

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: P323164

Luminaire Tested: **GAN-SA0B-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42668 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

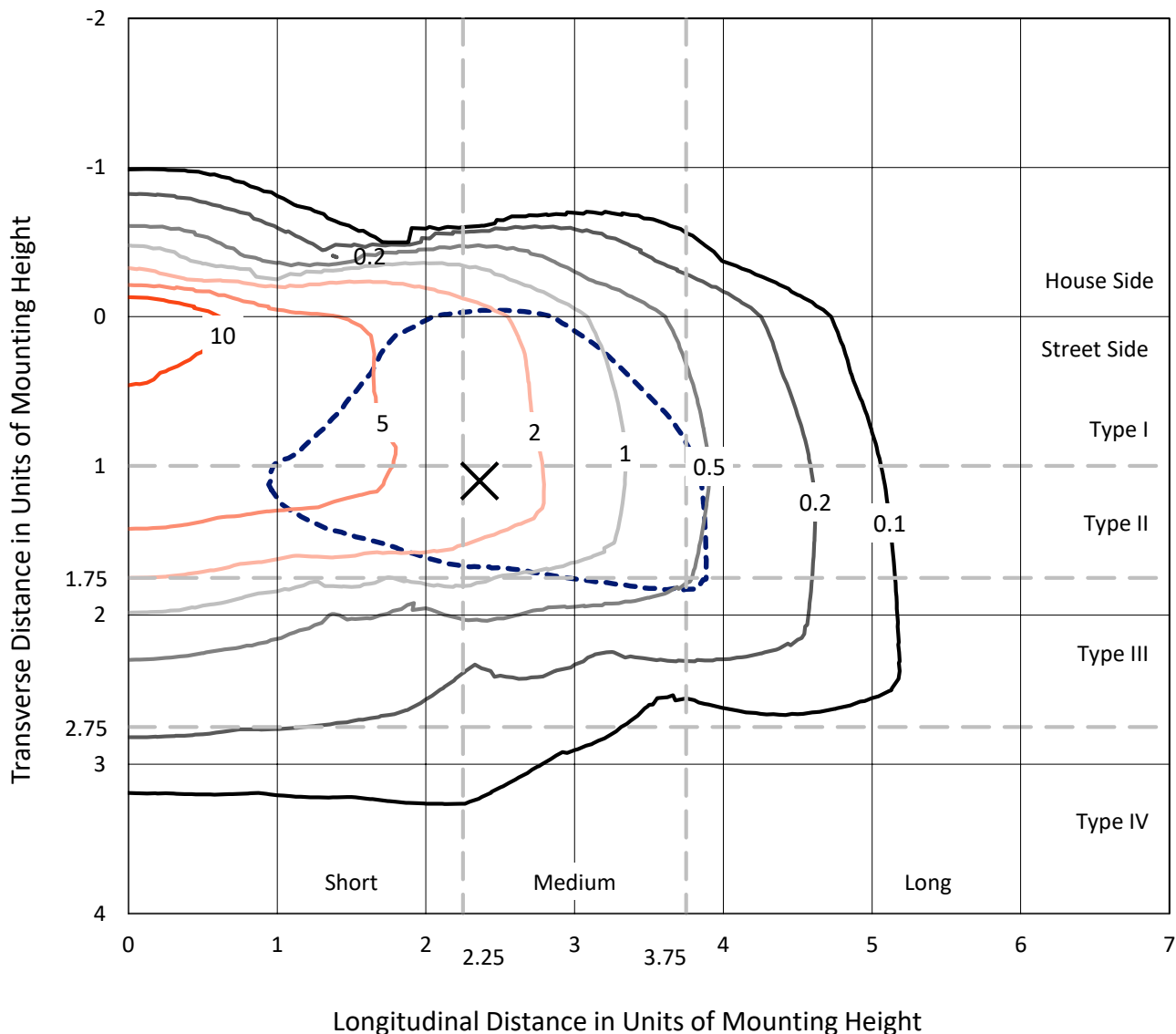
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

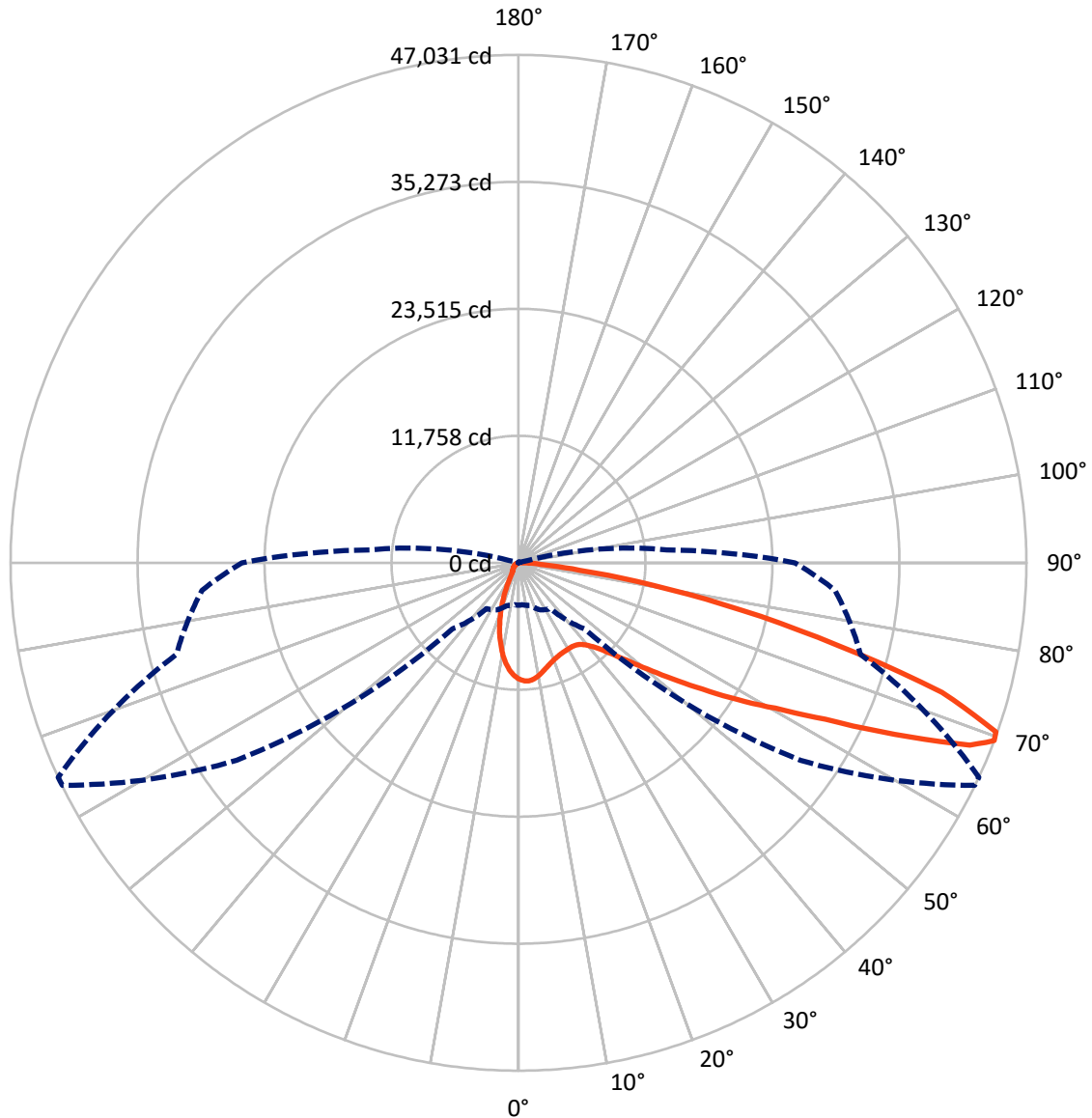
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5029.6	0.0	5029.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	37638.5	0.0	37638.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	42668.0	0.0	42668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.6	2.1
10°-20°	1973.7	4.6
20°-30°	2733.6	6.4
30°-40°	3811.6	8.9
40°-50°	5924.4	13.9
50°-60°	9511.0	22.3
60°-70°	10758.5	25.2
70°-80°	6318.6	14.8
80°-90°	735.0	1.7
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°	42668.0	100.0
0°-180°	42668.0	100.0

Coefficient of Utilization

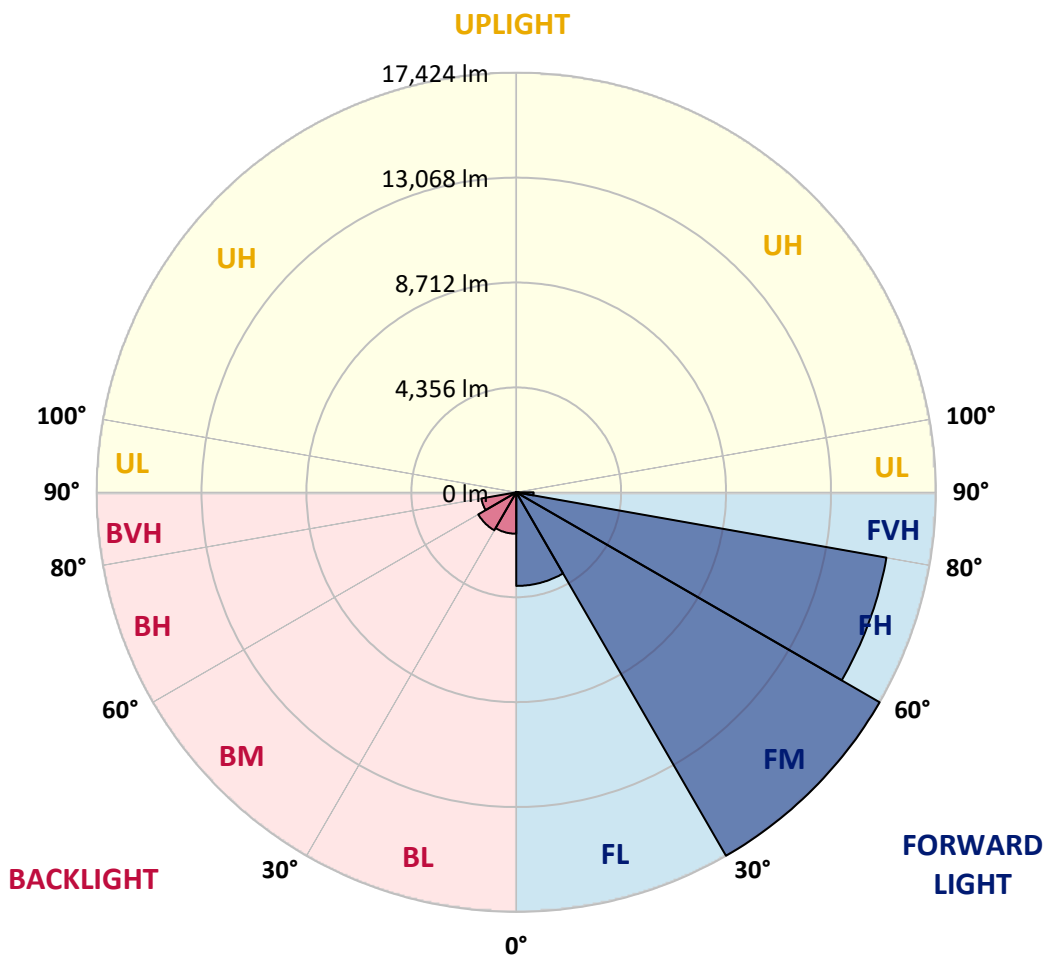


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3888.1	9.1			
FM (30°-60°)	17424.4	40.8			
FH (60°-80°)	15607.5	36.6			G5
FVH (80°-90°)	718.5	1.7			G4/750
BL (0°-30°)	1720.9	4.0	B3/2500		
BM (30°-60°)	1822.6	4.3	B2/2500		
BH (60°-80°)	1469.5	3.4	B3/2500		G3/2500
BVH (80°-90°)	16.5	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3
2.5°	10878.0	10850.9	10872.6	10919.5	10943.0	10943.0	10961.0	10939.4	10946.6	10894.2	10818.4
5°	10197.3	10155.8	10215.4	10347.2	10509.7	10648.7	10854.5	10962.8	10973.7	10975.5	10887.0
