

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: P321654

Luminaire Tested: **GAN-SA0C-750-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-750-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53843 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

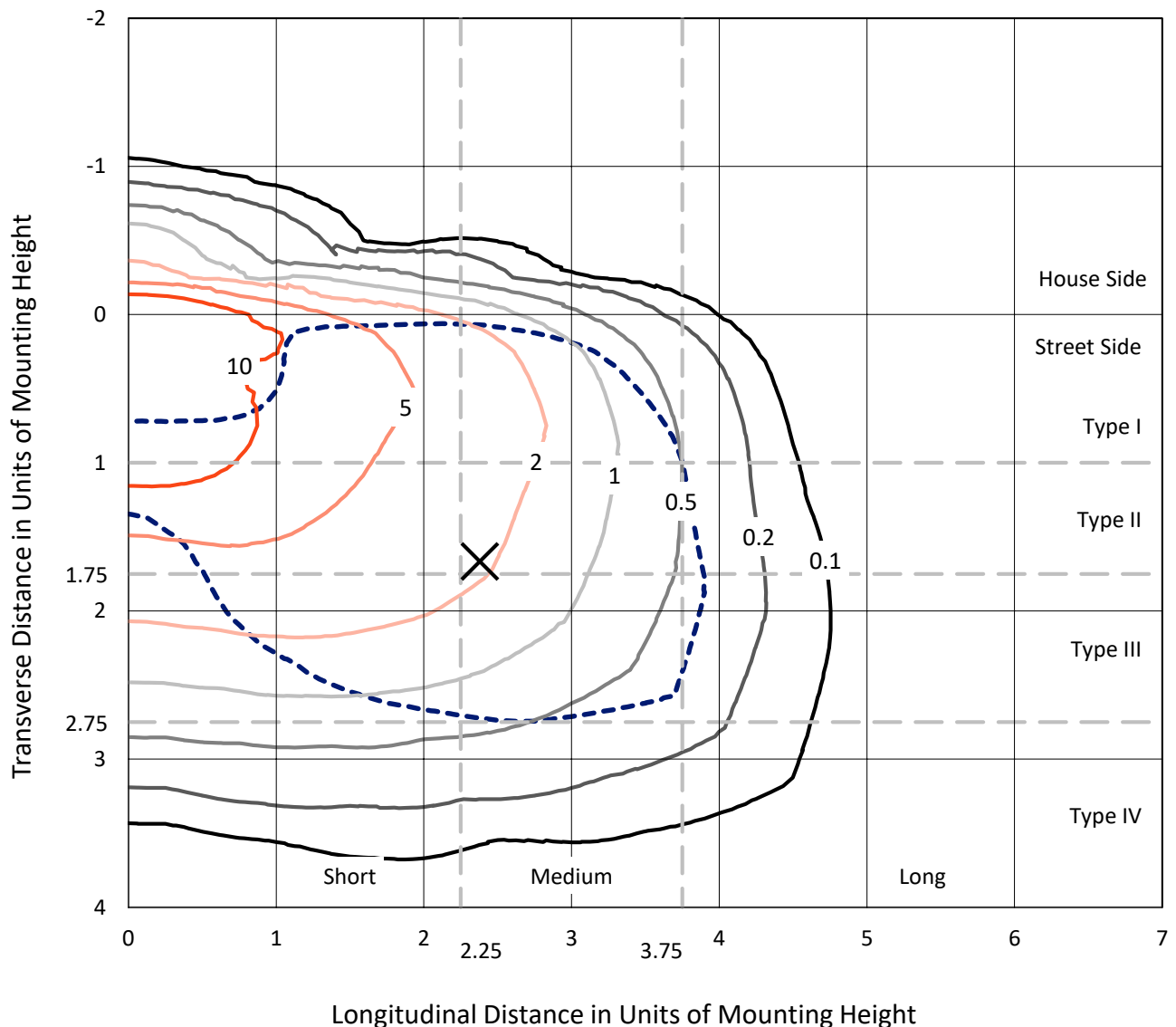
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321654
 CATALOG NUMBER: GAN-SA0C-750-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

