

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: P459336

Luminaire Tested: **GLAN-SA8A-735-U-SL4**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8A-735-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33672 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

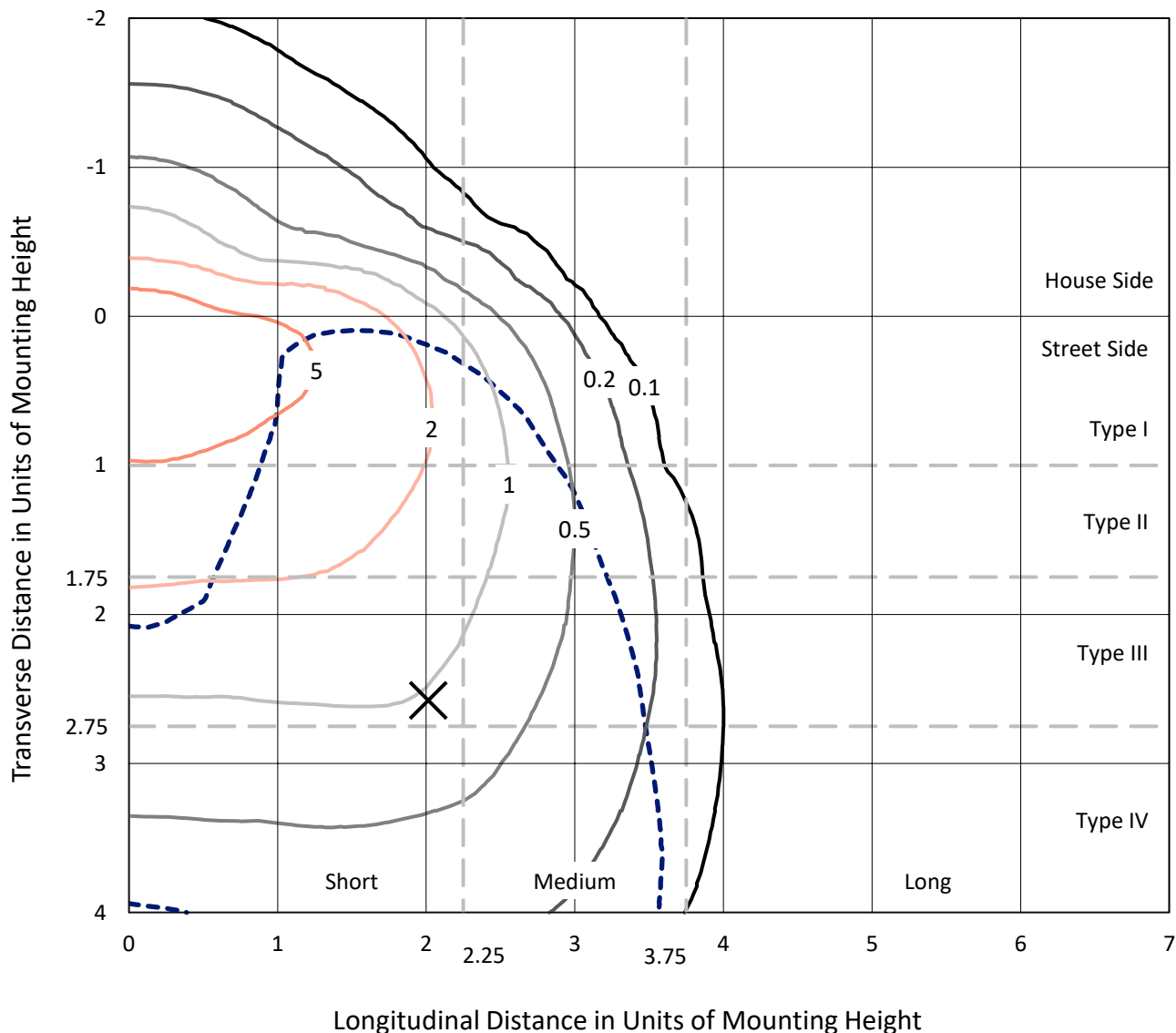
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

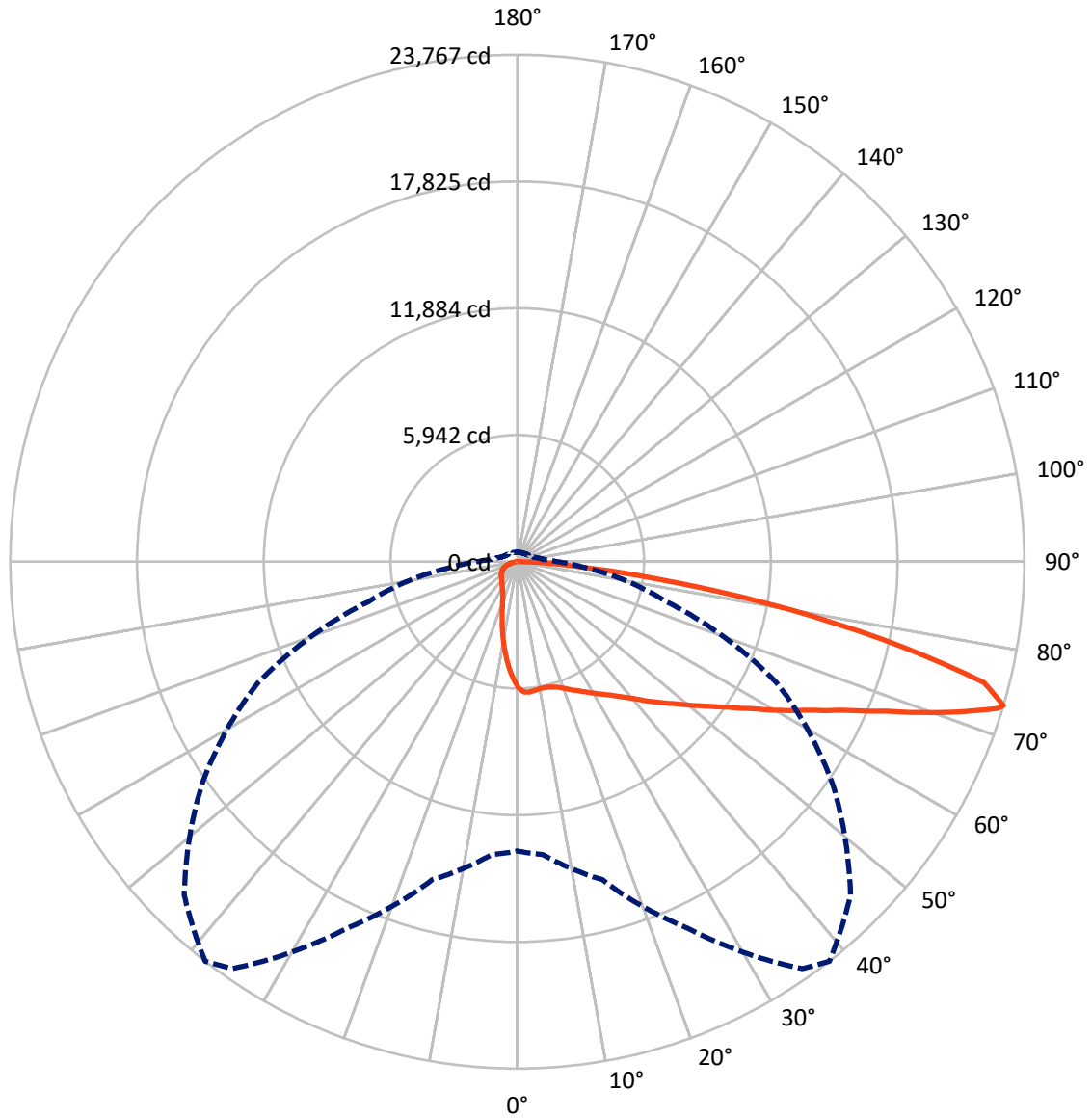
× Max cd  
 - - - 1/2 Max cd



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 73-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4526.5	0.0	4526.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	29145.5	0.0	29145.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	33672.0	0.0	33672.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.4	1.5
10°-20°	1324.1	3.9
20°-30°	2061.9	6.1
30°-40°	3024.4	9.0
40°-50°	4486.3	13.3
50°-60°	6356.2	18.9
60°-70°	8063.1	23.9
70°-80°	6711.9	19.9
80°-90°	1127.7	3.3
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°	33672.0	100.0
0°-180°	33672.0	100.0

**Coefficient of Utilization**



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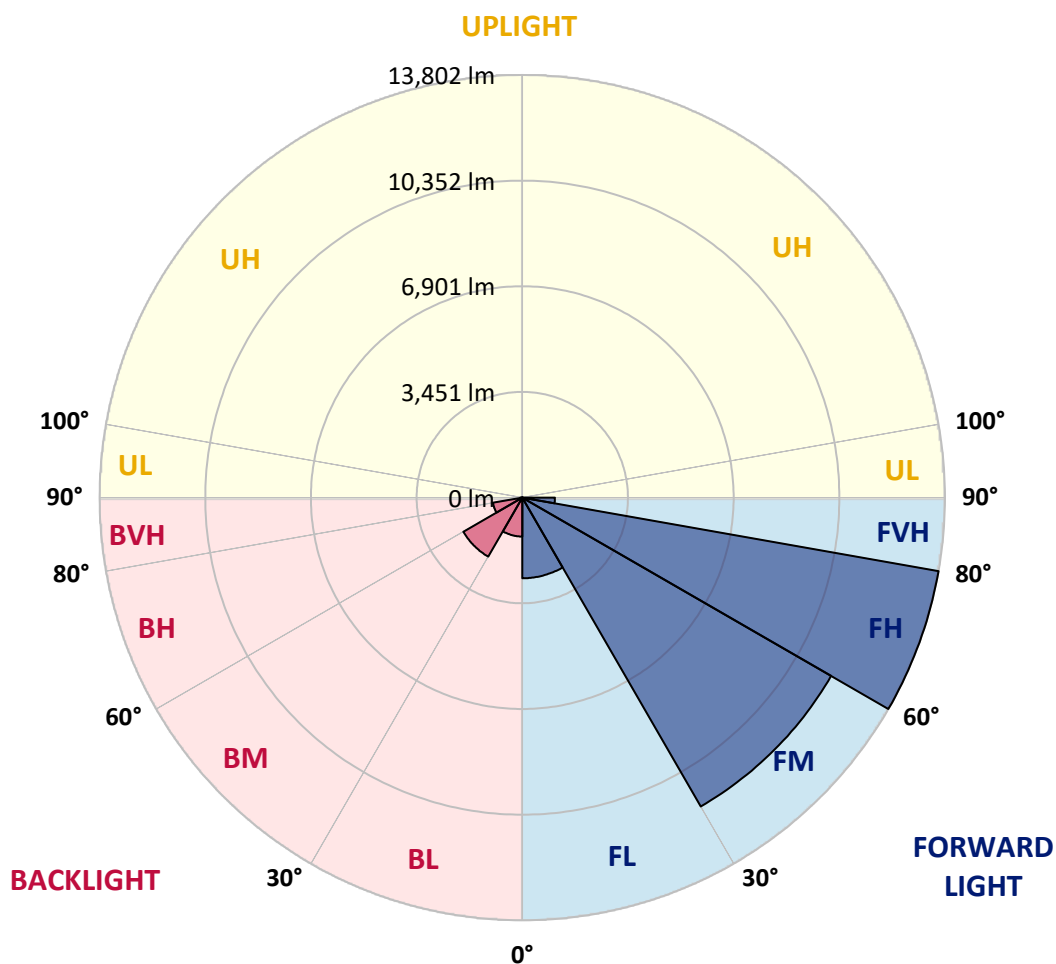
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2632.2	7.8			
FM (30°-60°)	11644.7	34.6			
FH (60°-80°)	13802.0	41.0			G5
FVH (80°-90°)	1066.6	3.2			G5
BL (0°-30°)	1270.2	3.8	B3/2500		
BM (30°-60°)	2222.2	6.6	B2/2500		
BH (60°-80°)	972.9	2.9	B2/1000		G2/1000
BVH (80°-90°)	61.2	0.2			G1/100
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6
