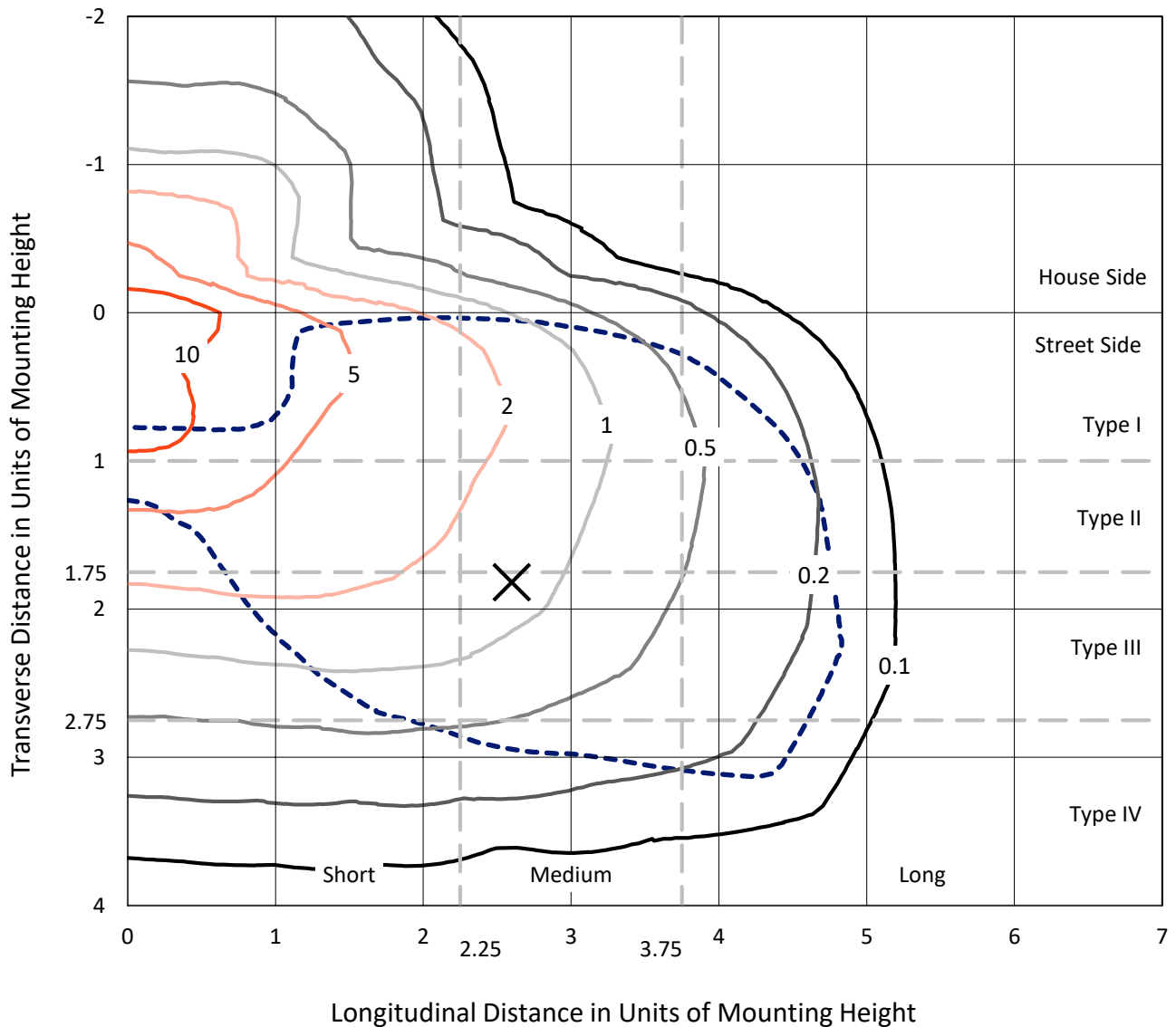




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### Iso-Footcandle Lines of Horizontal Illumination

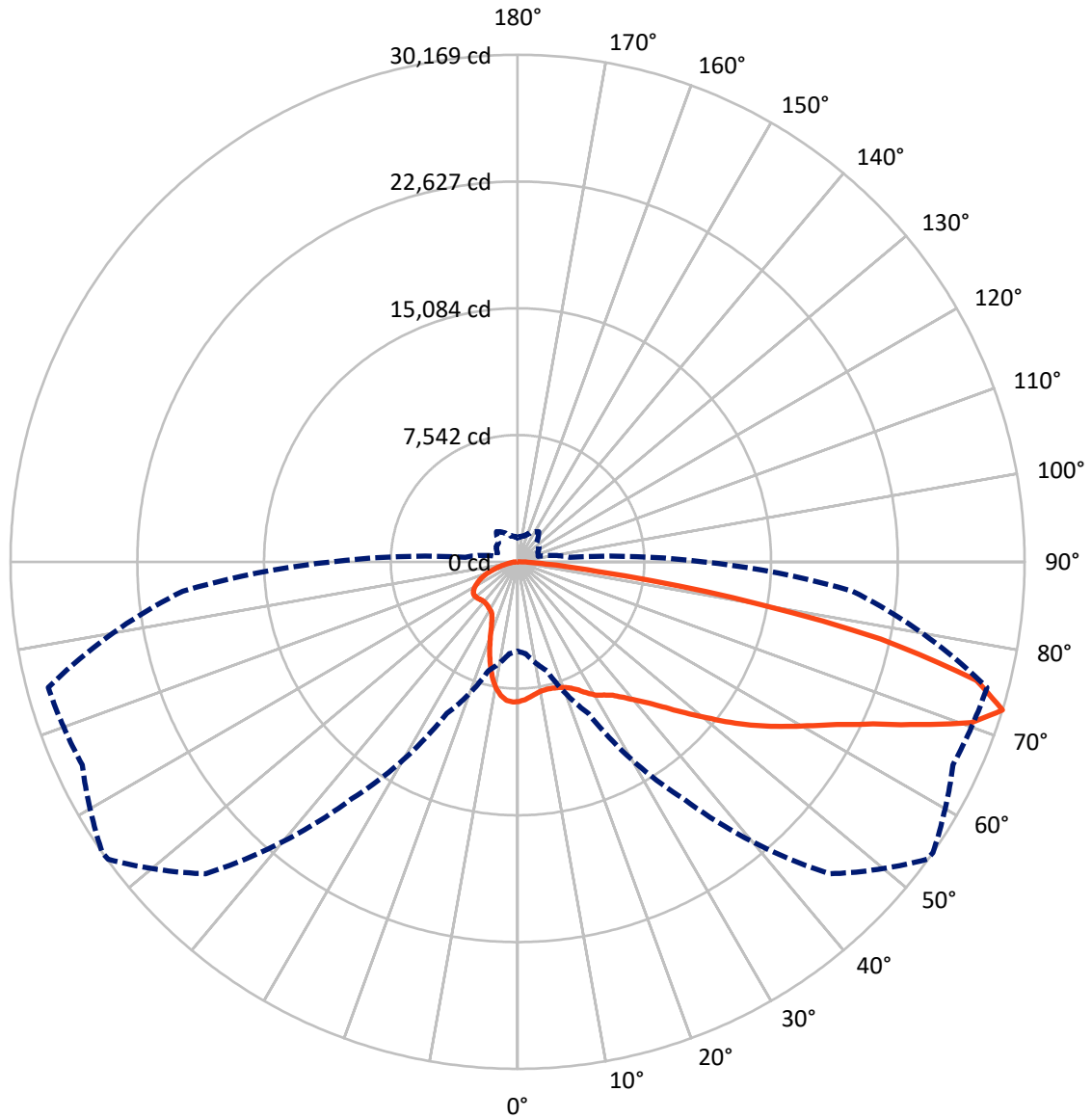
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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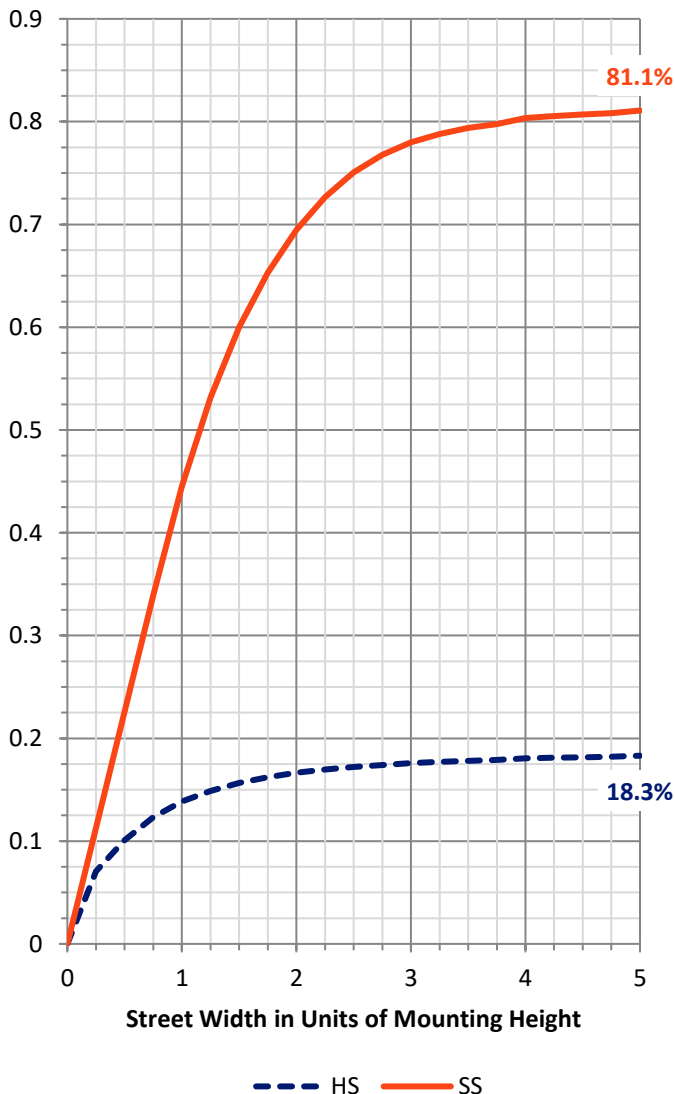
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8765.9	0.0	8765.9
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	38396.1	0.0	38396.1
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	47162.0	0.0	47162.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	752.7	1.6
10°-20°	2004.0	4.2
20°-30°	3304.1	7.0
30°-40°	4887.6	10.4
40°-50°	6822.0	14.5
50°-60°	8882.5	18.8
60°-70°	10916.4	23.1
70°-80°	8557.1	18.1
80°-90°	1035.5	2.2
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°	47162.0	100.0
0°-180°	47162.0	100.0

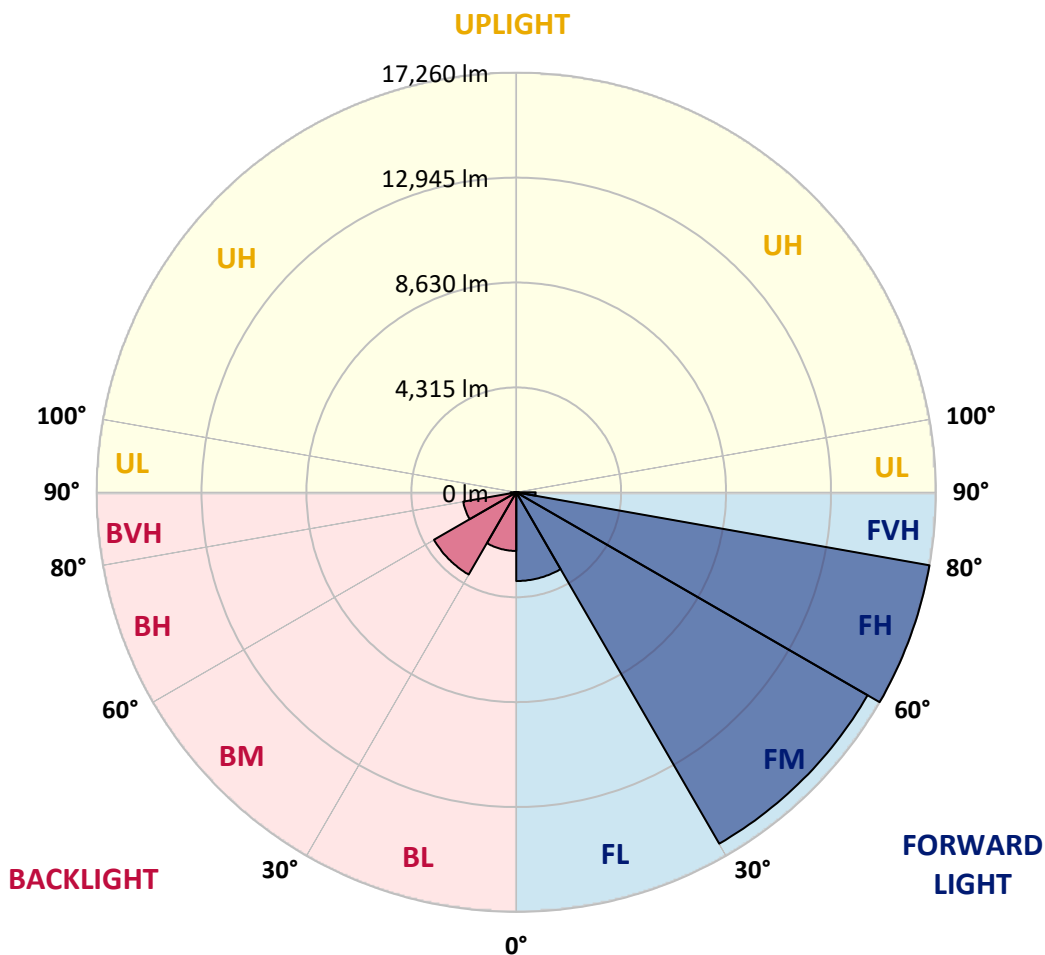


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3649.0	7.7			
FM (30°-60°)	16686.8	35.4			
FH (60°-80°)	17259.7	36.6			G5
FVH (80°-90°)	800.6	1.7			G5
BL (0°-30°)	2411.9	5.1	B3/2500		
BM (30°-60°)	3905.3	8.3	B3/5000		
BH (60°-80°)	2213.8	4.7	B3/2500		G3/2500
BVH (80°-90°)	234.9	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4
