

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: P532662

Luminaire Tested: **GLAN-SA8A-735-U-T2R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-T2R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30229 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

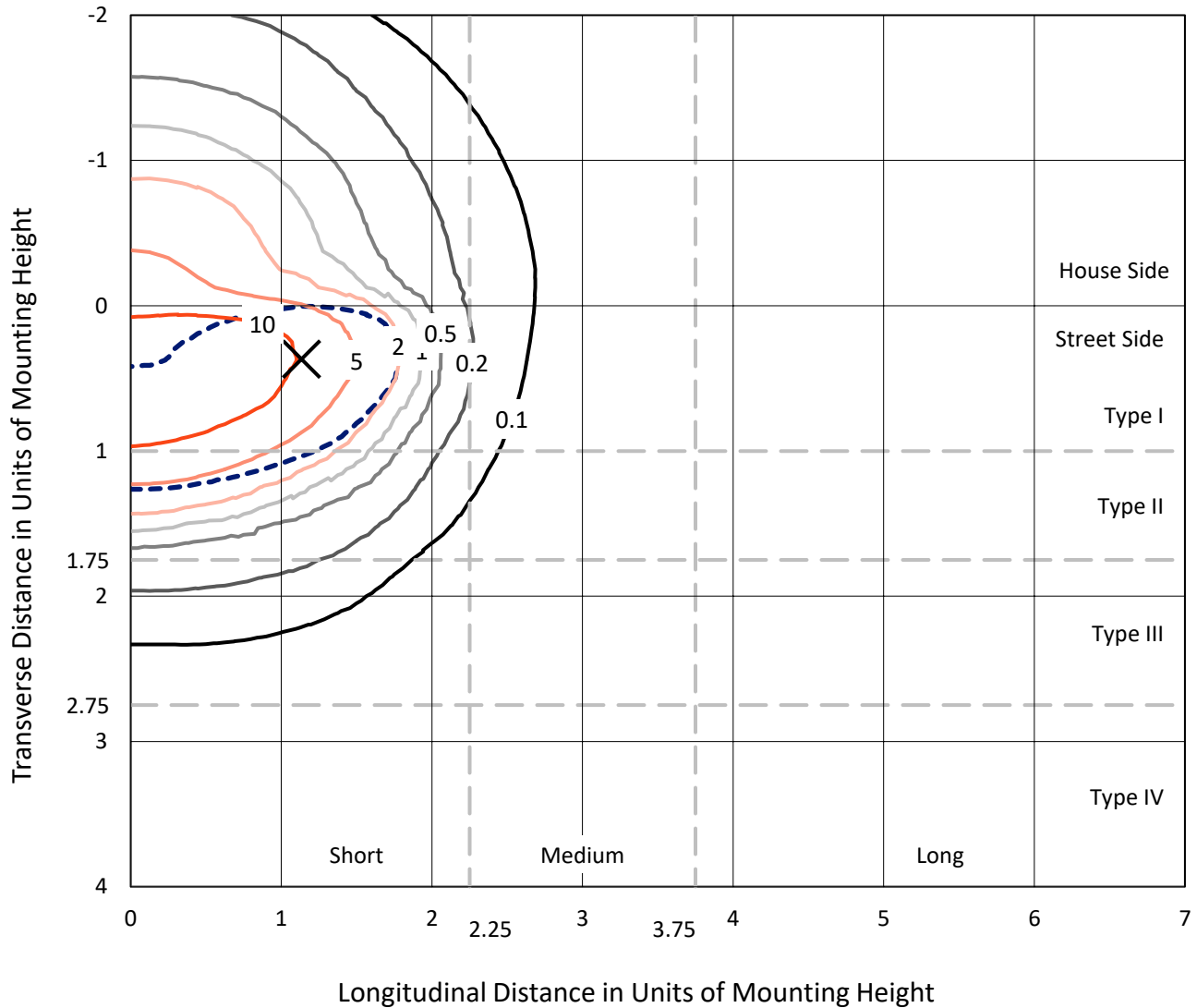
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

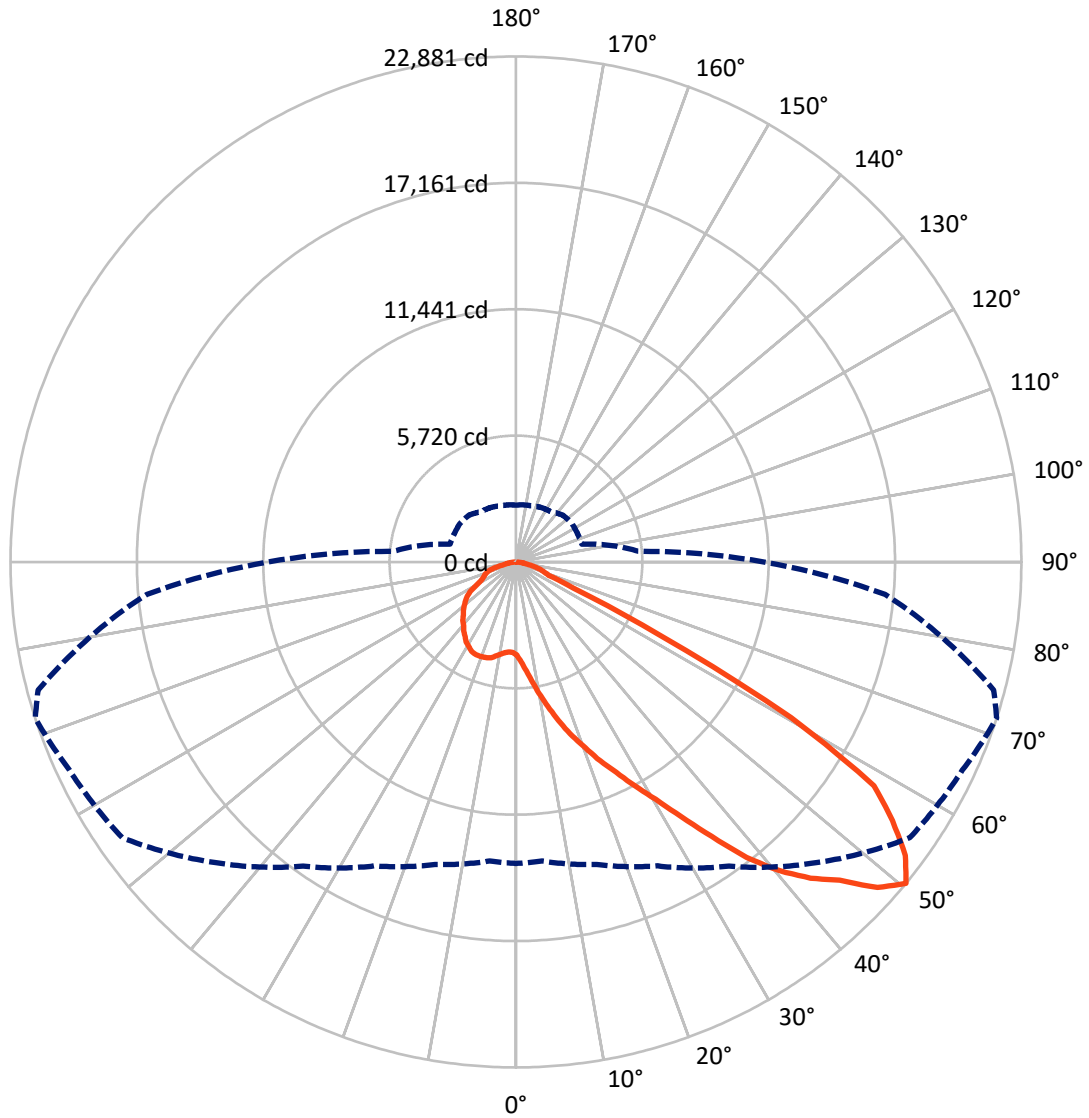
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6925.6	0.0	6925.6
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	23303.4	0.0	23303.4
	% Fixture	77.1	0.0	77.1
Total	Lumens	30229.0	0.0	30229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.0	1.6
10°-20°	1850.4	6.1
20°-30°	3587.8	11.9
30°-40°	5943.8	19.7
40°-50°	8316.6	27.5
50°-60°	7016.2	23.2
60°-70°	2138.5	7.1
70°-80°	750.2	2.5
80°-90°	130.4	0.4
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°	30229.0	100.0
0°-180°	30229.0	100.0

Coefficient of Utilization



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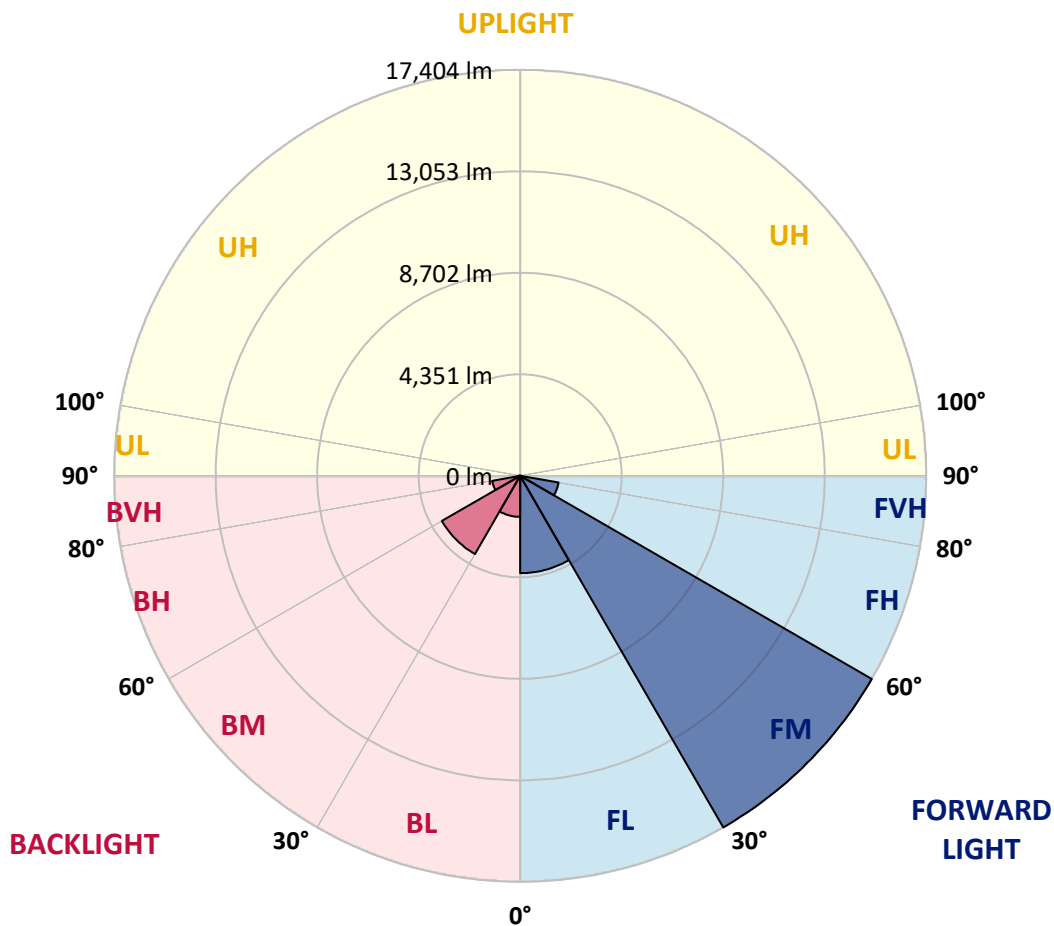
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4172.7	13.8			
FM (30°-60°)	17403.7	57.6			
FH (60°-80°)	1668.6	5.5			G1/1800
FVH (80°-90°)	58.4	0.2			G1/100
BL (0°-30°)	1760.5	5.8	B3/2500		
BM (30°-60°)	3872.9	12.8	B3/5000		
BH (60°-80°)	1220.2	4.0	B3/2500		G3/2500
BVH (80°-90°)	72.0	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1
2.5°	5412.6	5378.9	5277.9	5244.3	5124.6	4907.6	4832.8	4612.1	4518.6	4432.6	4331.6