2.5°	6153.3	6183.7	6168.5	6147.6	6134.3	6121.0	6101.9	6046.8	6003.1	5955.5	5881.4
5°	6198.9	6217.9	6204.6	6178.0	6147.6	6134.3	6098.1	6025.9	5955.5	5875.7	5765.4
7.5°	6172.3	6179.9	6164.7	6132.4	6105.8	6081.0	6039.2	5959.3	5873.8	5776.8	5632.3
10°	6077.2	6105.8	6105.8	6079.1	6052.5	6039.2	5997.4	5921.3	5843.3	5733.1	5561.9
12.5°	5999.3	6029.7	6054.4	6046.8	6044.9	6044.9	6012.6	5955.5	5864.3	5759.7	5556.2
15°	5946.0	5982.2	6035.4	6065.8	6084.8	6090.5	6077.2	6027.8	5934.6	5812.9	5579.0
17.5°	5934.6	5978.3	6075.3	6141.9	6191.3	6189.4	6185.6	6117.2	6014.5	5889.0	5607.6
20°	5986.0	6043.0	6178.0	6282.6	6354.8	6341.5	6320.6	6231.3	6111.5	5970.7	5634.2
22.5°	6140.0	6198.9	6347.2	6461.3	6531.7	6531.7	6468.9	6351.0	6223.6	6065.8	5670.3
25°	6360.6	6425.2	6583.0	6699.0	6731.3	6706.6	6643.9	6501.3	6354.8	6202.7	5746.4
27.5°	6630.6	6708.5	6854.9	6951.9	6942.4	6923.4	6858.7	6676.2	6529.8	6391.0	5875.7
30°	6967.1	7024.2	7176.3	7199.1	7164.9	7161.1	7069.8	6887.3	6750.4	6643.9	6060.1
32.5°	7284.7	7336.0	7457.7	7467.2	7406.4	7414.0	7328.4	7161.1	7083.1	7045.1	6370.1
35°	7621.3	7647.9	7752.5	7741.0	7701.1	7695.4	7661.2	7501.5	7526.2	7594.6	6809.3
37.5°	7902.7	7955.9	8014.9	8024.4	8022.5	8041.5	8064.3	7988.2	8130.9	8345.7	7385.5
40°	8161.3	8206.9	8294.4	8324.8	8399.0	8437.0	8515.0	8516.9	8845.8	9199.5	8094.7
42.5°	8336.2	8414.2	8577.7	8632.9	8813.5	8927.6	9043.6	9167.2	9644.5	10098.9	8931.4
45°	8488.3	8591.0	8862.9	9034.1	9279.4	9418.2	9663.5	9922.1	10608.5	11203.7	9781.4