2.5°	8047.6	8028.4	8052.3	8085.8	8122.4	8171.8	8200.5	8213.2	8262.6	8281.7	8323.1
5°	7674.8	7665.3	7705.1	7762.4	7843.7	7958.4	8050.7	8068.3	8198.9	8291.3	8375.7
7.5°	7404.0	7404.0	7450.2	7518.7	7609.5	7764.0	7894.6	7918.5	8140.0	8339.1	8495.2
10°	7189.0	7196.9	7251.1	7332.3	7439.1	7603.1	7776.8	7803.8	8124.0	8450.6	8699.1
12.5°	7045.6	7064.7	7114.1	7187.4	7319.6	7518.7	7738.5	7775.2	8157.5	8609.9	8944.4
15°	7136.4	7168.3	7173.0	7203.3	7276.6	7493.2	7760.8	7799.1	8229.2	8772.4	9223.2
17.5°	7534.6	7545.8	7496.4	7432.7	7397.6	7536.2	7827.7	7867.6	8315.2	8933.2	9490.8
20°	8140.0	8133.6	8026.9	7854.8	7676.4	7698.7	7937.6	7979.1	8431.5	9075.0	9758.4
22.5°	8904.6	8882.3	8718.2	8401.2	8096.9	7969.5	8130.4	8165.4	8606.7	9277.3	10045.1
25°	9831.7	9782.3	9565.6	9140.3	8692.7	8364.6	8420.3	8453.8	8861.6	9503.5	10308.0
27.5°	10809.7	10760.3	10484.8	9970.2	9374.5	8863.1	8820.1	8848.8	9151.5	9670.8	10502.3
30°	11832.4	11779.8	11528.1	10951.5	10097.7	9379.3	9192.9	9204.0	9355.4	9761.6	10661.6
32.5°	12859.9	12810.5	12528.5	11859.5	10883.0	9933.6	9462.1	9447.8	9478.0	9855.6	10841.6
35°	13901.6	13920.8	13591.0	12850.3	11752.8	10550.1	9780.7	9750.4	9683.5	10048.3	11096.5
