

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: P193686

Luminaire Tested: **GAN-AF-08-LED-U-SL3-8030-1200-HSS-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-08-LED-U-SL3-8030-1200-HSS-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36482 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 511
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

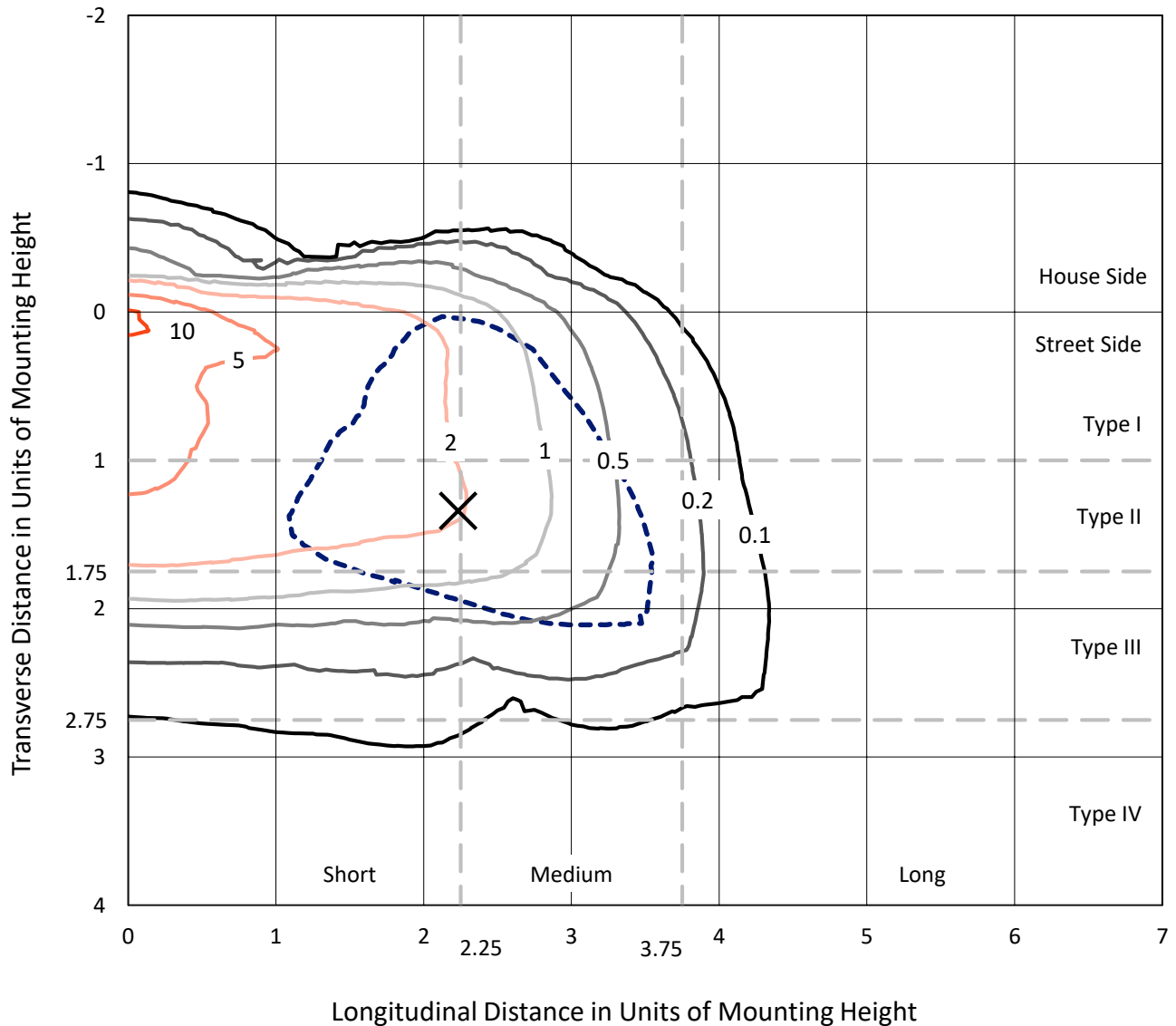


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

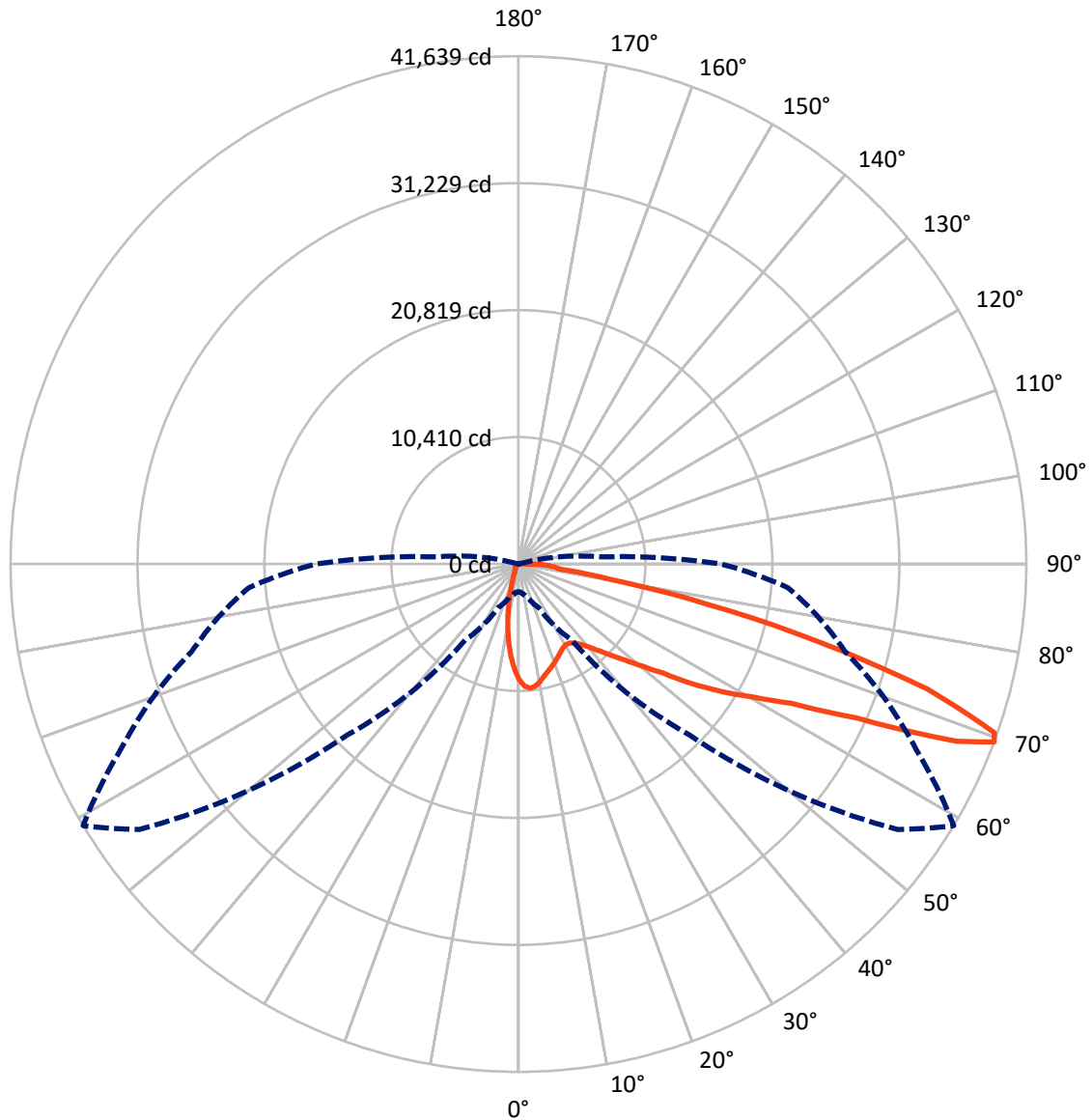


Based on 30 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2971.0	0.0	2971.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	33511.0	0.0	33511.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	36482.0	0.0	36482.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	770.8	2.1
10°-20°	1592.6	4.4
20°-30°	2143.1	5.9
30°-40°	3111.6	8.5
40°-50°	5181.1	14.2
50°-60°	8082.4	22.2
60°-70°	10001.4	27.4
70°-80°	5068.6	13.9
80°-90°	530.4	1.5
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°	36482.0	100.0
0°-180°	36482.0	100.0



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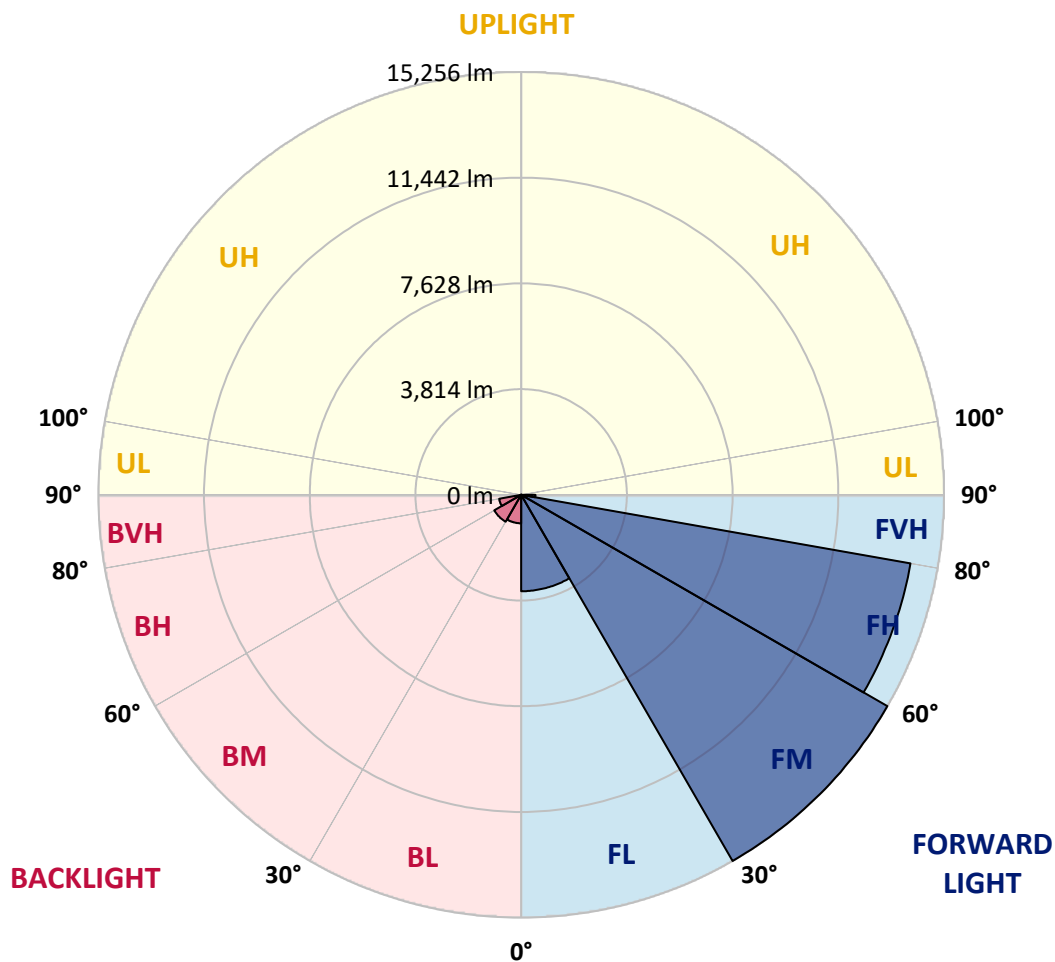
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3478.2	9.5			
FM	(30°-60°)	15255.7	41.8			
FH	(60°-80°)	14263.1	39.1			G5
FVH	(80°-90°)	514.0	1.4			G4/750
BL	(0°-30°)	1028.3	2.8	B3/2500		
BM	(30°-60°)	1119.5	3.1	B2/2500		
BH	(60°-80°)	806.8	2.2	B2/1000		G2/1000
BVH	(80°-90°)	16.3	0.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8