5°	6845.2	6688.1	6676.9	6486.1	6209.3	6048.5	5569.7	5248.0	4952.5	4802.9	4526.1
7.5°	7757.9	7761.7	7761.7	7604.6	7383.9	6976.2	6546.0	5966.2	5521.1	5300.4	4829.1
10°	8625.7	8550.9	8509.8	8494.8	8345.2	7948.7	7488.6	6770.4	6160.7	5902.6	5057.2
12.5°	9239.2	9175.6	9269.1	9220.5	9112.0	8853.9	8420.0	7600.8	6837.8	6489.9	5423.8
15°	9531.0	9575.8	9650.7	9785.3	9736.7	9639.4	9160.6	8453.7	7567.2	7174.4	5749.2
17.5°	9979.8	9856.4	9946.2	10114.5	10249.1	10204.3	9931.2	9070.9	8289.1	7806.6	6186.9
20°	10294.0	10223.0	10267.8	10462.4	10563.4	10817.7	10675.6	9878.8	8981.1	8472.4	6703.1
22.5°	11191.8	11087.0	10941.1	10971.1	11008.5	11188.0	11221.7	10765.3	9785.3	9246.7	7193.1
25°	12299.0	12201.7	12029.7	11853.8	11745.4	11711.7	11827.7	11461.1	10555.9	9998.5	7720.5
27.5°	13518.4	13353.8	13245.3	12882.5	12590.7	12545.9	12489.7	12291.5	11468.6	10866.3	8315.3
30°	14704.2	14573.2	14427.4	13847.6	13544.6	13496.0	13219.2	13275.3	12459.8	11790.3	8988.6
32.5°	15601.9	15613.1	15280.2	14842.6	14558.3	14300.2	14199.2	14360.0	13731.6	13193.0	9740.4
35°	16327.6	16361.2	16043.3	15646.8	15340.1	15519.6	15474.7	15549.5	15250.3	14591.9	10615.7
37.5°	17034.5	16866.2	16525.8	16335.0	16174.2	16469.7	16851.2	16914.8	16970.9	16196.6	11633.2
40°	17150.5	17165.4	16967.2	17101.9	16899.9	17345.0	18231.5	18149.2	18377.4	17700.3	12736.6
42.5°	16985.9	17019.6	17098.1	17288.9	17775.2	18310.1	19626.7	19290.1	19566.9	18964.7	13810.2