7.5°	9464.3	9426.4	9514.8	9670.1	9879.5	10137.7	10497.0	10811.2	10829.2	10998.9	10933.9
10°	8868.5	8841.4	8944.3	9110.4	9356.0	9644.8	10085.4	10522.3	10574.6	10950.2	10926.7
12.5°	8395.4	8373.8	8471.3	8662.7	8913.6	9233.2	9693.6	10200.9	10271.3	10840.1	10890.6
15°	8050.6	8047.0	8128.2	8312.4	8590.4	8888.3	9359.6	9903.0	9984.3	10720.9	10885.2
17.5°	7870.1	7875.5	7935.0	8092.1	8330.4	8626.5	9077.9	9652.1	9740.5	10614.4	10912.3
20°	7852.0	7857.4	7889.9	7978.4	8171.6	8433.4	8848.6	9440.8	9532.9	10534.9	10955.6
22.5°	8010.9	8007.3	8016.3	8007.3	8115.6	8314.2	8697.0	9278.3	9384.8	10482.6	10989.9
25°	8316.0	8310.6	8307.0	8240.2	8168.0	8274.5	8633.8	9186.2	9287.3	10444.7	11009.8
27.5°	8740.3	8736.7	8731.3	8621.1	8404.5	8337.7	8641.0	9151.9	9236.8	10414.0	11006.2
30°	9298.2	9323.5	9316.2	9162.8	8825.1	8530.9	8716.8	9133.9	9207.9	10354.4	10968.2
32.5°	9953.6	10004.1	10043.8	9879.5	9457.1	8913.6	8891.9	9153.7	9207.9	10309.2	10899.6
35°	10634.2	10699.2	10845.5	10787.7	10231.6	9489.6	9193.5	9272.9	9318.0	10334.5	10867.1
37.5°	11304.1	11381.7	11699.5	11867.4	11246.3	10251.5	9662.9	9567.2	9590.7	10488.0	10903.2
40°	12082.2	12199.6	12681.6	12952.5	12457.8	11271.6	10365.2	10072.7	10081.8	10825.6	11071.2
42.5°	13104.1	13225.1	13746.9	14171.1	13822.7	12560.7	11318.5	10845.5	10836.4	11457.5	11466.6
45°	14349.9	14476.3	15016.1	15487.3	15330.3	14088.1	12539.0	11973.9	11963.1	12454.1	12215.8
