

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: P322020

Luminaire Tested: **GAN-SA6D-760-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-760-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33013 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

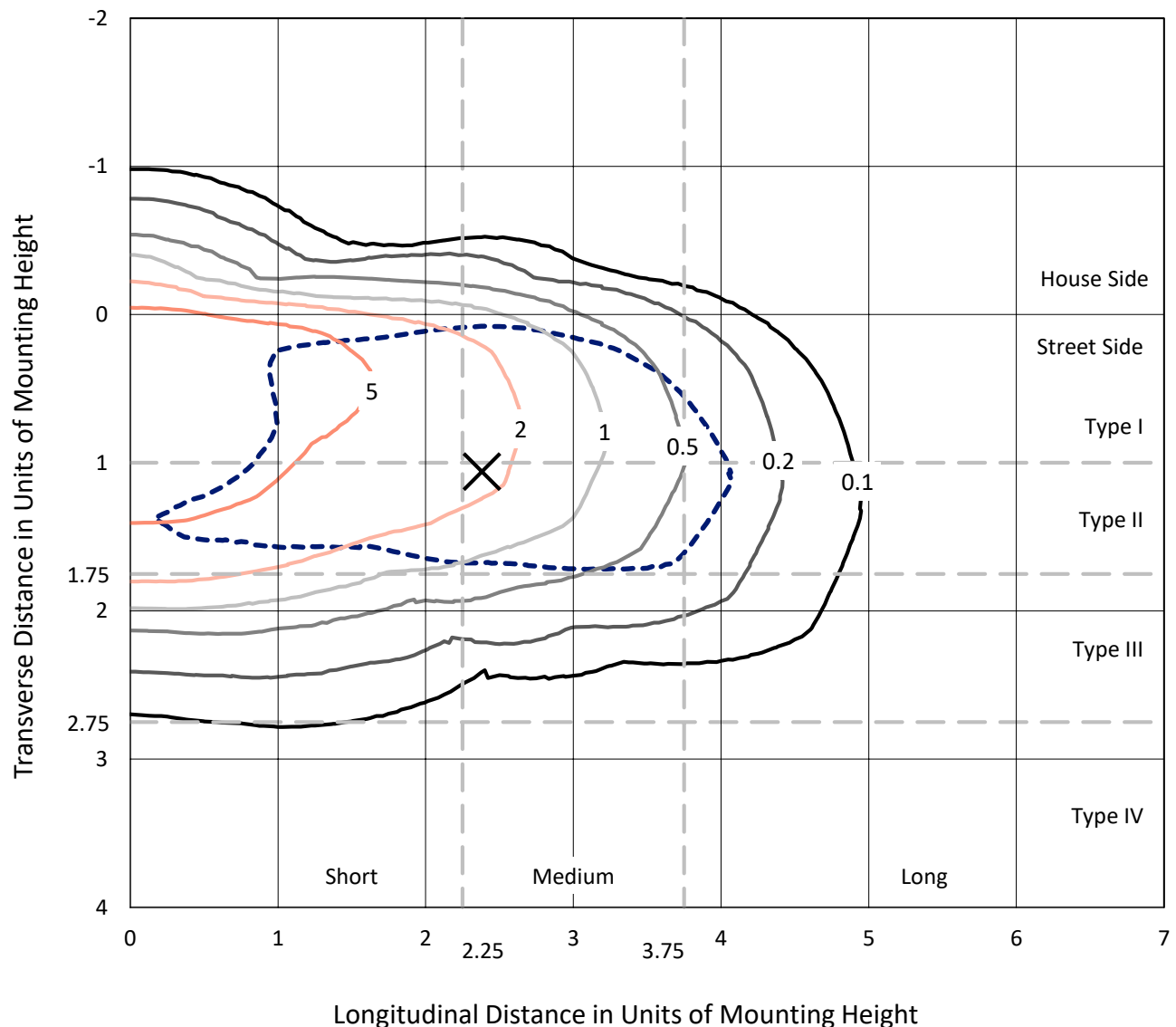
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

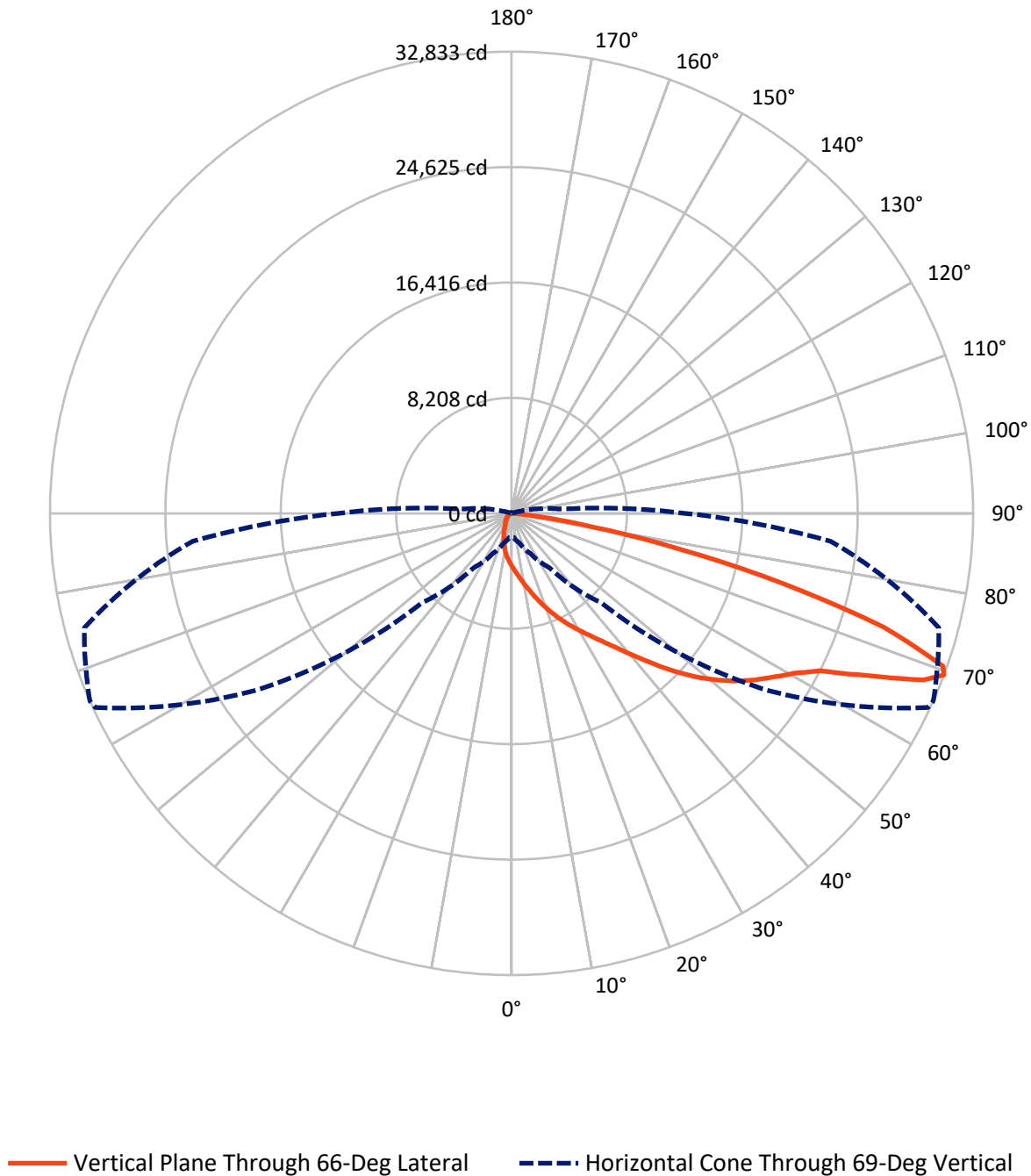
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1980.3	0.0	1980.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	31032.7	0.0	31032.7
	% Fixture	94.0	0.0	94.0
Total	Lumens	33013.0	0.0	33013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.2	1.1
10°-20°	1080.8	3.3
20°-30°	1882.1	5.7
30°-40°	3302.2	10.0
40°-50°	5527.4	16.7
50°-60°	8124.7	24.6
60°-70°	8342.0	25.3
70°-80°	4118.2	12.5
80°-90°	272.3	0.8
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°	33013.0	100.0
0°-180°	33013.0	100.0

Coefficient of Utilization



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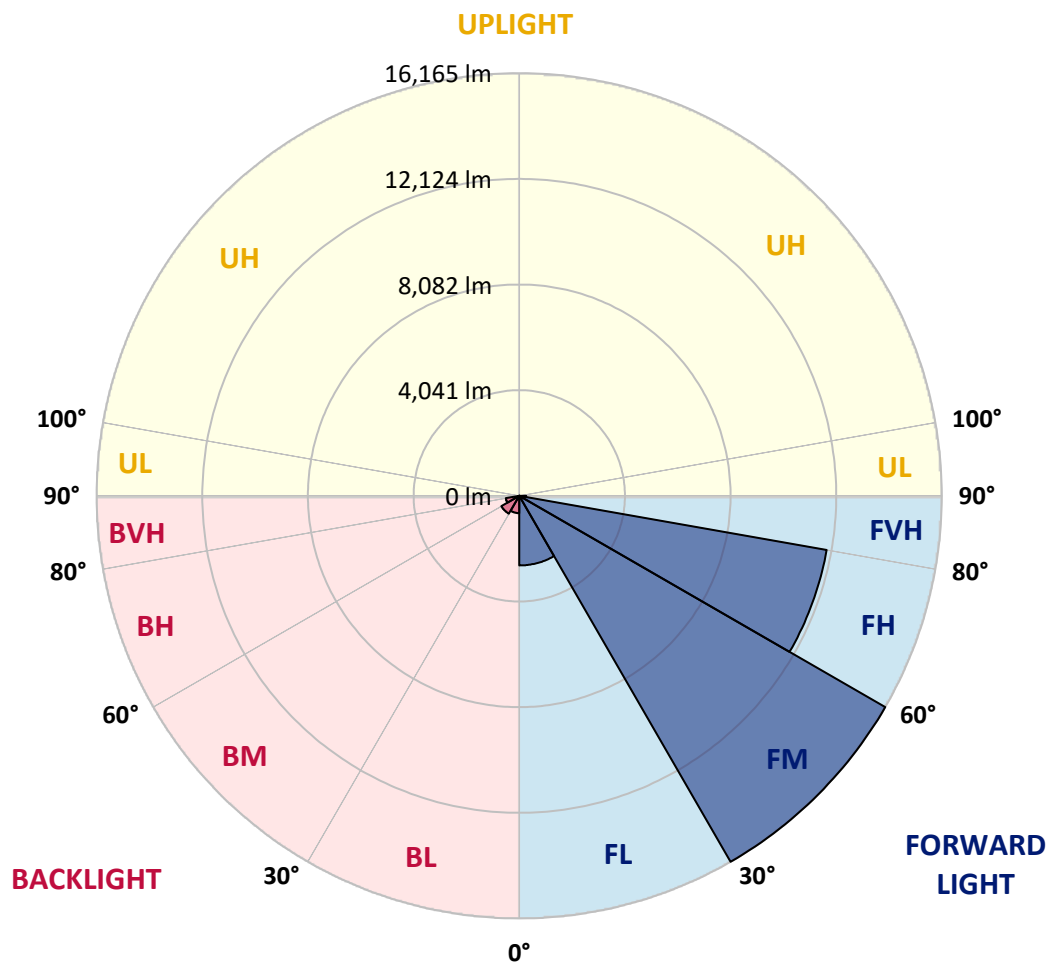
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2663.8	8.1			
FM	(30°-60°)	16164.7	49.0			
FH	(60°-80°)	11938.4	36.2			G4/12000
FVH	(80°-90°)	265.7	0.8			G3/500
BL	(0°-30°)	662.3	2.0	B2/1000		
BM	(30°-60°)	789.6	2.4	B1/1000		
BH	(60°-80°)	521.9	1.6	B2/1000		G2/1000
BVH	(80°-90°)	6.6	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-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0