45°	16716.6	16578.2	16675.4	17401.1	18242.7	19432.2	20902.3	20640.4	20550.7	20045.7	15089.4
47.5°	15429.8	15572.0	15875.0	16768.9	18033.3	19626.7	21807.5	21747.6	22017.0	21661.6	16252.8
50°	13645.6	13589.5	14173.0	15179.2	16810.1	19245.2	21758.9	22301.2	22881.0	22387.3	16772.7
52.5°	10219.2	10518.5	11019.7	12269.1	14595.7	17165.4	20696.5	21601.8	22073.1	21968.3	16353.7
55°	6460.0	6549.7	6852.7	8337.7	10432.4	13776.5	17741.5	19840.0	20681.6	21074.3	15968.5
57.5°	3138.3	2970.0	3340.3	4533.6	6026.0	9265.4	13683.0	17281.4	19110.5	19821.2	15130.6
60°	1638.4	1702.0	1847.8	2274.3	3115.9	4810.4	8528.5	11517.2	14311.4	15403.6	11468.6
62.5°	1357.8	1380.3	1477.5	1690.7	2072.3	2768.0	4354.0	5614.6	7297.8	8281.6	6523.5
65°	1152.1	1163.3	1268.1	1410.2	1653.3	1948.8	2240.6	2345.3	2839.1	2913.9	2319.1
67.5°	961.3	972.5	1084.8	1219.4	1376.5	1455.1	1529.9	1522.4	1578.5	1556.1	1552.3
70°	740.6	751.9	867.8	1010.0	1088.5	1043.6	1275.5	1327.9	1350.3	1369.0	1399.0
72.5°	534.9	557.3	647.1	748.1	707.0	811.7	1051.1	1129.7	1159.6	1170.8	1208.2
75°	389.0	396.5	418.9	389.0	448.9	564.8	740.6	837.9	875.3	886.5	942.6
77.5°	172.1	175.8	179.5	224.4	288.0	351.6	441.4	519.9	572.3	587.3	602.2
80°	89.8	93.5	116.0	153.4	205.7	258.1	321.7	366.6	400.2	404.0	418.9
82.5°	56.1	59.8	82.3	108.5	145.9	190.8	235.7	273.1	299.2	303.0	306.7
85°	26.2	33.7	48.6	67.3	97.3	123.4	127.2	108.5	116.0	119.7	112.2
87.5°	7.5	11.2	15.0	11.2	15.0	15.0	18.7	22.4	22.4	22.4	26.2