47.5°	8718.4	8809.7	9121.5	9423.9	9794.7	9954.4	10321.4	10707.4	11604.9	12257.1	10595.2
50°	9037.9	9093.0	9410.6	9903.1	10376.5	10581.9	11066.8	11623.9	12669.8	13297.3	11310.2
52.5°	9446.7	9469.5	9722.4	10378.4	11002.1	11256.9	11899.7	12550.0	13601.5	14200.5	11876.8
55°	9929.7	9891.7	10089.4	10882.3	11717.1	12049.9	12740.1	13487.4	14649.2	14930.7	12289.5
57.5°	10407.0	10348.0	10505.8	11494.6	12599.4	13000.6	13805.0	14453.4	15584.8	15613.3	12578.5
60°	10912.8	10869.0	11057.3	12213.4	13681.4	14156.7	14900.2	15455.5	16489.9	16088.7	12624.1
62.5°	11431.9	11361.5	11629.6	13021.5	14900.2	15331.9	16052.6	16520.3	17377.9	16265.5	12184.9
65°	11935.8	11903.5	12318.0	13981.8	16288.3	16778.9	17478.7	17796.2	18089.1	15999.3	11095.3
67.5°	12472.0	12536.7	13198.4	15263.4	18098.6	18714.7	19469.6	19171.0	18292.5	14738.6	9344.0
70°	13289.7	13331.5	14354.5	16942.5	20431.7	21175.2	21540.3	19659.7	17311.4	12344.6	7024.2
72.5°	13641.4	13825.9	15387.0	18705.2	23082.4	23536.9	22236.3	18570.2	14421.1	8385.7	3690.8
73°	13563.5	13784.1	15434.6	18973.3	23289.7	23767.0	22087.9	18009.2	13405.7	7221.9	3164.1
75°	12591.8	12863.7	14816.6	18748.9	22886.6	22601.4	19703.5	15349.0	9058.8	3283.9	1441.3
77.5°	9935.4	10013.4	11739.9	15139.8	18022.5	17493.9	14746.2	9593.1	3700.3	1220.8	817.6
80°	4983.9	5271.0	6617.3	8672.8	12051.8	11878.7	9307.9	4537.0	1542.1	716.9	541.9
82.5°	2397.8	2601.3	3223.1	4229.0	6659.1	6501.3	4609.3	2479.6	979.3	418.3	319.5
85°	1544.0	1696.1	2051.7	2017.5	2738.2	2614.6	2070.7	1876.8	580.0	218.7	222.5
