

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: P322844

Luminaire Tested: **GAN-SA0B-730-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-730-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37336 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 419
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

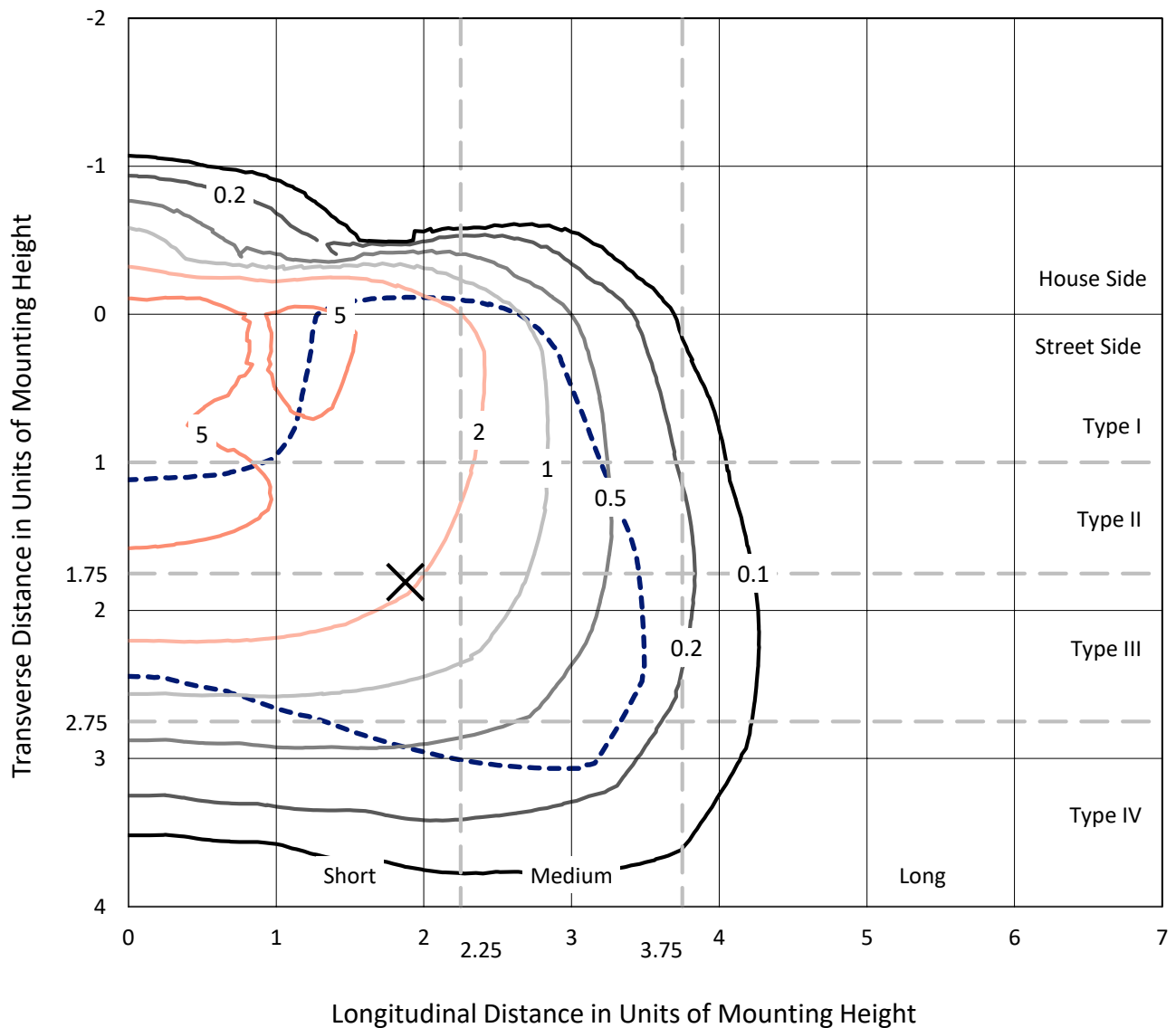




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Iso-Footcandle Lines of Horizontal Illumination

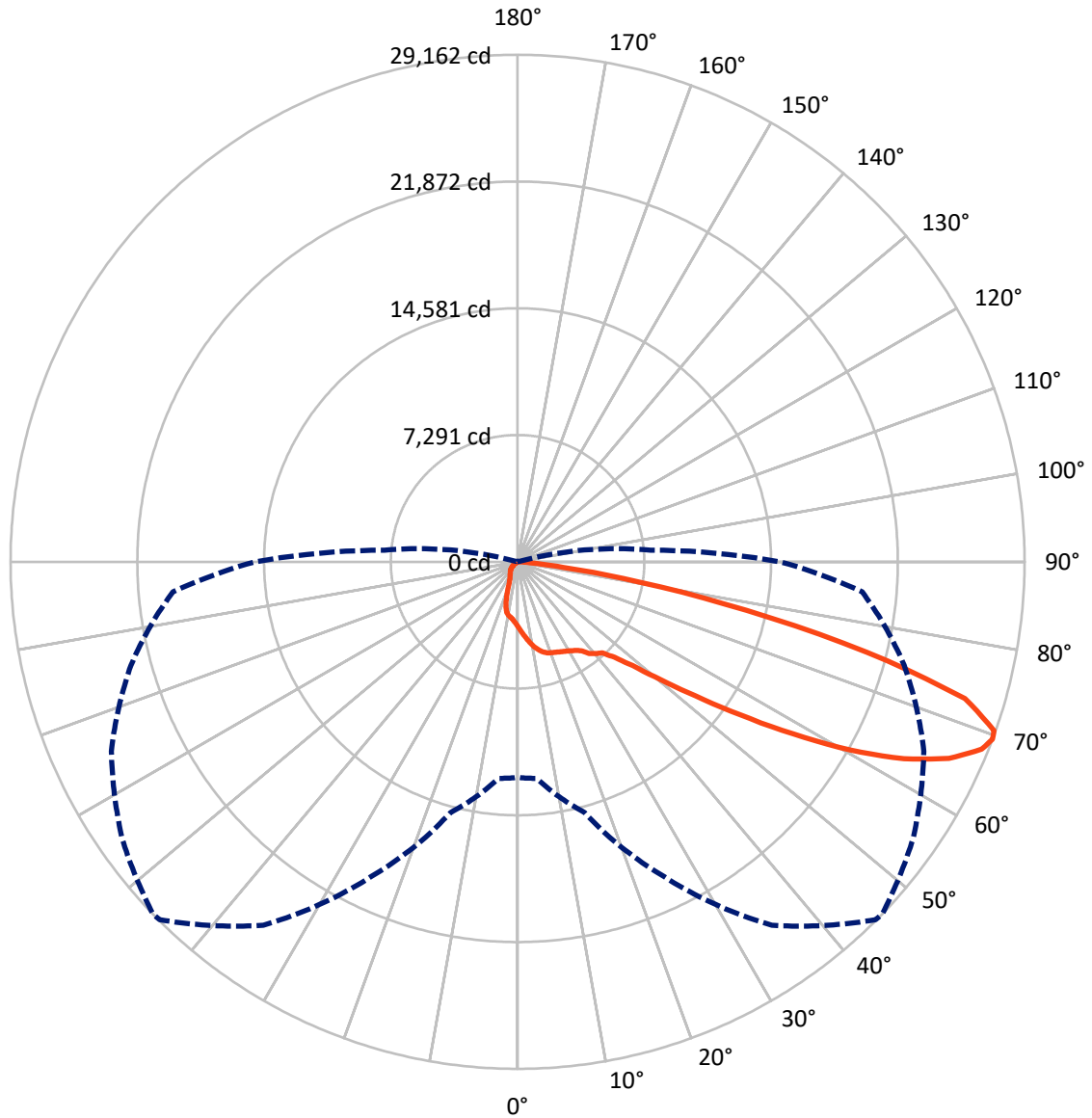
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3831.7	0.0	3831.7
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	33504.3	0.0	33504.3
	% Fixture	89.7	0.0	89.7
Total	Lumens	37336.0	0.0	37336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.4	1.0
10°-20°	1129.6	3.0
20°-30°	1776.5	4.8
30°-40°	2547.5	6.8
40°-50°	4403.1	11.8
50°-60°	8698.8	23.3
60°-70°	12157.3	32.6
70°-80°	5873.3	15.7
80°-90°	377.5	1.0
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°	37336.0	100.0
0°-180°	37336.0	100.0

Coefficient of Utilization

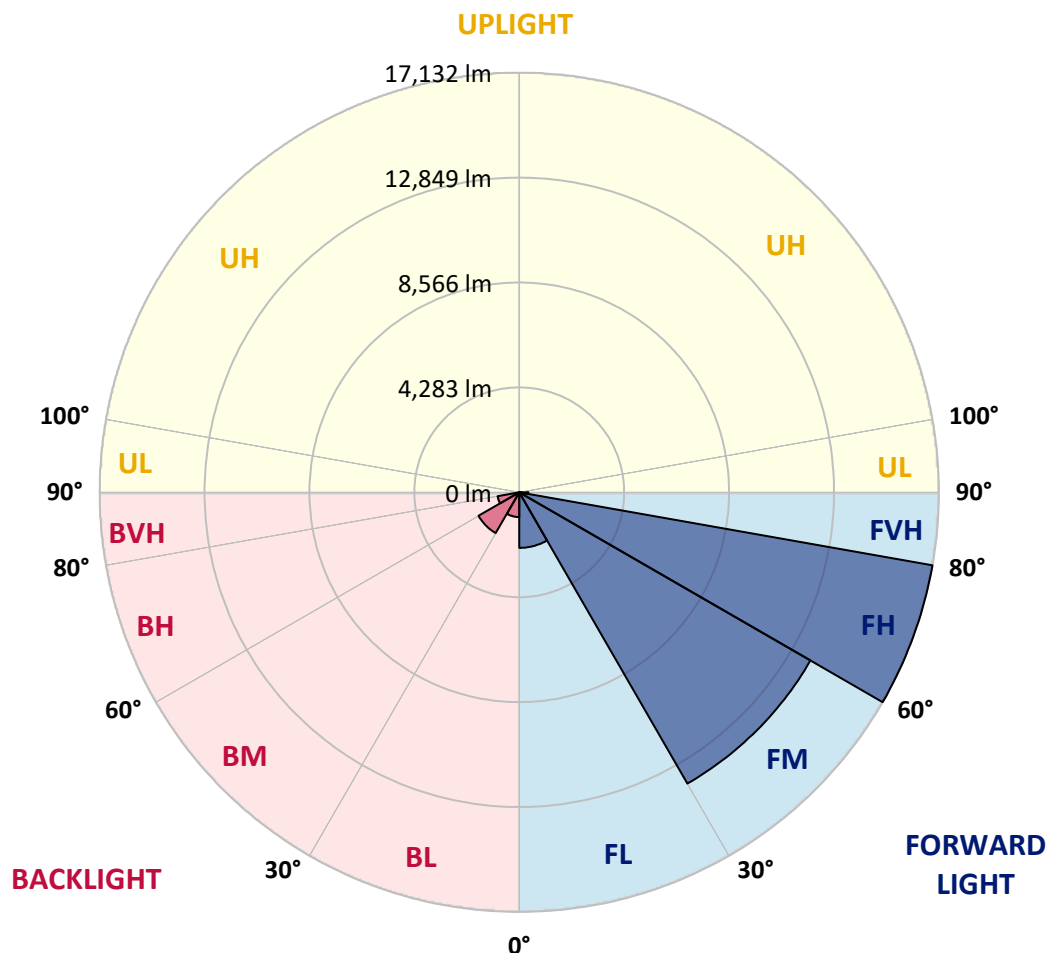


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2268.6	6.1			
FM (30°-60°)	13729.3	36.8			
FH (60°-80°)	17132.1	45.9			G5
FVH (80°-90°)	374.3	1.0			G3/500
BL (0°-30°)	1009.9	2.7	B3/2500		
BM (30°-60°)	1920.1	5.1	B2/2500		
BH (60°-80°)	898.5	2.4	B2/1000		G2/1000
BVH (80°-90°)	3.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9
