

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: P323220

Luminaire Tested: **GAN-SA6D-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323220
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-SA6D-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA 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: 38438 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

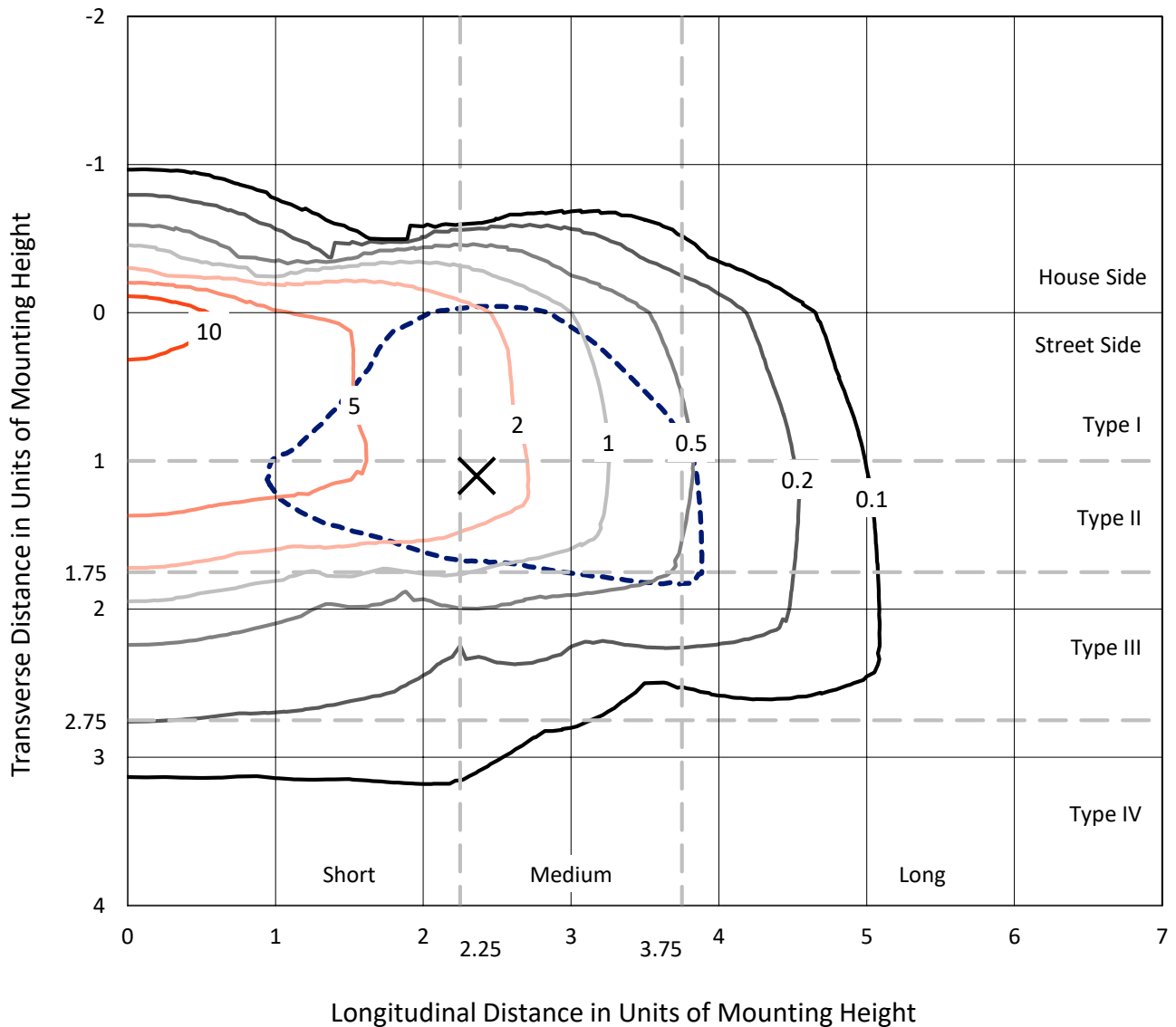
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

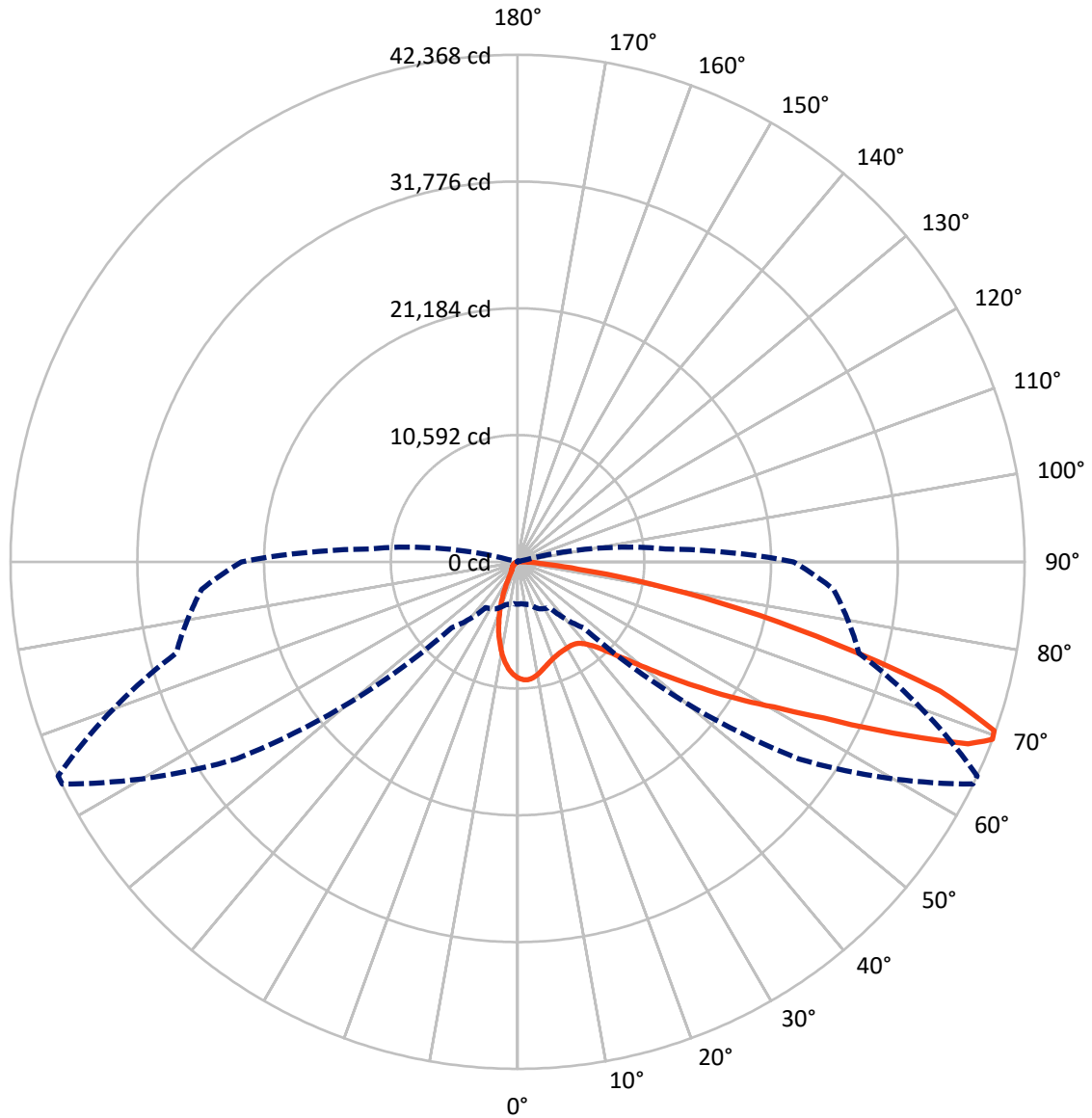
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	4530.9	0.0	4530.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	33907.1	0.0	33907.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	38438.0	0.0	38438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.2	2.1
10°-20°	1778.0	4.6
20°-30°	2462.6	6.4
30°-40°	3433.7	8.9
40°-50°	5337.1	13.9
50°-60°	8568.1	22.3
60°-70°	9691.9	25.2
70°-80°	5692.2	14.8
80°-90°	662.1	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°	38438.0	100.0
0°-180°	38438.0	100.0

Coefficient of Utilization

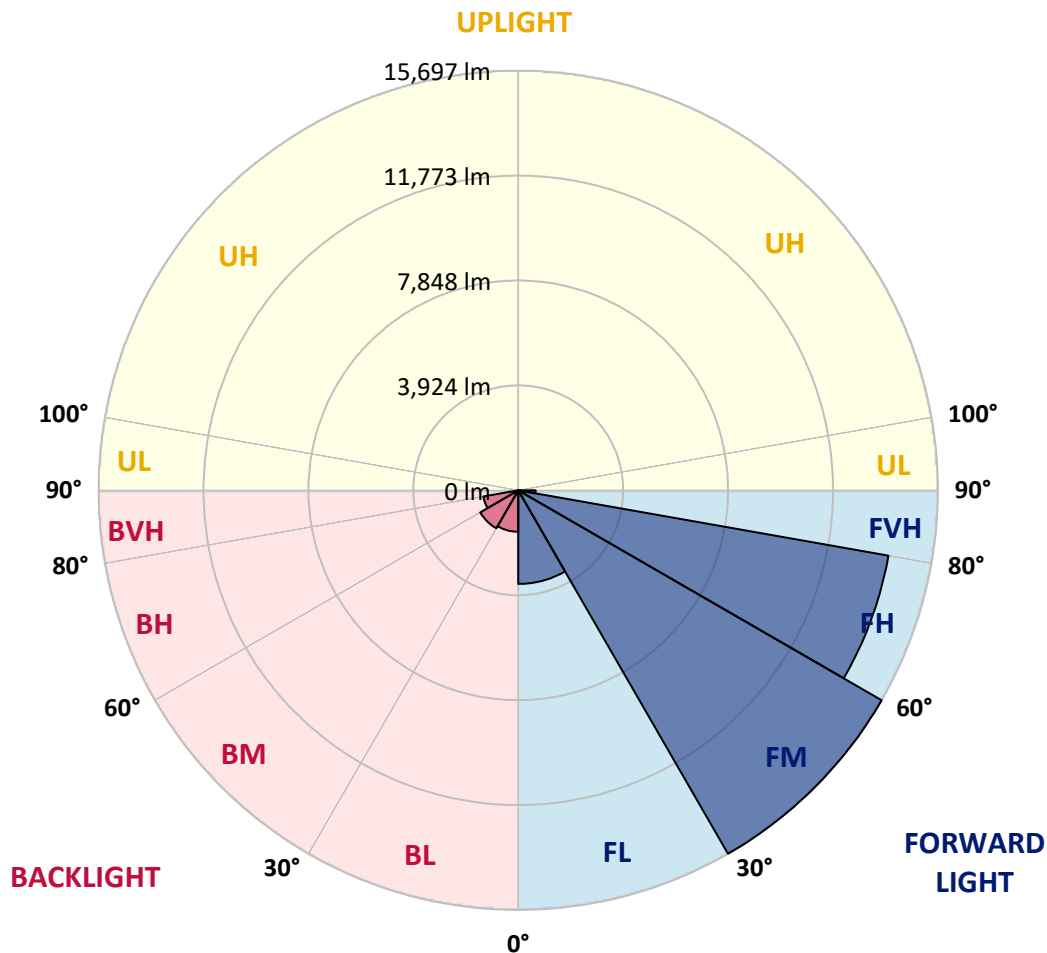


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3502.6	9.1			
FM (30°-60°)	15697.0	40.8			
FH (60°-80°)	14060.2	36.6			G5
FVH (80°-90°)	647.3	1.7			G4/750
BL (0°-30°)	1550.3	4.0	B3/2500		
BM (30°-60°)	1641.9	4.3	B2/2500		
BH (60°-80°)	1323.9	3.4	B3/2500		G3/2500
BVH (80°-90°)	14.9	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°	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3