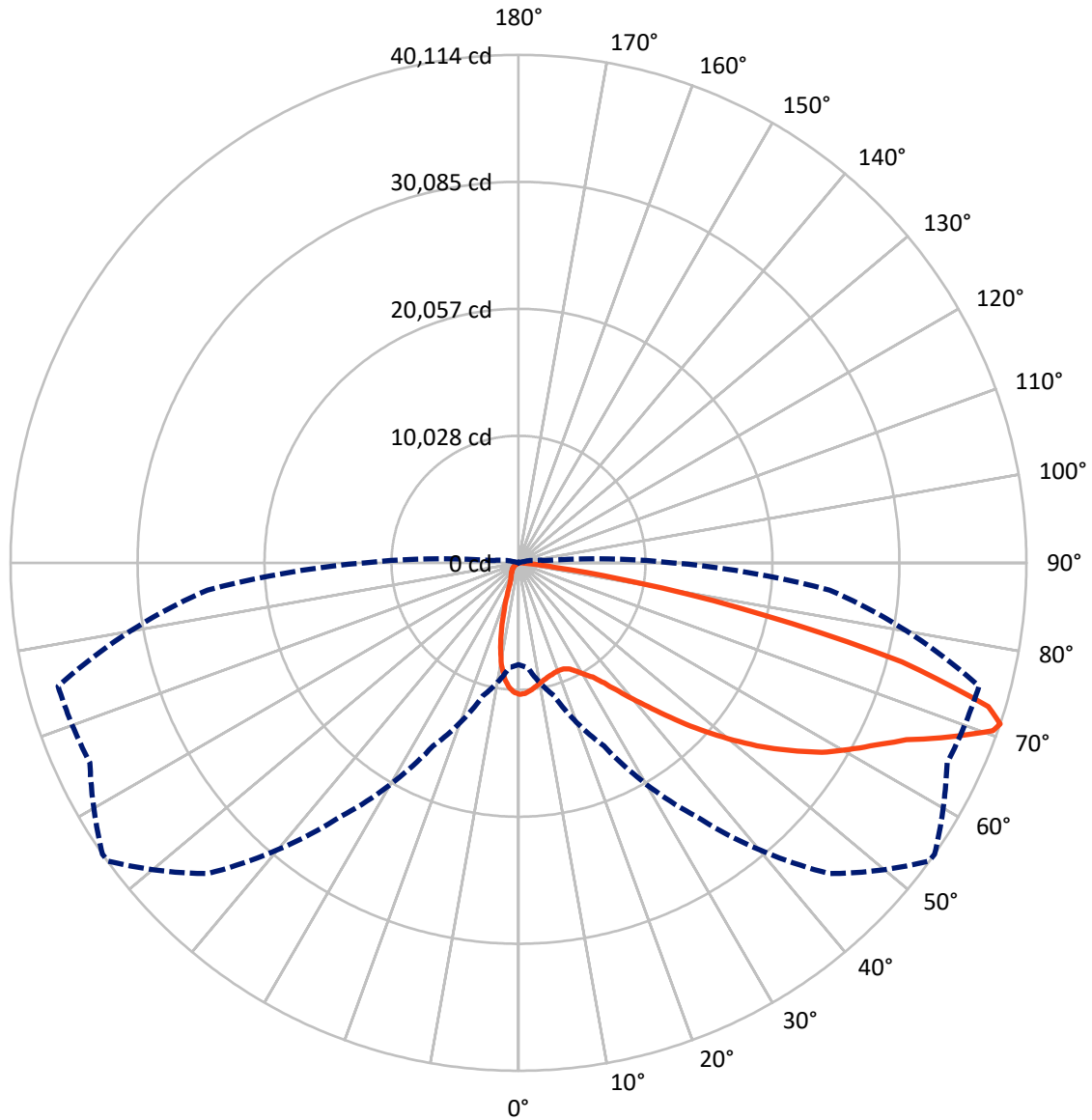
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type III - Medium - N/A

REPORT NUMBER: P321654
CATALOG NUMBER: GAN-SA0C-750-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P321654
 CATALOG NUMBER: GAN-SAOC-750-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4262.9	0.0	4262.9
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	49580.1	0.0	49580.1
	% Fixture	92.1	0.0	92.1
Total	Lumens	53843.0	0.0	53843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.4	1.6
10°-20°	1998.8	3.7
20°-30°	3212.1	6.0
30°-40°	5457.5	10.1
40°-50°	8470.7	15.7
50°-60°	11388.6	21.2
60°-70°	13932.1	25.9
70°-80°	8145.8	15.1
80°-90°	352.1	0.7
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°	53843.0	100.0
0°-180°	53843.0	100.0