2.5°	10407.6	10403.5	10358.1	10337.4	10300.3	10221.9	10100.2	10036.3	9933.1	9753.6	9512.3
5°	10312.7	10362.2	10389.0	10391.1	10417.9	10389.0	10279.7	10226.0	10083.7	9794.9	9361.7
7.5°	9669.0	9687.6	9763.9	9830.0	9957.9	10079.6	10118.8	10096.1	10011.5	9702.1	9126.5
10°	8980.0	8998.6	9089.4	9176.0	9349.3	9537.0	9735.1	9776.3	9811.4	9570.0	8899.6
12.5°	8385.9	8404.5	8497.3	8610.8	8812.9	9044.0	9351.4	9419.4	9574.2	9444.2	8718.0
15°	7874.3	7882.5	7973.3	8113.6	8354.9	8652.0	9000.7	9110.0	9347.2	9355.5	8559.2
17.5°	7439.0	7459.6	7515.3	7649.4	7913.5	8280.7	8687.1	8843.9	9122.4	9281.2	8404.5
20°	7172.9	7193.5	7191.4	7265.7	7503.0	7894.9	8373.5	8561.2	8899.6	9204.9	8266.2
22.5°	7121.3	7121.3	7067.7	7057.4	7197.6	7525.6	8047.6	8276.6	8699.5	9171.9	8169.3
25°	7304.9	7296.7	7162.6	7053.2	7059.4	7255.4	7731.9	8004.2	8530.3	9194.6	8117.7
27.5°	7692.7	7682.4	7513.3	7304.9	7137.8	7135.7	7492.6	7785.6	8396.2	9301.8	8138.3
30°	8229.1	8225.0	8041.4	7779.4	7476.1	7197.6	7410.1	7676.2	8309.6	9495.8	8185.8
32.5°	8815.0	8808.8	8670.6	8394.1	8010.4	7476.1	7496.8	7719.6	8334.3	9753.6	8301.3
35°	9435.9	9425.6	9365.8	9124.4	8701.5	7989.8	7781.4	7954.7	8491.1	10139.4	8528.2
37.5°	10108.5	10118.8	10162.1	9931.0	9487.5	8709.8	8258.0	8375.6	8806.7	10663.4	8897.5
40°	11100.7	11098.7	11113.1	10809.9	10382.8	9590.7	8924.3	8961.5	9334.9	11358.6	9458.6
42.5°	12901.7	12775.9	12394.2	11775.3	11346.2	10597.4	9763.9	9724.7	9980.6	12218.9	10244.6