47.5°	15761.8	15886.3	16368.4	16854.1	17023.8	15871.9	14093.5	13514.0	13488.7	13838.9	13373.1
50°	16973.2	17054.5	17498.6	18152.2	18917.7	18063.7	16027.2	15469.3	15442.2	15678.7	15072.1
52.5°	17413.8	17460.7	17912.1	18827.5	20737.7	21031.9	18567.5	17848.9	17829.0	17931.9	17334.3
55°	16521.9	16606.7	17161.0	18518.7	21723.4	24386.5	21774.0	20795.4	20645.6	20423.5	19699.5
57.5°	14091.7	14227.1	14822.9	16628.4	21263.0	27047.8	26486.3	24128.3	23908.1	22550.3	21622.3
60°	10558.4	10724.5	11219.2	13167.3	18805.8	27995.6	31635.5	27842.2	27345.7	24243.9	23389.9
62.5°	7245.4	7328.4	7664.2	8933.5	13849.8	26442.9	35943.3	32816.3	31909.9	26085.5	25301.9
65°	5533.8	5562.7	5699.9	6136.8	8247.4	21479.7	37656.7	39379.1	38283.2	28288.1	27286.1
67.5°	4459.5	4436.0	4625.6	5250.3	5522.9	13104.1	35658.1	45588.2	45075.4	31232.9	29282.9
69°	3932.3	3899.8	4093.0	4818.8	5187.1	8662.7	31877.4	46998.2	47030.7	32787.4	29420.2
70°	3538.7	3560.4	3751.8	4562.4	5073.4	6799.4	28266.5	46639.0	46895.3	33368.7	28596.9
72.5°	2363.4	2421.1	2805.7	3787.9	4878.4	5145.6	17067.1	40021.9	41007.7	32059.8	24534.6
75°	1332.4	1375.8	1832.6	2856.3	4596.7	4900.1	9014.7	29485.2	30438.5	26809.5	18919.5
77.5°	653.6	677.1	1036.3	1843.4	3843.8	4669.0	5113.1	20028.1	21116.8	17498.6	10701.0
80°	276.2	288.9	518.2	1137.4	2747.9	4455.9	3796.9	12326.0	12461.4	6855.4	2850.8
82.5°	106.5	110.1	218.5	709.6	1745.9	3473.7	3175.8	5844.3	5703.5	1290.9	650.0
85°	12.6	14.4	79.4	426.1	971.3	1787.4	2580.0	2518.6	2330.9	256.4	334.0