2.5°	4421.8	4403.0	4395.2	4360.7	4301.1	4255.6	4167.8	4065.9	4047.1	3948.3	3827.5
5°	4995.7	4980.0	4969.1	4920.5	4859.3	4744.8	4584.9	4395.2	4359.1	4170.9	3929.5
7.5°	5395.6	5423.8	5423.8	5392.4	5315.6	5229.4	5033.4	4774.6	4729.2	4440.6	4065.9
10°	5629.2	5663.7	5690.4	5717.0	5706.0	5671.5	5486.5	5194.9	5140.0	4757.4	4224.3
12.5°	5651.2	5685.7	5760.9	5872.2	5980.4	6058.8	5942.8	5660.6	5597.8	5124.3	4412.4
15°	5528.9	5564.9	5681.0	5897.3	6159.2	6388.1	6425.8	6176.4	6112.2	5561.8	4647.6
17.5°	5315.6	5339.1	5505.3	5804.8	6215.6	6635.9	6863.2	6730.0	6670.4	6062.0	4909.5
20°	5157.2	5174.5	5320.3	5641.8	6181.2	6791.1	7277.2	7318.0	7255.2	6598.2	5193.3
22.5°	5428.5	5459.9	5464.6	5616.7	6087.1	6867.9	7641.0	7896.6	7849.5	7167.4	5472.4
25°	6170.2	6206.2	6087.1	5993.0	6167.0	6902.4	7953.0	8489.3	8451.6	7780.5	5753.1
27.5°	7150.2	7187.8	7034.2	6753.5	6585.7	7032.6	8230.6	9091.4	9089.8	8429.7	6055.7
30°	8113.0	8150.6	7993.8	7713.1	7327.4	7401.1	8470.5	9721.7	9731.2	9099.2	6377.2
32.5°	9122.8	9169.8	9008.3	8647.7	8244.7	8037.7	8807.6	10355.2	10408.5	9875.4	6739.4
35°	10270.6	10276.8	10049.5	9671.6	9207.4	8889.1	9348.6	11065.5	11192.6	10836.6	7198.8
37.5°	11396.4	11441.9	11255.3	10659.4	10232.9	9872.3	10153.0	11953.0	12133.4	12011.1	7799.4
40°	12230.6	12326.2	12299.6	11656.7	11252.1	10995.0	11151.8	13008.3	13237.3	13378.4	8556.7
42.5°	12754.3	12826.4	12948.7	12561.4	12194.5	12236.9	12330.9	14237.7	14519.9	14937.0	9427.0