37.5°	15016.7	15004.0	14577.0	13802.9	12662.3	11219.1	10237.9	10233.1	10002.1	10413.1	11496.3
40°	15762.2	15770.2	15510.5	14777.8	13581.5	11959.8	10824.1	10812.9	10510.3	10959.5	12020.4
42.5°	16053.7	16106.3	16173.2	15708.0	14543.6	12818.4	11523.4	11507.4	11219.1	11743.2	12636.8
45°	16074.4	16179.5	16593.7	16534.8	15518.5	13801.3	12417.0	12372.4	12165.3	12785.0	13372.8
47.5°	15896.0	16004.3	16692.5	17027.0	16389.8	14838.3	13462.0	13426.9	13248.5	14088.0	14169.3
50°	15505.7	15609.3	16488.6	17267.5	17106.6	15835.5	14666.3	14573.9	14478.3	15593.3	15080.4
52.5°	14774.6	14973.7	16216.2	17324.9	17535.1	16721.2	15932.6	15872.1	15924.7	17181.5	15993.2
55°	13043.0	13266.1	15513.7	17277.1	17852.1	17465.1	17199.0	17195.8	17468.2	18847.7	16972.8
57.5°	12072.9	12230.6	14083.2	17195.8	18228.1	18204.2	18452.7	18482.9	19013.4	20662.1	17998.7
60°	11525.0	11690.6	13358.4	16894.8	18811.1	19160.0	19731.8	19792.3	20584.0	22670.8	19233.2
62.5°	11026.4	11208.0	12909.2	16281.5	19497.7	20526.7	21264.2	21318.4	22247.1	24735.3	20426.3
65°	10174.1	10379.6	12251.3	15878.5	20122.1	22309.2	23212.4	23249.0	24157.0	26898.5	21339.1
67.5°	8969.9	9157.8	11010.4	14988.0	20584.0	24474.0	25802.5	25823.2	26051.0	28426.1	21805.8