2.5°	9799.6	9775.2	9794.7	9837.0	9858.1	9858.1	9874.4	9854.9	9861.4	9814.2	9745.9
5°	9186.4	9149.0	9202.6	9321.4	9467.8	9593.0	9778.4	9876.0	9885.8	9887.4	9807.7
7.5°	8526.0	8491.9	8571.6	8711.4	8900.1	9132.7	9456.4	9739.4	9755.6	9908.5	9850.0
10°	7989.3	7964.9	8057.6	8207.2	8428.4	8688.7	9085.5	9479.1	9526.3	9864.6	9843.5
12.5°	7563.1	7543.6	7631.5	7803.9	8029.9	8317.8	8732.6	9189.6	9253.1	9765.4	9810.9
15°	7252.5	7249.2	7322.4	7488.3	7738.8	8007.2	8431.7	8921.3	8994.4	9658.0	9806.1
17.5°	7089.8	7094.7	7148.4	7289.9	7504.6	7771.3	8178.0	8695.2	8774.9	9562.1	9830.5
20°	7073.6	7078.4	7107.7	7187.4	7361.5	7597.3	7971.4	8504.9	8587.8	9490.5	9869.5
22.5°	7216.7	7213.4	7221.6	7213.4	7311.0	7489.9	7834.8	8358.5	8454.5	9443.4	9900.4
25°	7491.6	7486.7	7483.4	7423.3	7358.2	7454.2	7777.8	8275.5	8366.6	9409.2	9918.3
27.5°	7873.8	7870.5	7865.7	7766.5	7571.3	7511.1	7784.3	8244.6	8321.1	9381.5	9915.0
30°	8376.4	8399.2	8392.6	8254.4	7950.2	7685.1	7852.7	8228.4	8295.1	9327.9	9880.9
32.5°	8966.8	9012.3	9048.1	8900.1	8519.5	8029.9	8010.4	8246.3	8295.1	9287.2	9819.1
35°	9580.0	9638.5	9770.3	9718.2	9217.3	8548.8	8282.0	8353.6	8394.3	9310.0	9789.8
37.5°	10183.4	10253.3	10539.6	10690.9	10131.4	9235.2	8704.9	8618.7	8639.9	9448.2	9822.3
40°	10884.4	10990.1	11424.4	11668.4	11222.7	10154.1	9337.6	9074.1	9082.3	9752.4	9973.6
42.5°	11805.0	11914.0	12384.0	12766.3	12452.3	11315.4	10196.4	9770.3	9762.1	10321.7	10329.8