45°	15321.5	15053.3	14063.1	12876.9	12328.2	11732.0	10797.5	10671.6	10834.6	13252.4	11214.2
47.5°	17403.0	17124.6	15723.8	14023.9	13370.0	12808.9	12008.4	11781.5	11835.1	14409.7	12443.7
50°	18110.6	17974.5	16751.2	15022.4	14378.8	14164.2	13413.3	13136.9	13060.5	15748.6	13869.2
52.5°	17865.1	17854.8	17040.0	15670.2	15303.0	15567.0	15181.3	14861.5	14580.9	17159.6	15319.5
55°	17471.1	17522.7	17157.6	16237.5	16225.1	16848.1	17599.0	17332.9	16520.1	18692.4	16569.6
57.5°	16384.0	16604.7	17091.5	17310.2	17817.7	18455.2	19612.5	19769.3	18807.9	19866.2	17607.3
60°	13293.7	13778.4	15371.0	17464.9	19870.3	21458.8	22042.6	22176.7	20685.2	20842.0	19008.0
62.5°	9435.9	9931.0	11950.7	15492.8	19901.3	25405.2	25663.1	25137.0	22752.3	22288.1	21423.7
65°	5008.8	5390.5	7040.8	11183.3	17254.5	26321.2	31994.3	30426.5	26399.6	25132.9	24545.0
67.5°	2562.2	2677.7	3333.7	5473.0	11862.0	23379.4	37669.5	38773.2	32685.4	27955.0	24394.4
69°	2267.2	2335.3	2770.5	3956.7	7595.8	19802.3	37945.9	41638.6	35975.8	27719.9	22168.5
70°	2195.0	2254.8	2650.9	3581.3	5937.2	16606.7	36887.6	41386.9	36817.5	26824.5	20505.7
72.5°	1862.8	1914.4	2360.0	3164.6	4825.2	8243.5	29964.4	35070.2	33038.1	22345.9	14842.9
75°	1246.0	1415.2	2265.1	2966.5	4489.0	4682.9	19754.8	25343.3	23542.4	15071.9	7731.9
77.5°	299.1	321.8	639.5	2360.0	4105.3	4121.8	10160.0	15754.8	12850.1	5371.9	1827.8
80°	160.9	154.7	179.5	468.3	3822.6	3868.0	4573.6	7647.4	4588.0	891.2	602.4