2.5°	4155.8	4150.6	4126.0	4115.5	4056.0	4021.0	4007.0	3963.2	3900.2	3837.2	3767.2
5°	4628.5	4626.7	4581.2	4537.4	4425.4	4320.4	4301.1	4199.6	4057.8	3924.7	3791.7
7.5°	5111.6	5088.9	5043.3	4959.3	4796.5	4628.5	4612.7	4469.2	4267.8	4075.3	3884.5
10°	5521.2	5507.2	5447.7	5319.9	5129.1	4938.3	4919.0	4742.2	4514.7	4278.3	4035.0
12.5°	5839.8	5829.3	5750.6	5591.3	5388.2	5190.4	5164.1	5006.6	4763.2	4498.9	4211.8
15°	6034.1	6028.9	5932.6	5762.8	5563.3	5391.7	5368.9	5230.6	5004.8	4728.2	4404.4
17.5°	6079.7	6081.4	5981.6	5810.1	5645.5	5523.0	5505.5	5400.5	5211.4	4936.6	4596.9
20°	5978.1	5999.1	5909.9	5761.1	5659.5	5594.8	5580.8	5517.7	5358.4	5099.4	4751.0
22.5°	5834.6	5845.1	5783.8	5684.0	5642.0	5654.3	5647.3	5612.3	5477.5	5239.4	4903.3
25°	5747.1	5747.1	5710.3	5626.3	5654.3	5729.6	5731.3	5724.3	5617.5	5411.0	5088.9
27.5°	5743.6	5733.1	5691.0	5628.0	5705.0	5820.6	5827.6	5874.8	5808.3	5619.3	5319.9
30°	5883.6	5871.3	5782.1	5699.8	5797.8	5922.1	5939.6	6042.9	6009.6	5845.1	5577.3
32.5°	6211.0	6167.2	5969.4	5834.6	5908.1	6056.9	6079.7	6244.2	6296.7	6123.4	5825.8
35°	6659.1	6520.8	6235.5	6090.2	6097.2	6253.0	6274.0	6515.6	6671.4	6379.0	6018.4
37.5°	7277.0	7208.8	6744.9	6356.3	6387.8	6624.1	6685.4	6947.9	6904.2	6519.1	6237.2
40°	8632.0	8525.2	8031.5	7102.0	6666.1	6925.2	6944.4	7084.5	7088.0	6835.9	6692.4
42.5°	10477.0	10433.3	9913.4	8455.2	7214.0	7126.5	7161.5	7397.8	7662.2	7504.6	7497.6
45°	12519.9	12497.2	11945.8	10251.2	8322.1	7786.5	7830.2	8147.1	8653.0	8688.0	8910.3