45°	12927.3	13041.1	13527.5	13952.0	13810.5	12691.4	11295.9	10786.8	10777.1	11219.5	11004.8
47.5°	14199.2	14311.4	14745.7	15183.2	15336.1	14298.4	12696.3	12174.2	12151.4	12467.0	12047.4
50°	15290.6	15363.7	15763.9	16352.6	17042.3	16273.0	14438.3	13935.7	13911.3	14124.4	13577.9
52.5°	15687.4	15729.7	16136.3	16961.0	18681.8	18946.9	16726.7	16079.4	16061.5	16154.2	15615.9
55°	14883.9	14960.4	15459.7	16682.8	19569.8	21968.9	19615.4	18733.8	18598.8	18398.8	17746.5
57.5°	12694.7	12816.7	13353.4	14979.9	19155.1	24366.3	23860.5	21736.3	21537.9	20314.8	19478.7
60°	9511.7	9661.3	10107.0	11861.9	16941.4	25220.2	28499.2	25082.0	24634.7	21840.4	21071.1
62.5°	6527.1	6601.9	6904.4	8047.8	12476.7	23821.5	32380.0	29562.9	28746.4	23499.4	22793.5
65°	4985.2	5011.2	5134.8	5528.4	7429.8	19350.3	33923.5	35475.2	34487.9	25483.7	24581.0
67.5°	4017.4	3996.3	4167.0	4729.8	4975.4	11805.0	32123.0	41068.7	40606.7	28136.5	26379.9
69°	3542.5	3513.2	3687.2	4341.1	4672.9	7803.9	28717.2	42339.0	42368.2	29536.9	26503.5
70°	3187.9	3207.4	3379.8	4110.1	4570.4	6125.3	25464.2	42015.3	42246.2	30060.6	25761.8
72.5°	2129.1	2181.1	2527.6	3412.4	4394.8	4635.5	15375.1	36054.2	36942.3	28881.4	22102.3
75°	1200.3	1239.4	1650.9	2573.1	4141.0	4414.3	8121.0	26562.1	27420.9	24151.6	17043.9
77.5°	588.8	609.9	933.6	1660.6	3462.8	4206.1	4606.2	18042.6	19023.3	15763.9	9640.2
80°	248.9	260.2	466.8	1024.7	2475.5	4014.2	3420.5	11104.0	11226.0	6175.8	2568.2