87.5°	0.0	0.0	5.4	130.0	288.9	837.7	1341.5	1045.4	942.5	83.1	173.3
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°	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3	10782.3
2.5°	10755.2	10737.1	10639.6	10498.8	10365.2	10199.1	10040.2	9944.5	9868.7	9818.2	9877.7
5°	10784.1	10704.6	10408.5	10029.4	9657.5	9238.6	8848.6	8518.2	8388.2	8243.8	8308.8
7.5°	10775.1	10625.2	10092.6	9417.3	8734.9	8028.9	7360.9	6846.3	6579.1	6317.3	6384.1
10°	10729.9	10477.2	9670.1	8669.9	7648.0	6633.3	5685.4	4965.0	4562.4	4197.7	4250.1
12.5°	10630.6	10278.6	9171.8	7814.1	6447.3	5109.5	3999.1	3076.5	2581.8	2363.4	2390.4
15°	10571.0	10085.4	8644.6	6947.5	5165.5	3558.6	2444.6	1818.1	1592.4	1520.2	1529.2
17.5°	10542.2	9899.4	8099.3	5956.3	3854.7	2265.9	1579.8	1393.8	1345.1	1332.4	1336.0
20°	10513.3	9711.6	7537.8	4975.9	2655.8	1523.8	1298.1	1244.0	1225.9	1209.7	1213.3
22.5°	10464.5	9531.1	6934.8	3982.9	1791.0	1236.7	1169.9	1117.6	1079.7	1059.8	1063.4
25°	10404.9	9341.5	6319.2	2966.4	1307.2	1103.1	1040.0	965.9	920.8	884.7	886.5
27.5°	10309.2	9108.6	5683.6	2159.3	1097.7	987.6	902.7	821.5	745.7	704.1	704.1
30°	10175.6	8845.0	4977.7	1545.5	984.0	873.8	770.9	669.8	588.6	550.7	547.1
32.5°	10027.6	8570.6	4264.5	1171.8	893.7	767.3	650.0	543.4	471.2	440.5	438.7
35°	9901.2	8274.5	3553.2	982.2	803.4	664.4	536.2	446.0	388.2	362.9	361.1
37.5°	9820.0	7978.4	2859.9	877.5	722.2	568.7	449.6	368.3	326.8	306.9	305.1
