

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: P268585

Luminaire Tested: **GAN-AF-06-LED-U-SL2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P268585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL2-7027
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30301.3 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G4

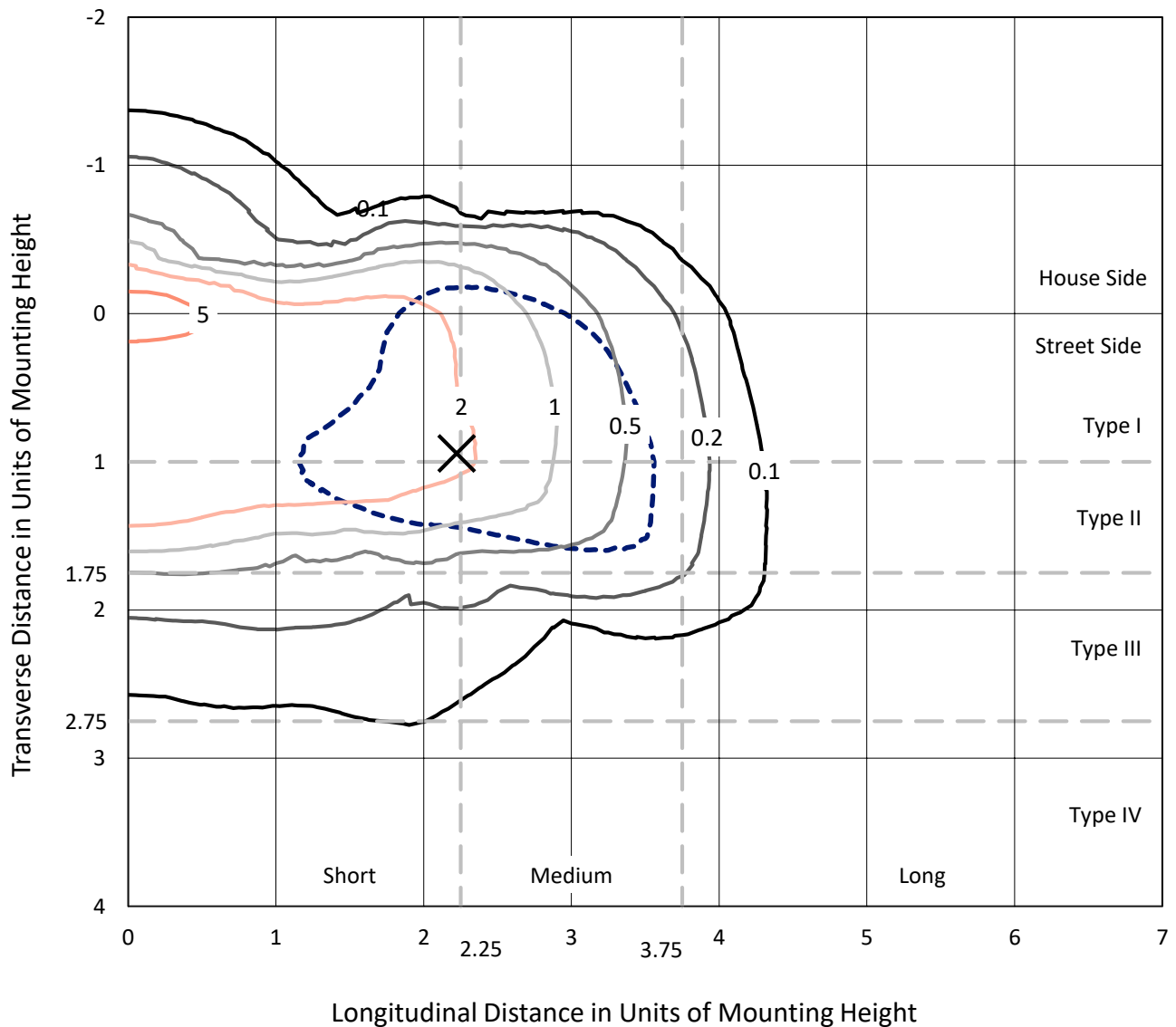
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

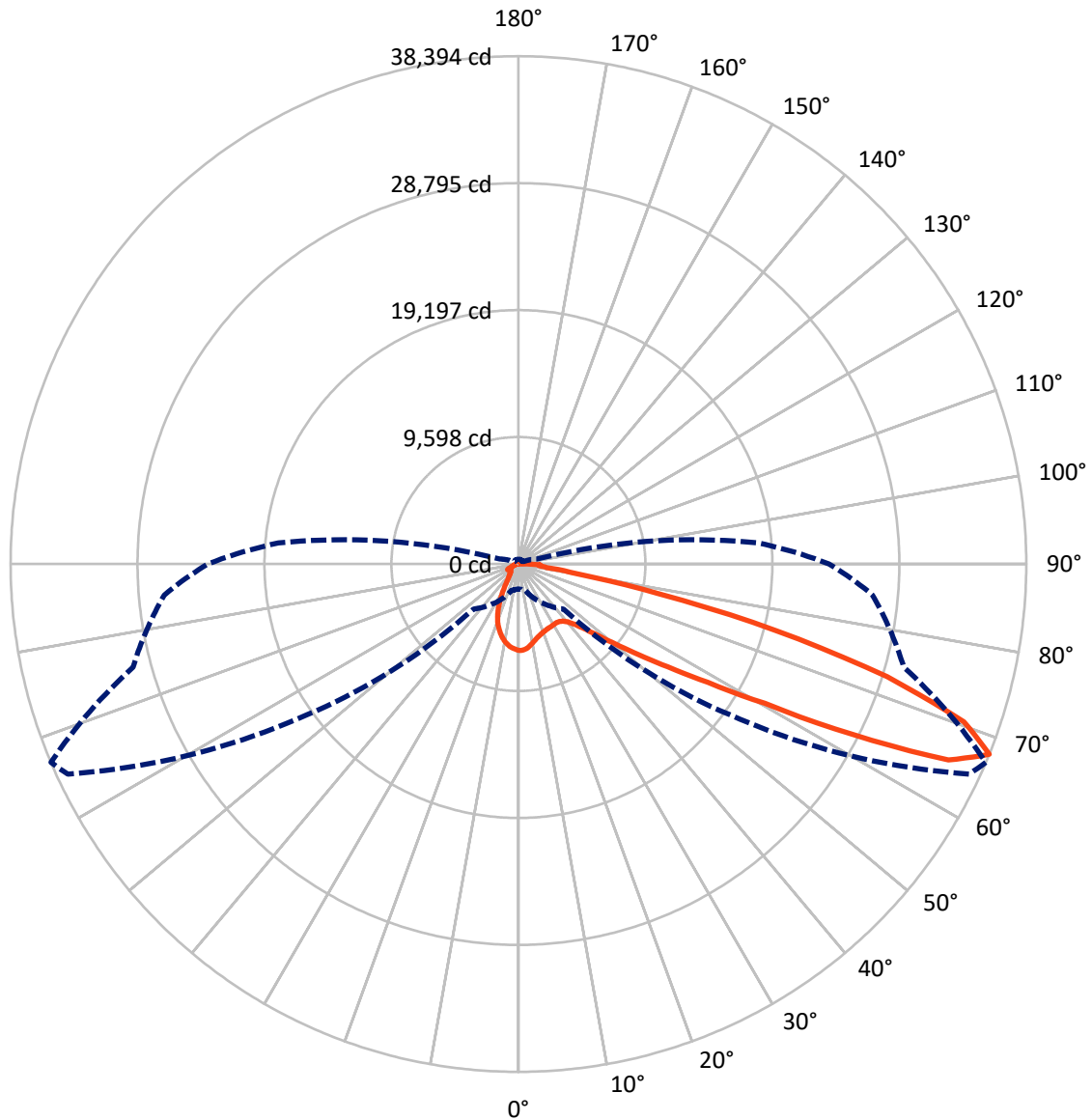
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5020.6	0.0	5020.6
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	25280.7	0.0	25280.7
	% Fixture	83.4	0.0	83.4
Total	Lumens	30301.3	0.0	30301.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.6	1.8
10°-20°	1290.2	4.3
20°-30°	1748.9	5.8
30°-40°	2486.3	8.2
40°-50°	4159.6	13.7
50°-60°	6580.5	21.7
60°-70°	8382.9	27.7
70°-80°	4391.0	14.5
80°-90°	704.2	2.3
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°	30301.3	100.0
0°-180°	30301.3	100.0

Coefficient of Utilization



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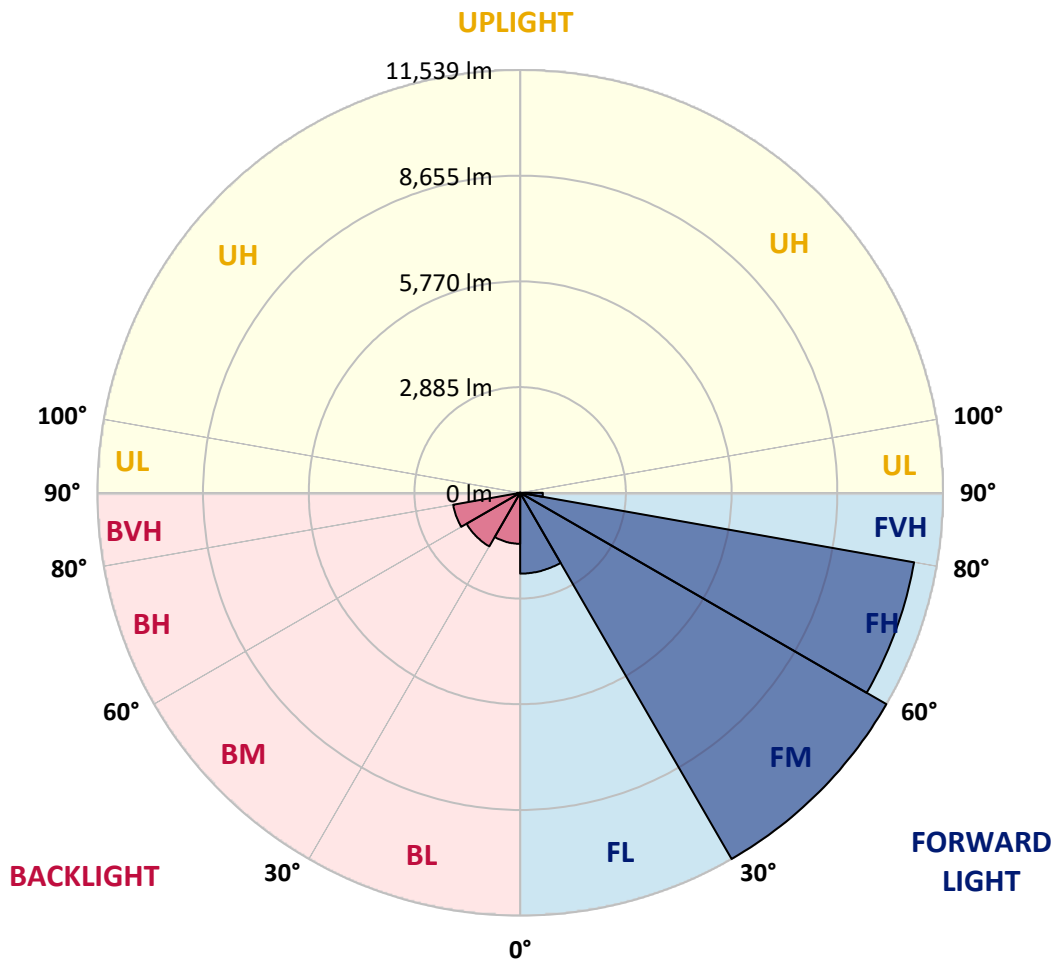
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2205.2	7.3			
FM	(30°-60°)	11539.4	38.1			
FH	(60°-80°)	10916.9	36.0			G4/12000
FVH	(80°-90°)	619.2	2.0			G4/750
BL	(0°-30°)	1391.6	4.6	B3/2500		
BM	(30°-60°)	1687.1	5.6	B2/2500		
BH	(60°-80°)	1857.0	6.1	B3/2500		G3/2500
BVH	(80°-90°)	85.0	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9