82.5°	96.0	99.2	196.8	639.2	1572.8	3129.4	2861.0	5264.9	5138.1	1162.9	585.5
85°	11.4	13.0	71.6	383.8	875.0	1610.2	2324.2	2268.9	2099.8	231.0	300.9
87.5°	0.0	0.0	4.9	117.1	260.2	754.7	1208.5	941.7	849.0	74.8	156.1
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°	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3	9713.3
2.5°	9689.0	9672.7	9584.9	9458.0	9337.6	9188.0	9044.9	8958.7	8890.4	8844.8	8898.5
5°	9715.0	9643.4	9376.7	9035.1	8700.1	8322.7	7971.4	7673.7	7556.6	7426.5	7485.1
7.5°	9706.8	9571.8	9092.0	8483.7	7868.9	7233.0	6631.2	6167.6	5926.9	5691.1	5751.2
10°	9666.2	9438.5	8711.4	7810.4	6889.8	5975.7	5121.8	4472.8	4110.1	3781.6	3828.7
12.5°	9576.7	9259.6	8262.5	7039.4	5808.2	4602.9	3602.7	2771.5	2325.9	2129.1	2153.5
15°	9523.1	9085.5	7787.6	6258.7	4653.4	3205.8	2202.3	1637.9	1434.6	1369.5	1377.6
17.5°	9497.0	8918.0	7296.4	5365.8	3472.5	2041.2	1423.2	1255.6	1211.7	1200.3	1203.6
20°	9471.0	8748.8	6790.6	4482.6	2392.6	1372.8	1169.4	1120.6	1104.4	1089.7	1093.0
22.5°	9427.1	8586.2	6247.3	3588.0	1613.5	1114.1	1054.0	1006.8	972.6	954.7	958.0
25°	9373.4	8415.4	5692.7	2672.3	1177.6	993.8	936.9	870.2	829.5	797.0	798.6
27.5°	9287.2	8205.6	5120.2	1945.3	988.9	889.7	813.2	740.0	671.7	634.3	634.3
30°	9166.9	7968.1	4484.2	1392.3	886.4	787.2	694.5	603.4	530.2	496.1	492.8
32.5°	9033.5	7720.9	3841.8	1055.6	805.1	691.3	585.5	489.6	424.5	396.9	395.2
35°	8919.6	7454.2	3200.9	884.8	723.8	598.5	483.1	401.7	349.7	326.9	325.3
37.5°	8846.4	7187.4	2576.3	790.5	650.6	512.3	405.0	331.8	294.4	276.5	274.9