45°	13354.9	13389.4	13491.3	13320.4	13072.6	13499.1	13582.2	15622.2	15918.6	16613.2	10392.9
47.5°	14088.7	14170.2	14198.5	14041.7	13928.8	14615.6	14788.0	16881.3	17296.9	18408.6	11415.2
50°	15023.2	15045.2	15093.8	14991.9	14879.0	15575.2	15870.0	18203.2	18581.1	20210.3	12423.5
52.5°	15937.4	16015.8	16185.1	16120.9	16075.4	16392.1	16834.3	19394.9	19816.7	21712.4	13430.1
55°	16200.8	16268.2	16853.1	17253.0	17623.0	17398.8	17756.3	20462.7	20919.0	23054.7	14399.2
57.5°	15148.7	15285.1	16298.0	17339.2	18874.3	18963.7	19023.3	21558.8	21968.0	24083.3	15407.4
60°	12489.3	12516.0	14178.1	15964.1	18667.3	20329.4	20873.5	22736.3	23079.7	25041.3	16614.8
62.5°	7943.6	8214.9	10038.5	12559.9	16478.4	20131.9	23111.1	24517.6	24643.1	26190.7	18345.9
65°	3783.6	3959.3	5273.3	7760.2	11935.8	17602.6	24655.6	27739.9	27796.4	28469.0	20658.7
67.5°	2094.9	2179.6	2805.2	4177.2	6977.7	12448.5	24031.5	31556.5	31609.8	30796.0	22687.7
69°	1638.6	1710.7	2203.1	3148.6	4730.7	8947.1	21746.9	32674.5	32832.9	31462.4	22759.9
70°	1390.8	1461.4	1897.3	2659.4	3804.0	6913.4	19357.3	32396.9	32564.7	31399.7	22222.0
72.5°	851.4	892.2	1263.8	1872.2	2549.6	3477.9	11937.4	27398.1	27681.9	28803.0	19098.5
75°	573.9	595.8	790.3	1292.1	1823.6	1790.7	6201.5	19311.8	19926.4	22405.5	14105.9
77.5°	410.8	431.2	530.0	835.8	1277.9	1182.3	2808.3	12001.7	12133.4	13438.0	7692.7
80°	233.6	252.5	374.8	497.1	867.1	788.7	1116.4	5732.7	5798.6	5762.5	2568.4