40°	9807.3	7758.1	2226.1	798.0	646.4	483.9	375.5	312.3	274.4	252.8	251.0
42.5°	9971.6	7631.7	1708.0	731.2	568.7	409.8	319.6	267.2	227.5	205.8	204.0
45°	10403.1	7671.5	1314.4	671.6	491.1	346.7	270.8	222.1	186.0	169.7	166.1
47.5°	11190.3	7945.9	1045.4	612.1	417.1	294.3	231.1	184.2	153.5	137.2	135.4
50°	12591.4	8590.4	873.8	547.1	348.5	251.0	191.4	149.9	124.6	110.1	108.3
52.5°	14451.0	9738.7	780.0	483.9	288.9	213.0	157.1	119.2	97.5	86.7	84.9
55°	16502.0	11128.9	718.6	415.3	236.5	176.9	124.6	93.9	75.8	66.8	63.2
57.5°	18504.3	12333.2	660.8	348.5	196.8	144.4	99.3	74.0	59.6	50.6	48.7
60°	20344.1	13439.9	594.0	279.8	160.7	113.7	77.6	57.8	46.9	37.9	37.9
62.5°	22313.8	14295.7	501.9	218.5	131.8	86.7	63.2	52.4	37.9	32.5	30.7
65°	24401.0	14931.3	393.6	169.7	102.9	65.0	52.4	54.2	30.7	23.5	21.7
67.5°	25942.8	14804.9	290.7	133.6	79.4	50.6	50.6	57.8	27.1	18.1	16.2
69°	25603.4	13777.6	243.7	115.6	68.6	43.3	46.9	57.8	25.3	16.2	14.4
70°	24619.4	12640.1	214.9	102.9	61.4	39.7	45.1	56.0	23.5	16.2	14.4
72.5°	20502.9	9520.3	167.9	77.6	48.7	32.5	37.9	48.7	23.5	16.2	12.6
75°	15422.3	6093.5	128.2	56.0	36.1	25.3	28.9	36.1	23.5	14.4	12.6
77.5°	8391.8	2197.3	92.1	37.9	25.3	19.9	19.9	27.1	21.7	10.8	7.2
80°	2157.5	552.5	57.8	25.3	19.9	14.4	12.6	18.1	12.6	1.8	0.0
82.5°	532.6	124.6	30.7	18.1	14.4	5.4	5.4	9.0	5.4	0.0	0.0
85°	292.5	61.4	19.9	12.6	7.2	0.0	0.0	1.8	0.0	0.0	0.0
87.5°	149.9	18.1	5.4	3.6	1.8	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)