87.5°	1019.2	1116.2	1338.7	1070.6	996.4	901.3	914.6	1057.2	114.1	83.7	30.4
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°	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6	5915.6
2.5°	5850.9	5826.2	5744.5	5664.6	5588.5	5516.3	5468.7	5406.0	5364.2	5375.6	5392.7
5°	5704.5	5649.4	5504.9	5364.2	5231.1	5073.2	4945.8	4843.1	4765.2	4736.7	4731.0
7.5°	5550.5	5457.3	5250.1	5008.6	4782.3	4586.4	4360.2	4248.0	4116.8	4071.1	4055.9
10°	5457.3	5331.8	5040.9	4704.3	4364.0	4038.8	3793.5	3593.9	3413.2	3379.0	3361.9
12.5°	5430.7	5265.3	4873.6	4440.0	3987.5	3588.2	3225.0	2962.6	2787.6	2747.7	2688.7
15°	5415.5	5210.1	4717.6	4173.8	3599.6	3112.8	2730.6	2424.4	2264.7	2158.2	2160.1
17.5°	5402.2	5147.4	4542.7	3882.9	3264.9	2703.9	2281.8	2006.1	1859.7	1802.6	1796.9
20°	5383.2	5073.2	4341.1	3576.7	2882.7	2331.3	1949.0	1743.7	1644.8	1597.3	1595.4
22.5°	5375.6	5001.0	4143.4	3264.9	2544.2	2044.1	1728.5	1584.0	1521.2	1488.9	1488.9
25°	5394.6	4949.6	3936.1	2968.3	2243.8	1798.8	1576.4	1477.5	1441.3	1424.2	1418.5
27.5°	5453.5	4926.8	3730.8	2671.6	1968.1	1631.5	1473.7	1405.2	1378.6	1365.3	1367.2
30°	5565.7	4924.9	3529.2	2378.8	1762.7	1504.1	1391.9	1344.4	1323.5	1315.8	1313.9
32.5°	5746.4	4966.7	3331.4	2137.3	1589.7	1397.6	1315.8	1281.6	1272.1	1266.4	1264.5
35°	6052.5	5084.6	3135.6	1916.7	1456.6	1302.5	1243.6	1226.5	1213.2	1218.9	1220.8
37.5°	6465.1	5288.1	2949.2	1743.7	1355.8	1232.2	1182.7	1167.5	1159.9	1165.6	1171.3
40°	7018.5	5580.9	2793.3	1604.9	1283.5	1173.2	1129.5	1116.2	1108.6	1118.1	1120.0