40°	8835.0	6989.0	2005.5	718.9	582.3	435.9	338.3	281.4	247.2	227.7	226.1
42.5°	8983.1	6875.1	1538.7	658.7	512.3	369.2	287.9	240.7	204.9	185.4	183.8
45°	9371.8	6910.9	1184.1	605.1	442.4	312.3	244.0	200.1	167.5	152.9	149.6
47.5°	10080.9	7158.1	941.7	551.4	375.7	265.1	208.2	165.9	138.3	123.6	122.0
50°	11343.1	7738.8	787.2	492.8	313.9	226.1	172.4	135.0	112.2	99.2	97.6
52.5°	13018.4	8773.2	702.6	435.9	260.2	191.9	141.5	107.3	87.8	78.1	76.4
55°	14866.0	10025.6	647.3	374.1	213.1	159.4	112.2	84.6	68.3	60.2	56.9
57.5°	16669.8	11110.5	595.3	313.9	177.3	130.1	89.5	66.7	53.7	45.5	43.9
60°	18327.2	12107.5	535.1	252.1	144.8	102.5	69.9	52.0	42.3	34.2	34.2
62.5°	20101.7	12878.5	452.2	196.8	118.7	78.1	56.9	47.2	34.2	29.3	27.7
65°	21981.9	13451.0	354.6	152.9	92.7	58.6	47.2	48.8	27.7	21.1	19.5
67.5°	23370.9	13337.2	261.9	120.4	71.6	45.5	45.5	52.0	24.4	16.3	14.6
69°	23065.1	12411.7	219.6	104.1	61.8	39.0	42.3	52.0	22.8	14.6	13.0
70°	22178.7	11387.0	193.6	92.7	55.3	35.8	40.7	50.4	21.1	14.6	13.0
72.5°	18470.3	8576.4	151.3	69.9	43.9	29.3	34.2	43.9	21.1	14.6	11.4
75°	13893.4	5489.4	115.5	50.4	32.5	22.8	26.0	32.5	21.1	13.0	11.4
77.5°	7559.9	1979.4	83.0	34.2	22.8	17.9	17.9	24.4	19.5	9.8	6.5
80°	1943.6	497.7	52.0	22.8	17.9	13.0	11.4	16.3	11.4	1.6	0.0
82.5°	479.8	112.2	27.7	16.3	13.0	4.9	4.9	8.1	4.9	0.0	0.0
85°	263.5	55.3	17.9	11.4	6.5	0.0	0.0	1.6	0.0	0.0	0.0
87.5°	135.0	16.3	4.9	3.3	1.6	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)