Coefficient of Utilization

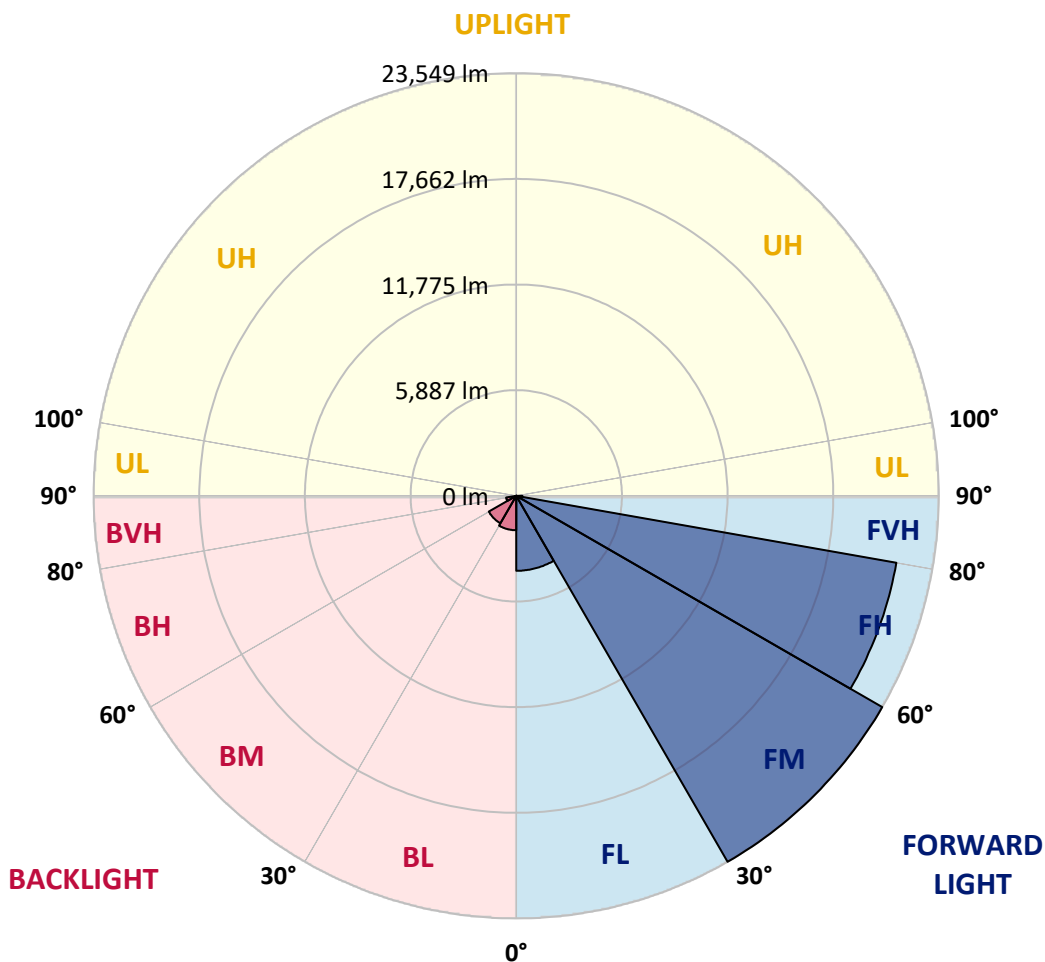


REPORT NUMBER: P321654
 CATALOG NUMBER: GAN-SAOC-750-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4177.5	7.8			
FM (30°-60°)	23549.4	43.7			
FH (60°-80°)	21506.7	39.9			G5
FVH (80°-90°)	346.6	0.6			G3/500
BL (0°-30°)	1918.7	3.6	B3/2500		
BM (30°-60°)	1767.5	3.3	B2/2500		
BH (60°-80°)	571.1	1.1	B2/1000		G2/1000
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