70°	7563.3	7635.0	9242.3	13149.8	20037.7	26498.7	28641.2	28645.9	27777.8	29404.2	21729.4
72.5°	5314.1	5482.9	6709.5	9954.3	17219.7	26251.7	30114.6	30168.8	28580.6	28910.4	19993.1
75°	3259.2	3437.6	4208.6	6032.5	10924.4	20646.2	27824.0	28199.9	27075.3	25777.0	16332.5
77.5°	2179.1	2246.1	2746.2	3517.2	4949.3	11878.6	21391.7	22098.9	22492.4	18798.4	10444.9
80°	1215.4	1342.9	1820.7	2185.5	2201.5	4719.9	12826.4	12992.1	12514.2	7485.3	3222.5
82.5°	643.6	713.6	1215.4	1283.9	1201.1	1580.2	4780.4	4785.2	3998.3	2007.1	957.4
85°	498.6	557.5	833.1	783.7	613.3	700.9	1577.0	1663.0	1360.4	822.0	312.2
87.5°	248.5	309.0	565.5	497.0	240.5	200.7	563.9	602.1	536.8	321.8	113.1
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°	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4	8318.4
2.5°	8339.1	8353.4	8370.9	8351.8	8345.4	8320.0	8276.9	8267.4	8245.1	8246.7	8259.4
5°	8412.3	8436.2	8426.7	8353.4	8265.8	8143.1	8015.7	7907.4	7835.7	7830.9	7826.1
7.5°	8552.5	8568.5	8493.6	8284.9	8039.6	7756.1	7488.4	7254.3	7112.5	7077.5	7069.5
10°	8772.4	8769.2	8563.7	8143.1	7654.1	7147.5	6717.5	6392.5	6202.9	6147.2	6132.8
12.5°	9017.7	8981.0	8587.6	7885.1	7109.3	6406.8	5862.0	5500.4	5302.9	5239.2	5223.3
15°	9270.9	9180.1	8528.6	7499.6	6440.3	5608.8	5036.9	4702.4	4595.6	4560.6	4554.2