82.5°	113.5	107.3	115.5	196.0	1202.7	3523.5	3309.0	3461.6	1902.0	342.4	270.2
85°	41.3	39.2	64.0	177.4	377.5	2025.8	3399.7	2855.1	1541.0	156.8	198.0
87.5°	14.4	12.4	24.8	97.0	115.5	862.3	2098.0	2157.8	606.5	94.9	92.8
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°	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8	9495.8
2.5°	9411.2	9283.3	9048.1	8806.7	8583.9	8315.8	8181.7	8049.6	7993.9	7973.3	7876.3
5°	9138.9	8922.3	8423.0	7921.7	7459.6	6968.6	6644.8	6384.8	6232.2	6157.9	6040.3
7.5°	8790.2	8435.4	7678.3	6904.7	6184.7	5475.1	4949.0	4544.7	4266.2	4132.1	4010.4
10°	8451.9	7979.5	6902.6	5848.5	4870.6	3929.9	3203.8	2677.7	2341.4	2186.7	2087.7
12.5°	8148.7	7536.0	6153.8	4819.1	3591.6	2490.0	1751.4	1332.7	1124.3	1052.1	1017.0
15°	7878.4	7127.5	5446.2	3841.2	2432.2	1423.4	957.2	814.9	781.9	781.9	777.7
17.5°	7622.6	6727.3	4763.4	2923.2	1526.6	870.6	728.2	709.7	709.7	717.9	717.9
20°	7377.1	6345.6	4103.2	2098.0	961.3	691.1	658.1	654.0	658.1	668.4	668.4
22.5°	7166.7	5999.1	3486.4	1439.9	713.8	623.0	606.5	600.3	602.4	608.6	612.7
25°	7009.9	5706.1	2904.6	975.8	614.8	567.3	548.7	538.4	530.2	530.2	534.3
27.5°	6910.9	5458.6	2341.4	709.7	552.9	515.7	486.9	470.4	451.8	441.5	445.6
30°	6838.7	5223.4	1813.3	579.7	495.1	458.0	420.8	394.0	367.2	354.8	359.0
32.5°	6811.9	5033.6	1355.4	511.6	443.5	402.3	356.9	321.8	292.9	282.6	284.7
35°	6884.1	4883.0	992.3	462.1	402.3	350.7	299.1	259.9	237.2	231.1	233.1
37.5°	7073.9	4802.5	742.7	420.8	365.1	307.4	249.6	212.5	198.0	198.0	200.1