2.5°	6266.9	6277.4	6310.2	6331.3	6425.3	6465.7	6494.0	6522.5	6526.9	6540.4	6526.9
5°	5609.5	5631.8	5693.2	5761.9	5944.2	6087.6	6238.5	6395.5	6423.8	6525.5	6553.9
7.5°	5099.9	5094.0	5144.8	5227.0	5413.7	5612.5	5876.9	6189.2	6250.4	6479.1	6589.6
10°	4727.9	4723.4	4777.1	4862.3	5040.2	5228.4	5527.4	5954.7	6041.3	6406.0	6624.1
12.5°	4452.9	4454.3	4508.2	4602.3	4783.1	4972.8	5276.3	5727.6	5838.1	6320.7	6659.9
15°	4270.6	4282.6	4325.9	4425.9	4602.3	4792.1	5089.4	5557.2	5681.2	6253.6	6700.3
17.5°	4209.4	4228.9	4243.8	4317.0	4467.8	4657.6	4949.0	5431.6	5563.2	6207.2	6736.1
20°	4266.1	4288.6	4260.1	4285.5	4381.2	4548.6	4838.5	5333.1	5467.5	6154.8	6740.6
22.5°	4509.8	4530.6	4446.9	4373.7	4367.6	4469.3	4747.3	5255.4	5394.3	6116.0	6742.0
25°	4938.5	4951.9	4811.5	4641.3	4475.4	4441.0	4683.0	5201.5	5349.4	6081.6	6713.8
27.5°	5464.5	5475.0	5313.7	5062.6	4729.3	4508.2	4660.5	5170.1	5324.1	6051.8	6666.0
30°	6104.1	6153.4	5936.7	5619.9	5134.4	4706.8	4705.4	5153.8	5295.7	6000.9	6571.8
32.5°	6758.6	6779.5	6630.0	6308.7	5679.8	5056.6	4830.9	5165.7	5288.2	5939.8	6452.3
35°	7421.9	7448.9	7351.8	7093.2	6425.3	5569.1	5076.1	5236.0	5334.6	5918.8	6368.5
37.5°	8281.3	8317.0	8182.7	7883.7	7332.3	6263.9	5484.0	5412.2	5476.4	5978.6	6343.1
40°	9639.5	9623.1	9230.1	8784.7	8324.6	7153.1	6066.8	5711.1	5748.4	6171.4	6420.8
42.5°	11220.4	11180.0	10503.3	9803.8	9415.3	8229.0	6837.8	6229.6	6222.1	6550.9	6694.3