82.5°	122.3	138.0	205.4	327.7	556.6	515.9	464.1	1919.3	1928.7	1604.1	562.9
85°	23.5	28.2	101.9	224.2	286.9	224.2	189.7	450.0	459.4	406.1	139.6
87.5°	0.0	1.6	40.8	50.2	56.4	58.0	61.2	87.8	94.1	127.0	37.6
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°	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0	3757.0
2.5°	3774.2	3717.8	3609.6	3484.1	3386.9	3291.3	3216.0	3137.6	3109.4	3095.3	3093.7
5°	3811.9	3692.7	3463.8	3228.6	3035.7	2853.8	2723.7	2599.8	2541.8	2515.1	2504.1
7.5°	3874.6	3683.3	3314.8	2955.7	2678.2	2450.8	2270.5	2135.6	2068.2	2040.0	2029.0
10°	3948.3	3670.7	3140.8	2667.2	2312.8	2077.6	1898.9	1765.6	1691.9	1660.5	1644.9
12.5°	4034.5	3648.8	2940.0	2375.6	2000.8	1765.6	1549.2	1384.6	1299.9	1263.8	1246.6
15°	4141.2	3626.8	2729.9	2101.2	1726.4	1439.4	1202.7	1091.3	1074.1	1067.8	1069.4
17.5°	4246.2	3592.3	2501.0	1829.9	1437.9	1124.3	1003.5	997.3	1000.4	1000.4	1000.4
20°	4340.3	3513.9	2251.7	1597.8	1163.5	948.7	923.6	912.6	904.7	898.5	890.6
22.5°	4414.0	3408.9	2011.8	1367.3	950.2	868.7	829.5	795.0	766.8	747.9	738.5
25°	4464.2	3269.3	1792.3	1146.2	854.6	790.3	719.7	661.7	617.8	591.1	580.2
27.5°	4501.8	3118.8	1596.2	959.6	788.7	699.3	606.8	537.8	492.4	468.8	459.4
30°	4528.5	2947.9	1423.8	843.6	715.0	603.7	504.9	437.5	404.6	392.0	385.7
32.5°	4553.5	2758.2	1260.7	788.7	646.0	515.9	423.4	371.6	351.2	335.6	330.9
35°	4616.3	2582.5	1105.5	730.7	575.5	440.6	363.8	326.1	305.8	296.4	293.2
37.5°	4765.2	2452.4	956.5	671.1	504.9	381.0	318.3	291.7	272.8	263.4	260.3