REPORT NUMBER: P321654

CATALOG NUMBER: GAN-SAOC-750-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8
2.5°	10079.2	10091.3	10134.8	10154.1	10200.1	10277.4	10316.1	10318.5	10381.4	10405.6	10424.9
5°	9366.0	9438.5	9511.0	9588.4	9728.6	9914.8	10098.5	10115.5	10318.5	10468.4	10548.2
7.5°	8751.9	8817.2	8904.2	9027.5	9225.8	9518.3	9825.3	9861.6	10246.0	10586.9	10765.8
10°	8120.9	8174.1	8299.8	8481.1	8754.3	9146.0	9559.4	9619.8	10180.7	10746.5	11060.8
12.5°	7446.4	7477.8	7630.1	7891.2	8292.5	8790.6	9334.6	9414.3	10139.6	10930.2	11408.9
15°	6933.8	6948.3	7093.4	7364.2	7823.5	8471.5	9160.5	9257.2	10149.3	11150.2	11788.5
17.5°	6803.3	6810.5	6887.9	7074.1	7480.2	8186.2	9022.7	9141.1	10178.3	11365.4	12170.5
20°	7332.7	7282.0	7202.2	7173.2	7347.2	8014.5	8940.5	9073.4	10217.0	11556.4	12513.8
22.5°	8785.7	8635.9	8304.6	7862.2	7593.8	8026.6	8962.2	9095.2	10340.3	11790.9	12910.3
25°	10942.3	10734.4	10171.1	9300.7	8464.2	8374.7	9143.6	9278.9	10579.6	12071.3	13289.8
27.5°	13396.2	13190.7	12501.7	11259.0	9832.6	9063.8	9559.4	9685.1	10935.0	12320.4	13580.0
30°	15746.2	15688.1	14875.8	13463.9	11554.0	10180.7	10096.1	10202.5	11198.6	12470.2	13809.6
32.5°	17738.3	17646.4	16993.7	15620.5	13524.3	11522.5	10727.1	10758.6	11396.8	12663.7	14109.4
35°	19585.4	19471.8	18898.8	17600.5	15545.5	13161.7	11699.0	11653.1	11829.6	13052.9	14544.6
37.5°	21198.0	21301.9	20666.1	19430.7	17358.7	14866.1	13009.4	12871.6	12506.5	13686.3	15175.6
40°	22547.0	22547.0	22215.8	21185.9	19317.0	16628.6	14491.4	14310.1	13524.3	14663.1	15975.8
42.5°	23033.0	23136.9	23260.2	22677.6	21069.8	18461.2	16142.7	15954.1	14958.0	16048.4	16986.4
45°	23062.0	23226.4	23857.4	23855.0	22653.4	20281.7	18004.3	17914.8	16795.4	17827.8	18238.8
47.5°	22653.4	22858.9	23898.5	24488.4	23908.2	21976.5	20039.9	19928.7	18954.4	20008.5	19549.1
50°	22022.4	22249.7	23458.5	24737.4	24761.6	23451.2	22184.4	22017.6	21330.9	22501.1	20903.0
52.5°	20893.3	21333.4	23064.4	24795.4	25322.5	24725.3	24224.9	24152.3	23990.4	24901.8	21981.3
55°	18478.1	18966.5	22075.6	24814.8	25842.3	25854.4	26137.2	26156.6	26483.0	27145.4	22784.0
57.5°	17337.0	17612.6	20349.4	24906.7	26613.5	27135.7	28085.9	28235.8	28741.0	29275.3	23700.2
60°	16618.9	16945.3	19498.4	24780.9	27824.8	28816.0	29891.9	29942.6	30484.2	31473.0	24940.5
62.5°	16046.0	16367.5	18961.6	24297.4	29185.9	30837.2	31656.7	31661.6	32067.7	34091.3	26350.0
65°	14631.6	14902.4	17876.1	23753.4	30085.3	32836.6	33706.9	33675.5	34006.7	36852.3	27986.7
67.5°	12586.3	12794.2	15659.1	21691.2	29746.8	34654.6	36801.5	36697.5	36296.2	39238.5	28629.8
70°	9731.0	9806.0	12342.1	18076.8	26574.8	35353.3	39792.1	39738.9	37700.9	38810.6	26272.6
71°	8043.5	8290.1	10877.0	15954.1	24449.7	34707.8	40082.3	40113.7	37347.9	37645.3	24650.4
72.5°	4670.9	4881.2	7884.0	12252.7	20758.0	32014.5	38578.5	38805.7	35699.1	34241.2	21055.3
75°	1000.9	1071.0	2922.9	5930.5	11418.6	22438.2	30450.3	31260.2	29096.4	23294.1	12690.3
77.5°	696.3	751.9	1252.3	2690.8	3774.0	11087.4	18915.7	19829.6	17382.9	8754.3	4061.7
80°	551.2	614.1	976.7	1329.7	1020.2	3575.7	8860.7	9419.2	5797.5	1953.5	684.2