45°	12481.6	12448.7	11839.0	10976.8	10666.0	9454.2	7834.4	7002.1	6946.9	7153.1	7199.3
47.5°	13164.5	13166.0	12814.9	12110.9	12103.6	11011.2	9115.0	8119.8	8024.2	8121.3	8072.0
50°	12925.4	12956.8	12919.5	12695.2	13415.5	13052.5	10787.0	9678.3	9485.7	9581.2	9391.4
52.5°	11768.9	11809.2	12030.3	12374.1	13966.8	15519.4	13243.6	11614.9	11390.8	11356.5	11145.7
55°	9718.8	9768.0	10219.3	11153.1	13508.2	17176.6	17119.8	14083.4	13726.3	13402.1	13312.4
57.5°	6698.8	6780.9	7507.1	8893.8	12024.4	17677.1	21735.6	17602.5	16876.2	15743.5	15764.4
60°	3776.0	3871.6	4727.9	5987.6	9029.9	17133.3	25247.0	22932.6	21399.3	18485.5	18641.0
62.5°	2401.3	2504.4	3154.4	4160.1	5418.1	14204.4	26686.0	30342.5	28395.6	21865.6	22017.9
65°	1944.0	1988.8	2295.2	3433.9	3934.3	8557.7	25593.8	36446.7	35720.5	26155.6	25444.3
67.5°	1897.7	1912.6	2071.0	2882.4	3773.1	4810.1	20414.6	37588.1	38393.6	30161.8	26871.4
70°	1875.3	1927.7	2334.1	2750.9	3613.2	4056.9	12268.0	34459.3	35730.9	31209.3	24972.2
72.5°	910.1	907.0	1174.5	2487.9	4070.4	4207.8	6302.8	27881.5	29157.5	27038.8	20520.7
75°	733.6	670.9	641.0	911.5	3913.5	4345.3	4016.6	19184.8	20108.3	18128.4	12614.5
77.5°	696.4	621.5	569.3	570.9	1654.1	4608.3	3402.4	10618.2	10887.2	8188.6	3456.1
80°	576.8	508.0	470.7	530.4	800.8	4388.7	3678.9	4805.6	4409.6	2011.2	1150.5
82.5°	400.5	364.6	354.1	445.3	641.0	3127.4	4278.1	2582.1	2165.2	1007.1	709.8
85°	255.5	218.2	242.1	324.3	499.1	1443.4	4406.5	2012.8	1600.4	639.6	400.5