42.5°	7628.9	5919.4	2664.0	1496.5	1224.6	1123.8	1082.0	1066.7	1061.0	1066.7	1068.6
45°	8256.4	6313.0	2597.5	1418.5	1175.1	1087.7	1043.9	1026.8	1013.5	1009.7	1015.4
47.5°	8874.4	6655.3	2595.6	1371.0	1135.2	1055.3	1007.8	988.8	971.7	962.2	960.3
50°	9378.3	6927.2	2641.2	1350.1	1101.0	1019.2	971.7	952.7	929.8	910.8	914.6
52.5°	9758.6	7104.0	2662.1	1340.6	1082.0	981.2	933.6	916.5	889.9	865.2	865.2
55°	10003.8	7145.9	2610.8	1331.1	1066.7	941.2	889.9	874.7	848.1	823.4	823.4
57.5°	10087.5	7016.6	2426.3	1308.2	1051.5	907.0	846.2	832.9	811.9	787.2	783.4
60°	9893.6	6579.2	2103.1	1239.8	1021.1	870.9	798.6	792.9	785.3	764.4	762.5
62.5°	9146.3	5651.3	1751.3	1150.4	969.8	832.9	754.9	764.4	770.1	758.7	756.8
65°	7902.7	4588.3	1496.5	1026.8	901.3	779.6	707.4	732.1	747.3	747.3	743.5
67.5°	6410.0	3523.5	1260.7	920.3	815.7	707.4	654.1	673.1	684.5	680.7	690.2
70°	4556.0	2386.4	1026.8	798.6	707.4	625.6	585.7	585.7	578.1	574.3	574.3
72.5°	2209.6	1363.4	832.9	667.4	602.8	534.3	502.0	488.7	473.5	471.6	462.1
73°	1846.4	1222.7	794.8	642.7	578.1	521.0	484.9	464.0	454.5	446.9	445.0
75°	1123.8	927.9	663.6	541.9	492.5	448.8	416.4	397.4	387.9	382.2	380.3
77.5°	739.7	692.1	515.3	414.5	376.5	349.9	336.6	317.6	311.8	304.2	304.2
80°	551.4	528.6	368.9	292.8	270.0	247.2	243.4	239.6	224.4	214.9	211.1
82.5°	355.6	376.5	251.0	195.9	171.1	152.1	154.0	159.7	144.5	131.2	127.4
85°	252.9	271.9	152.1	89.4	72.3	62.7	70.4	62.7	64.7	51.3	41.8
87.5°	41.8	72.3	26.6	11.4	5.7	3.8	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)