17.5°	9506.7	9331.5	8359.8	6977.1	5677.3	4813.9	4367.9	4234.0	4259.5	4305.7	4307.3
20°	9737.7	9433.4	8089.0	6317.6	4872.8	4159.2	4007.9	4106.6	4227.7	4321.7	4334.4
22.5°	9965.5	9505.1	7740.1	5556.2	4152.8	3791.2	3897.9	4077.9	4216.5	4318.5	4336.0
25°	10156.6	9522.6	7259.1	4743.8	3652.6	3652.6	3845.4	4015.8	4152.8	4253.2	4270.7
27.5°	10226.7	9404.8	6580.5	3991.9	3400.9	3588.9	3772.1	3913.9	4030.2	4136.9	4156.0
30°	10253.8	9186.5	5796.7	3388.2	3297.4	3520.4	3673.3	3794.4	3904.3	4004.7	4022.2
32.5°	10258.6	8923.7	4965.2	3045.7	3225.7	3448.7	3550.7	3657.4	3775.3	3815.1	3821.5
35°	10288.8	8613.1	4089.1	2870.5	3158.8	3381.8	3463.1	3539.5	3348.4	3362.7	3375.5
37.5°	10376.4	8305.6	3356.3	2771.7	3115.8	3346.8	3443.9	3166.8	3017.0	2982.0	2977.2
40°	10540.5	7977.5	2813.1	2692.1	3099.9	3364.3	3321.3	2956.5	2698.4	2505.7	2477.0
42.5°	10768.3	7623.8	2465.9	2639.5	3111.0	3448.7	3150.8	2754.2	2325.7	2201.5	2185.5
45°	11024.8	7252.7	2277.9	2602.9	3149.3	3514.0	3115.8	2485.0	2152.1	2058.1	2050.1
47.5°	11273.3	6798.7	2180.7	2586.9	3201.8	3461.5	2967.7	2402.2	2069.2	2019.9	2024.6
50°	11558.4	6389.3	2121.8	2569.4	3248.0	3428.0	2800.4	2359.2	2037.4	2097.9	2161.6