87.5°	118.0	95.6	119.6	179.3	325.7	497.7	4192.8	2260.9	1648.2	337.8	252.6
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°	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9	6535.9
2.5°	6538.9	6510.5	6488.1	6446.2	6400.0	6355.1	6314.7	6263.9	6249.0	6235.6	6256.4
5°	6559.9	6531.4	6449.2	6320.7	6178.8	6045.9	5912.9	5799.3	5729.0	5690.1	5712.6
7.5°	6591.3	6550.9	6380.5	6144.3	5888.8	5655.8	5415.3	5222.4	5080.5	5013.3	5032.7
10°	6619.6	6541.8	6263.9	5909.8	5536.3	5189.6	4810.1	4496.2	4263.1	4140.6	4170.6
12.5°	6631.6	6507.5	6101.1	5616.9	5104.3	4596.4	4037.5	3568.2	3233.5	3111.1	3085.7
15°	6643.4	6468.6	5921.7	5283.7	4583.0	3864.1	3081.1	2519.3	2241.5	2180.1	2166.7
17.5°	6646.5	6401.4	5718.5	4922.2	3971.8	2993.1	2107.0	1749.8	1751.2	1849.9	1861.8
20°	6615.1	6301.3	5471.9	4472.3	3239.6	2069.5	1446.5	1385.1	1610.8	1857.3	1887.2
22.5°	6543.3	6168.3	5192.6	3947.8	2401.3	1362.8	1119.2	1186.4	1477.8	1779.6	1814.0
25°	6452.3	6007.0	4862.3	3339.7	1589.9	974.2	938.4	1020.6	1217.8	1419.5	1438.9
27.5°	6328.2	5815.6	4491.7	2643.4	1032.5	802.5	826.4	881.6	962.4	1051.9	1060.9
30°	6168.3	5587.1	4095.8	1927.7	780.0	721.7	756.2	785.9	820.3	871.1	875.7
32.5°	5984.5	5367.5	3689.2	1331.4	691.9	679.8	706.7	721.7	748.6	780.0	783.1
35°	5830.5	5158.2	3267.9	941.3	654.4	648.4	666.5	672.4	697.9	732.2	735.2
37.5°	5742.4	4987.8	2833.2	759.1	629.2	620.1	630.6	630.6	666.5	717.2	724.8
40°	5748.4	4893.6	2398.3	685.9	608.2	596.3	597.7	597.7	644.1	699.3	703.8