40°	7432.8	4800.5	596.2	392.0	332.1	266.1	206.3	179.5	171.2	175.4	177.4
42.5°	7956.8	4909.8	519.9	365.1	303.3	226.9	171.2	152.7	150.6	154.7	156.8
45°	8672.6	5109.9	478.6	342.4	272.3	189.8	144.4	132.0	132.0	138.2	140.3
47.5°	9549.4	5402.9	443.5	319.8	241.4	158.8	123.8	115.5	117.6	123.8	125.8
50°	10605.6	5772.1	408.5	295.0	218.7	132.0	107.3	101.1	103.1	111.4	113.5
52.5°	11808.3	6269.3	379.6	272.3	189.8	109.3	90.8	86.6	90.8	99.0	101.1
55°	12839.8	6714.9	344.5	253.7	152.7	90.8	74.3	74.3	78.4	88.7	90.8
57.5°	13832.1	7181.1	313.6	218.7	119.7	72.2	61.9	64.0	70.1	80.5	82.5
60°	15288.5	7971.2	276.4	183.6	90.8	57.8	51.6	53.6	61.9	72.2	74.3
62.5°	17762.0	9173.9	239.3	152.7	70.1	45.4	41.3	45.4	55.7	68.1	70.1
65°	19994.1	9662.9	196.0	127.9	53.6	35.1	35.1	41.3	53.6	66.0	68.1
67.5°	18750.2	8134.2	152.7	101.1	41.3	26.8	28.9	39.2	51.6	66.0	68.1
69°	16582.0	6651.0	130.0	80.5	35.1	24.8	26.8	39.2	51.6	64.0	66.0
70°	14892.4	5615.4	115.5	68.1	30.9	24.8	26.8	37.1	51.6	64.0	66.0
72.5°	9974.4	3032.5	92.8	49.5	28.9	22.7	22.7	37.1	49.5	61.9	64.0
75°	4286.8	837.6	74.3	35.1	24.8	20.6	20.6	35.1	47.4	59.8	64.0
77.5°	783.9	212.5	59.8	30.9	24.8	20.6	18.6	33.0	45.4	57.8	59.8
80°	311.5	105.2	47.4	26.8	22.7	18.6	16.5	30.9	43.3	55.7	57.8
82.5°	187.7	59.8	39.2	24.8	22.7	16.5	14.4	26.8	41.3	53.6	55.7
85°	152.7	41.3	30.9	24.8	20.6	16.5	12.4	24.8	37.1	51.6	53.6
87.5°	74.3	28.9	28.9	22.7	20.6	16.5	12.4	22.7	35.1	49.5	51.6
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)