40°	5005.1	2386.5	831.1	606.8	435.9	335.6	288.5	263.4	243.0	228.9	225.8
42.5°	5357.9	2395.9	743.2	542.5	381.0	299.5	260.3	230.5	208.5	196.0	192.9
45°	5786.0	2464.9	682.1	479.8	335.6	271.3	228.9	197.6	177.2	166.2	163.1
47.5°	6250.1	2576.3	631.9	423.4	299.5	244.6	197.6	164.6	147.4	138.0	136.4
50°	6739.4	2684.5	580.2	368.5	268.1	218.0	166.2	136.4	122.3	114.5	111.3
52.5°	7234.9	2809.9	533.1	318.3	241.5	186.6	138.0	111.3	100.4	94.1	90.9
55°	7768.0	2904.0	487.7	279.1	214.8	158.4	114.5	92.5	83.1	75.3	73.7
57.5°	8395.2	3049.8	440.6	241.5	183.5	131.7	94.1	73.7	65.9	58.0	56.4
60°	9241.9	3220.7	390.4	213.3	150.5	108.2	76.8	59.6	50.2	43.9	42.3
62.5°	10358.4	3410.5	327.7	186.6	122.3	87.8	61.2	47.0	36.1	28.2	28.2
65°	11774.3	3719.4	268.1	156.8	100.4	72.1	47.0	34.5	20.4	12.5	12.5
67.5°	12600.6	3772.7	216.4	128.6	81.5	61.2	39.2	23.5	6.3	1.6	0.0
69°	12335.6	3463.8	183.5	109.8	70.6	58.0	36.1	17.2	3.1	0.0	0.0
70°	11837.0	3167.4	161.5	97.2	64.3	54.9	34.5	12.5	3.1	0.0	0.0
72.5°	9781.3	2254.8	122.3	72.1	47.0	48.6	31.4	7.8	3.1	0.0	0.0
75°	7125.1	1370.5	87.8	50.2	29.8	36.1	22.0	3.1	1.6	0.0	0.0
77.5°	3964.0	646.0	54.9	28.2	18.8	22.0	11.0	0.0	0.0	0.0	0.0
80°	1287.3	175.6	25.1	15.7	11.0	12.5	4.7	0.0	0.0	0.0	0.0
82.5°	238.3	50.2	14.1	7.8	3.1	3.1	0.0	0.0	0.0	0.0	0.0
85°	51.7	20.4	7.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.2	6.3	1.6	0.0	0.0	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)