42.5°	5911.2	4917.6	2012.8	657.5	591.8	578.2	570.9	575.3	614.1	650.1	653.0
45°	6293.9	5086.5	1651.2	639.6	575.3	570.9	554.3	552.8	567.8	584.3	584.3
47.5°	6921.4	5419.7	1406.0	627.6	561.8	560.4	540.9	521.5	519.9	526.0	526.0
50°	7942.0	5993.5	1241.7	614.1	552.8	540.9	518.5	488.6	478.2	482.7	482.7
52.5°	9472.2	7017.1	1178.9	596.3	533.5	514.0	488.6	458.8	449.8	451.3	451.3
55°	11478.9	8589.1	1170.0	575.3	512.6	481.1	460.2	437.8	427.4	430.4	430.4
57.5°	13931.0	10763.2	1329.9	542.4	484.1	448.3	436.3	421.3	413.8	418.4	417.0
60°	16912.1	13608.2	1972.4	508.0	455.7	418.4	418.4	406.5	400.5	405.0	403.5
62.5°	20345.9	16876.2	2773.3	482.7	425.8	394.4	400.5	394.4	388.4	391.5	390.0
65°	23391.2	19005.5	2597.0	463.3	396.1	372.1	382.5	379.5	375.0	378.0	376.6
67.5°	23479.4	18216.5	1458.4	442.2	367.5	349.7	364.6	363.2	360.1	363.2	361.6
70°	20954.0	15381.9	821.9	403.5	337.8	322.9	343.7	342.2	339.2	345.2	343.7
72.5°	16788.1	11162.2	600.6	355.5	307.8	294.4	318.3	316.8	316.8	325.7	321.2
75°	9660.5	5743.9	479.6	304.9	276.5	266.0	286.9	288.4	291.4	303.4	294.4
77.5°	2753.9	1790.1	391.5	258.5	237.6	233.1	254.0	257.1	258.5	271.9	260.0
80°	1023.6	824.9	322.9	216.8	194.3	195.7	215.1	219.6	221.2	234.5	219.6
82.5°	653.0	544.0	261.4	167.4	152.4	150.9	174.8	180.7	180.7	182.3	173.4
85°	381.1	325.7	197.3	121.0	107.5	103.0	130.1	140.4	136.0	132.9	127.0
87.5°	255.5	224.1	121.0	67.3	58.3	55.2	76.1	83.7	80.7	76.1	71.8
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)