47.5°	14163.7	14153.2	13836.4	12255.6	10018.4	8905.1	8919.1	9255.2	10144.4	10583.8	10939.2
50°	15662.2	15712.9	15462.6	14424.5	12329.1	10657.4	10624.1	10848.2	12276.6	12996.1	13437.2
52.5°	17745.3	17817.1	17115.1	16448.2	14753.6	12831.5	12805.3	13039.9	14839.4	15378.6	15457.4
55°	19585.2	19462.6	18907.7	18715.1	17710.3	15516.9	15509.9	15716.4	17318.2	17547.5	17692.8
57.5°	20397.4	20350.2	20618.0	21059.1	20807.1	18690.6	18674.9	18517.3	19536.2	19560.7	20007.0
60°	20910.3	20968.1	21789.1	23149.3	23777.7	22106.0	22004.4	21043.4	21654.3	21600.0	22078.0
62.5°	20525.2	20639.0	22116.5	24383.4	26000.9	25087.1	24943.6	23357.6	23464.4	23277.1	23721.7
65°	18480.6	18657.4	21078.4	24150.6	27103.8	27417.1	27271.8	25400.5	24901.6	24593.5	24346.7
67.5°	15005.7	15110.8	17638.6	22125.2	26606.6	28807.1	28777.3	27191.3	25986.9	24371.2	22456.1
69°	12400.9	12504.2	14937.5	19993.0	25512.5	29104.7	29162.4	27765.5	25780.4	23019.7	19896.8
70°	10503.3	10613.6	12880.6	18165.5	24243.4	28966.4	29069.7	27711.2	25188.7	21454.8	17650.8
72.5°	5509.0	5603.5	7930.0	12514.7	19763.7	26597.9	26911.2	25369.0	21351.5	15581.7	10436.8
75°	1731.3	1785.6	3096.7	6541.8	13531.8	20681.0	20752.8	19900.3	15161.5	8570.7	4346.6
77.5°	660.0	644.2	1031.1	2410.5	6841.2	13022.3	13461.7	12435.9	7956.3	3030.2	1003.1
80°	355.4	357.1	535.7	997.8	2926.9	6692.4	7063.5	6027.1	2827.1	945.3	231.1
82.5°	154.0	161.1	301.1	528.7	1344.4	2468.3	2653.8	2209.2	1080.1	635.5	85.8