82.5°	307.0	365.1	761.6	718.0	391.7	679.4	2480.5	2804.5	1160.5	394.1	162.0
85°	89.5	108.8	490.8	522.2	166.8	130.6	423.1	524.6	220.0	104.0	72.5
87.5°	0.0	0.0	236.9	200.7	48.4	19.3	38.7	43.5	43.5	43.5	48.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P321654
 CATALOG NUMBER: GAN-SAOC-750-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8	10383.8
2.5°	10424.9	10441.8	10381.4	10301.6	10217.0	10113.0	10004.2	9919.6	9917.2	9876.1	9835.0
5°	10553.1	10543.4	10376.6	10122.7	9822.9	9511.0	9213.7	8877.6	8766.4	8628.6	8582.7
7.5°	10790.0	10722.3	10369.3	9813.2	9155.6	8502.9	7828.4	7149.0	6858.9	6597.8	6551.8
10°	11087.4	10959.2	10323.4	9349.1	8142.7	6938.7	5920.8	4997.3	4591.1	4279.2	4264.7
12.5°	11396.8	11201.0	10195.2	8647.9	6815.4	5123.0	3950.4	3041.4	2702.9	2485.3	2504.7
15°	11720.8	11428.2	9919.6	7702.6	5304.3	3476.6	2427.3	1893.0	1757.6	1702.0	1716.5
17.5°	12052.0	11585.4	9535.2	6563.9	3812.6	2243.6	1680.3	1530.4	1530.4	1542.5	1547.3
20°	12339.7	11670.0	8969.5	5287.4	2584.5	1634.3	1469.9	1448.2	1460.3	1479.6	1482.0
22.5°	12625.0	11674.8	8232.1	3994.0	1808.4	1431.3	1399.8	1390.1	1397.4	1419.2	1421.6
25°	12857.1	11616.8	7308.6	2840.7	1443.3	1349.0	1334.5	1329.7	1334.5	1361.1	1361.1
27.5°	12951.4	11406.5	6181.9	1997.0	1293.4	1257.2	1252.3	1257.2	1264.4	1283.8	1286.2
30°	12961.0	11039.0	4953.8	1445.8	1172.6	1133.9	1143.5	1160.5	1153.2	1148.4	1153.2
32.5°	12985.2	10613.5	3757.0	1189.5	1071.0	1010.6	998.5	998.5	969.5	952.6	942.9
35°	13065.0	10113.0	2724.7	1068.6	967.1	896.9	851.0	797.8	742.2	713.2	706.0
37.5°	13190.7	9588.4	1951.0	988.8	875.2	795.4	708.4	614.1	534.3	512.5	512.5
40°	13420.4	9046.9	1443.3	926.0	802.7	703.5	573.0	449.7	377.2	365.1	365.1
42.5°	13783.0	8476.3	1150.8	870.4	739.8	609.2	437.6	326.4	273.2	265.9	263.5
45°	14160.2	7847.7	1005.7	817.2	672.1	500.5	324.0	241.8	210.3	203.1	203.1
47.5°	14537.3	7178.0	935.6	766.4	606.8	389.2	241.8	191.0	176.5	176.5	178.9
50°	14856.5	6479.3	884.9	710.8	522.2	295.0	191.0	162.0	157.1	166.8	169.2
52.5°	14936.3	5792.7	822.0	640.7	418.3	224.8	157.1	142.6	142.6	142.6	142.6
55°	14887.9	5260.8	739.8	553.6	309.5	178.9	135.4	125.7	123.3	123.3	123.3
57.5°	15052.3	4946.5	592.3	430.3	222.4	145.1	118.5	111.2	106.4	104.0	104.0
60°	15383.5	4741.0	423.1	309.5	166.8	120.9	101.5	94.3	87.0	82.2	82.2
62.5°	15823.5	4562.1	314.3	229.7	128.1	96.7	84.6	77.4	67.7	62.9	62.9
65°	16162.0	4243.0	239.3	171.7	96.7	77.4	65.3	62.9	48.4	43.5	41.1
67.5°	15644.6	3541.9	193.4	125.7	72.5	60.4	50.8	48.4	29.0	24.2	24.2
70°	13418.0	2466.0	154.7	91.9	53.2	48.4	41.1	31.4	21.8	19.3	19.3
71°	12168.0	2059.8	140.2	77.4	45.9	45.9	38.7	26.6	19.3	16.9	16.9
72.5°	10108.2	1462.7	118.5	60.4	41.1	48.4	41.1	24.2	19.3	16.9	14.5
75°	5867.6	611.7	82.2	41.1	31.4	58.0	53.2	21.8	14.5	12.1	12.1
77.5°	1764.9	224.8	45.9	26.6	24.2	50.8	60.4	19.3	7.3	2.4	2.4
80°	321.5	96.7	29.0	16.9	16.9	31.4	45.9	9.7	0.0	0.0	0.0
82.5°	113.6	48.4	16.9	9.7	7.3	14.5	21.8	0.0	0.0	0.0	0.0
85°	65.3	33.8	9.7	4.8	0.0	2.4	4.8	0.0	0.0	0.0	0.0
87.5°	43.5	9.7	0.0	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)