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°	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1
2.5°	4275.5	4241.8	4110.9	4062.3	3935.1	3957.5	3890.2	3886.4	3871.5	3867.7	3864.0
5°	4380.2	4275.5	4118.4	3998.7	3927.6	3920.1	3871.5	3871.5	3886.4	3897.7	3871.5
7.5°	4552.3	4432.6	4167.0	4054.8	3991.2	3980.0	3946.3	3920.1	3953.8	3942.6	3912.6
10°	4750.5	4541.0	4260.5	4163.2	4058.5	4032.3	4032.3	4043.5	3987.4	4006.1	3976.2
12.5°	4971.2	4690.7	4380.2	4268.0	4144.5	4129.6	4122.1	4039.8	4069.7	4054.8	3980.0
15°	5251.8	4862.7	4533.6	4342.8	4238.1	4170.7	4073.5	4058.5	4039.8	4002.4	3968.7
17.5°	5554.7	5049.8	4604.6	4365.2	4208.1	4159.5	4084.7	4006.1	3950.0	3957.5	3931.3
20°	5812.8	5221.8	4630.8	4387.7	4185.7	4092.2	3976.2	3927.6	3867.7	3864.0	3860.3
22.5°	6119.6	5453.7	4668.2	4327.8	4118.4	4021.1	3942.6	3856.5	3815.4	3763.0	3789.2
25°	6486.1	5543.5	4675.7	4294.2	4069.7	3897.7	3856.5	3763.0	3748.0	3673.2	3688.2
27.5°	6751.7	5592.1	4615.9	4189.4	3957.5	3826.6	3751.8	3684.5	3658.3	3602.2	3587.2
30°	7107.1	5667.0	4488.7	4058.5	3845.3	3699.4	3654.5	3639.6	3564.8	3504.9	3497.4
32.5°	7511.1	5715.6	4406.4	3923.9	3729.3	3617.1	3639.6	3568.5	3475.0	3422.6	3407.7
35°	7832.7	5734.3	4200.7	3770.5	3650.8	3579.7	3553.5	3538.6	3403.9	3355.3	3317.9
37.5°	8322.8	5693.1	4028.6	3662.0	3564.8	3538.6	3516.1	3415.1	3261.8	3190.7	3138.3
40°	8895.1	5681.9	3807.9	3508.6	3482.5	3512.4	3445.1	3288.0	3074.7	2996.2	2958.8
42.5°	9444.9	5760.5	3669.5	3426.4	3392.7	3403.9	3310.4	3074.7	2970.0	2925.1	2865.3