52.5°	11798.9	5965.6	2069.2	2534.4	3265.5	3369.1	2757.4	2367.1	2037.4	2153.7	2214.2
55°	12084.1	5645.4	2008.7	2461.1	3232.1	3201.8	2727.1	2414.9	2061.3	1988.0	1994.4
57.5°	12452.1	5540.3	1941.8	2346.4	3120.6	2958.1	2712.8	2461.1	2046.9	2000.7	2016.7
60°	12961.8	5651.8	1914.7	2196.7	2946.9	2766.9	2714.4	2437.2	1946.6	1866.9	1868.5
62.5°	13447.6	5776.0	1913.1	2102.7	2733.5	2596.5	2677.7	2359.2	1895.6	1849.4	1866.9
65°	13606.9	5650.2	1836.7	1997.6	2493.0	2392.6	2610.8	2276.3	1857.4	1787.3	1784.1
67.5°	13393.5	5259.9	1682.2	1827.1	2217.4	2155.3	2523.2	2177.6	1796.8	1739.5	1729.9
70°	12759.5	4388.6	1491.0	1602.5	1903.6	1887.6	2384.6	2062.9	1715.6	1666.2	1624.8
72.5°	11053.4	3127.0	1256.8	1333.3	1549.9	1600.9	2193.5	1913.1	1600.9	1494.2	1430.5
75°	9078.2	2314.5	1032.2	1048.2	1177.2	1315.8	1930.7	1737.9	1465.5	1283.9	1234.5
77.5°	5559.4	1416.1	822.0	828.3	844.3	1049.8	1589.8	1542.0	1293.5	1070.5	1035.4
80°	1800.0	772.6	594.2	624.4	576.6	769.4	1229.8	1312.6	1110.3	895.2	857.0
82.5°	685.0	450.8	401.4	422.1	399.8	516.1	896.8	1051.3	909.6	735.9	598.9
85°	331.3	254.9	237.3	266.0	246.9	264.4	573.5	774.2	689.7	479.5	446.0
87.5°	117.9	113.1	90.8	122.7	105.1	94.0	175.2	390.3	455.6	329.7	294.7
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)