85°	33.3	36.8	145.3	287.1	547.9	693.2	726.5	716.0	688.0	493.7	33.3
87.5°	0.0	0.0	64.8	103.3	138.3	157.5	138.3	180.3	379.9	332.6	17.5
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°	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9	3740.9
2.5°	3744.4	3712.9	3658.7	3599.1	3557.1	3513.4	3478.3	3462.6	3445.1	3432.8	3448.6
5°	3737.4	3676.2	3571.1	3469.6	3396.1	3336.6	3287.5	3268.3	3249.0	3235.0	3233.3
7.5°	3798.7	3712.9	3551.9	3403.1	3289.3	3208.8	3142.2	3114.2	3091.5	3081.0	3072.2
10°	3916.0	3805.7	3590.4	3396.1	3249.0	3112.5	2968.9	2858.6	2786.9	2753.6	2741.4
12.5°	4068.3	3930.0	3663.9	3432.8	3219.3	2956.7	2652.1	2389.5	2219.7	2163.7	2130.4
15°	4246.8	4075.3	3760.2	3480.1	3110.7	2631.1	2114.7	1771.6	1614.0	1582.5	1547.5
17.5°	4418.4	4229.3	3875.7	3488.8	2872.7	2102.4	1549.2	1316.4	1255.1	1276.2	1281.4
20°	4568.9	4381.6	3989.5	3411.8	2440.3	1577.2	1199.1	1141.4	1164.1	1204.4	1211.4
22.5°	4721.2	4528.7	4094.5	3208.8	1887.1	1197.4	1080.1	1094.1	1116.9	1157.1	1164.1
25°	4906.8	4707.2	4192.6	2835.9	1416.2	1018.8	1025.8	1046.8	1069.6	1106.3	1109.8
27.5°	5120.4	4933.1	4257.3	2351.0	1050.3	936.5	959.3	990.8	1013.6	1048.6	1055.6
30°	5404.0	5230.6	4278.3	1848.6	880.5	863.0	873.5	912.0	945.3	976.8	982.1
32.5°	5670.0	5524.7	4208.3	1395.2	815.8	794.8	794.8	817.5	856.0	885.8	892.8
35°	5915.1	5820.6	3984.3	1020.6	766.7	731.7	714.2	714.2	738.7	763.2	770.2
37.5°	6239.0	6235.5	3621.9	814.0	719.5	679.2	642.5	614.4	605.7	610.9	614.4