45°	10365.1	5925.1	3441.3	3299.2	3284.2	3276.7	3164.5	2917.6	2857.8	2801.7	2790.5
47.5°	11195.5	5816.6	3295.4	3168.3	3183.2	3142.1	2902.7	2824.1	2756.8	2700.7	2682.0
50°	11244.1	5558.5	3089.7	3067.3	3071.0	2999.9	2771.8	2719.4	2633.4	2596.0	2569.8
52.5°	10989.8	5135.8	2898.9	2906.4	2917.6	2801.7	2610.9	2573.5	2502.4	2450.1	2435.1
55°	10275.3	4477.5	2711.9	2741.8	2771.8	2551.1	2491.2	2397.7	2341.6	2266.8	2270.5
57.5°	9052.2	3605.9	2450.1	2498.7	2562.3	2319.1	2274.3	2158.3	2076.0	2016.2	2008.7
60°	6067.2	2566.0	2057.3	2076.0	2218.2	2120.9	2117.2	2001.2	1889.0	1836.6	1806.7
62.5°	3579.7	1960.1	1776.8	1758.1	1754.3	1810.4	1903.9	1862.8	1716.9	1615.9	1645.8
65°	1874.0	1694.5	1653.3	1589.7	1552.3	1537.4	1608.4	1627.1	1529.9	1421.4	1413.9
67.5°	1574.8	1574.8	1541.1	1518.7	1466.3	1402.7	1357.8	1298.0	1283.0	1253.1	1215.7
70°	1432.6	1470.0	1458.8	1406.5	1361.6	1290.5	1174.5	1077.3	983.8	950.1	972.5
72.5°	1249.3	1286.8	1286.8	1260.6	1200.7	1092.2	980.0	867.8	789.3	729.4	721.9
75°	961.3	980.0	1024.9	995.0	916.4	849.1	733.2	617.2	542.4	486.3	475.1
77.5°	613.5	643.4	643.4	639.6	583.5	519.9	445.1	362.8	306.7	265.6	254.4
80°	407.7	426.4	441.4	426.4	389.0	340.4	284.3	228.2	187.0	153.4	145.9
82.5°	299.2	321.7	332.9	317.9	280.5	243.1	202.0	160.8	119.7	93.5	86.0
85°	116.0	119.7	134.7	160.8	157.1	153.4	123.4	89.8	67.3	48.6	44.9
87.5°	29.9	26.2	29.9	29.9	26.2	22.4	22.4	22.4	22.4	11.2	15.0
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)