40°	6793.9	6799.1	3149.2	730.0	679.2	624.9	568.9	518.2	470.9	455.1	453.4
42.5°	7660.4	7581.6	2653.8	689.7	644.2	568.9	484.9	416.6	343.1	320.4	318.6
45°	9036.3	8568.9	2128.7	653.0	607.4	505.9	400.9	308.1	248.6	231.1	231.1
47.5°	11040.7	9866.1	1649.0	612.7	558.4	434.1	302.8	222.3	182.1	173.3	175.1
50°	13113.4	11137.0	1263.9	561.9	498.9	358.9	224.1	161.1	138.3	138.3	140.0
52.5°	14951.5	12068.3	985.6	507.7	425.4	281.8	169.8	126.0	115.5	113.8	115.5
55°	16672.2	12668.7	754.5	444.6	337.9	210.1	129.5	103.3	96.3	92.8	91.0
57.5°	18331.8	12966.3	565.4	358.9	245.1	152.3	103.3	87.5	80.5	75.3	73.5
60°	19436.4	12724.8	388.6	264.3	169.8	110.3	85.8	75.3	66.5	61.3	59.5
62.5°	20059.6	12064.8	250.3	190.8	120.8	82.3	68.3	63.0	50.8	45.5	45.5
65°	19807.5	10976.0	175.1	136.5	87.5	61.3	50.8	50.8	36.8	29.8	28.0
67.5°	17552.8	9272.7	133.0	101.5	63.0	45.5	38.5	43.8	22.8	14.0	14.0
69°	15102.0	7684.9	113.8	84.0	52.5	36.8	33.3	40.3	15.8	10.5	8.8
70°	13125.6	6629.3	103.3	73.5	43.8	31.5	29.8	38.5	15.8	8.8	7.0
72.5°	7853.0	3697.2	78.8	52.5	28.0	24.5	24.5	43.8	15.8	8.8	7.0
75°	3173.7	1302.4	57.8	36.8	21.0	21.0	29.8	56.0	14.0	7.0	5.3
77.5°	719.5	285.3	33.3	22.8	14.0	21.0	35.0	43.8	8.8	3.5	0.0
80°	175.1	70.0	21.0	14.0	8.8	15.8	26.3	24.5	1.8	0.0	0.0
82.5°	57.8	24.5	8.8	7.0	1.8	5.3	12.3	7.0	0.0	0.0	0.0
85°	24.5	14.0	3.5	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0
87.5°	15.8	5.3	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)