

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: P323814

Luminaire Tested: **GAN-SA0C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51745 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

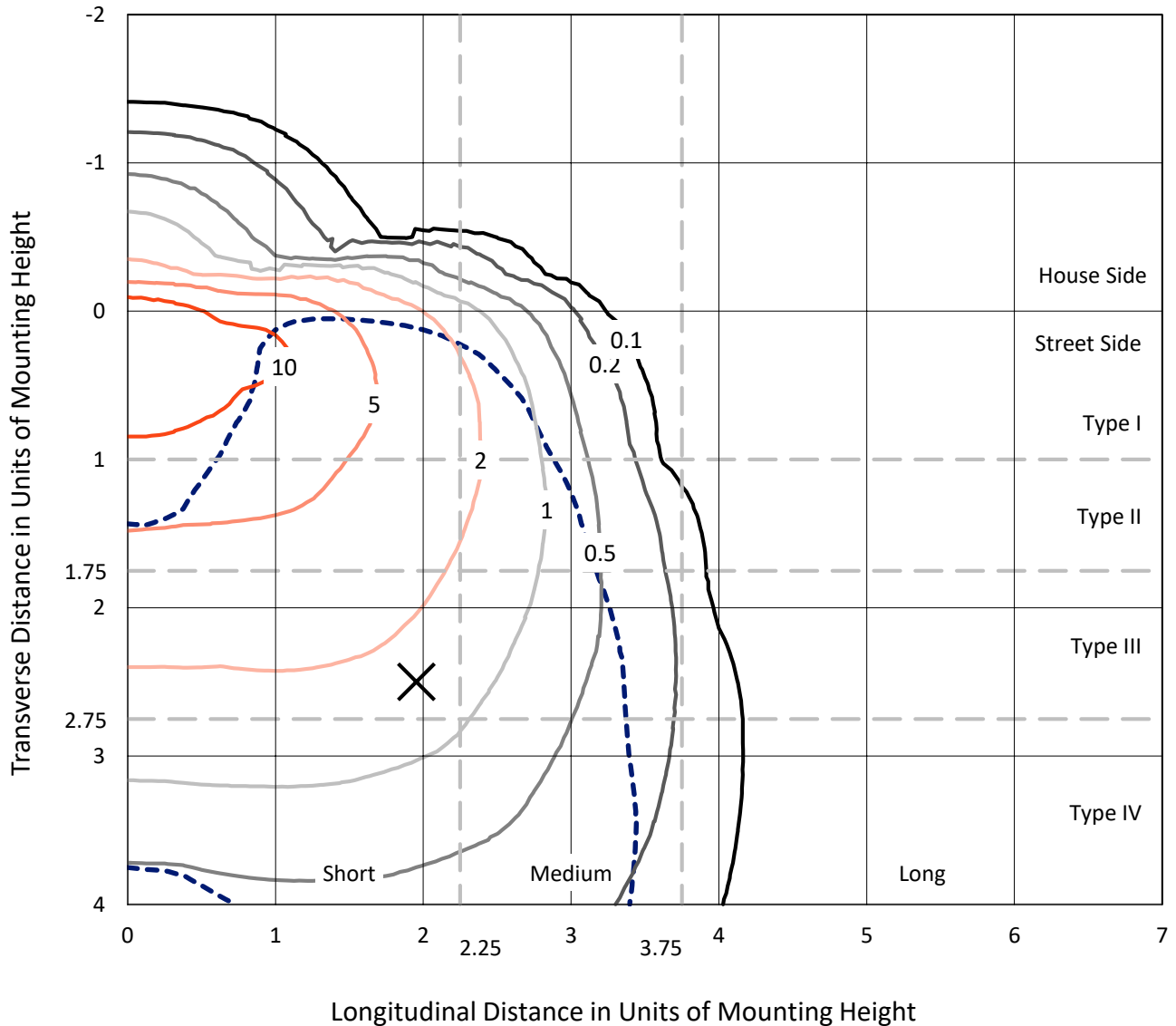
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

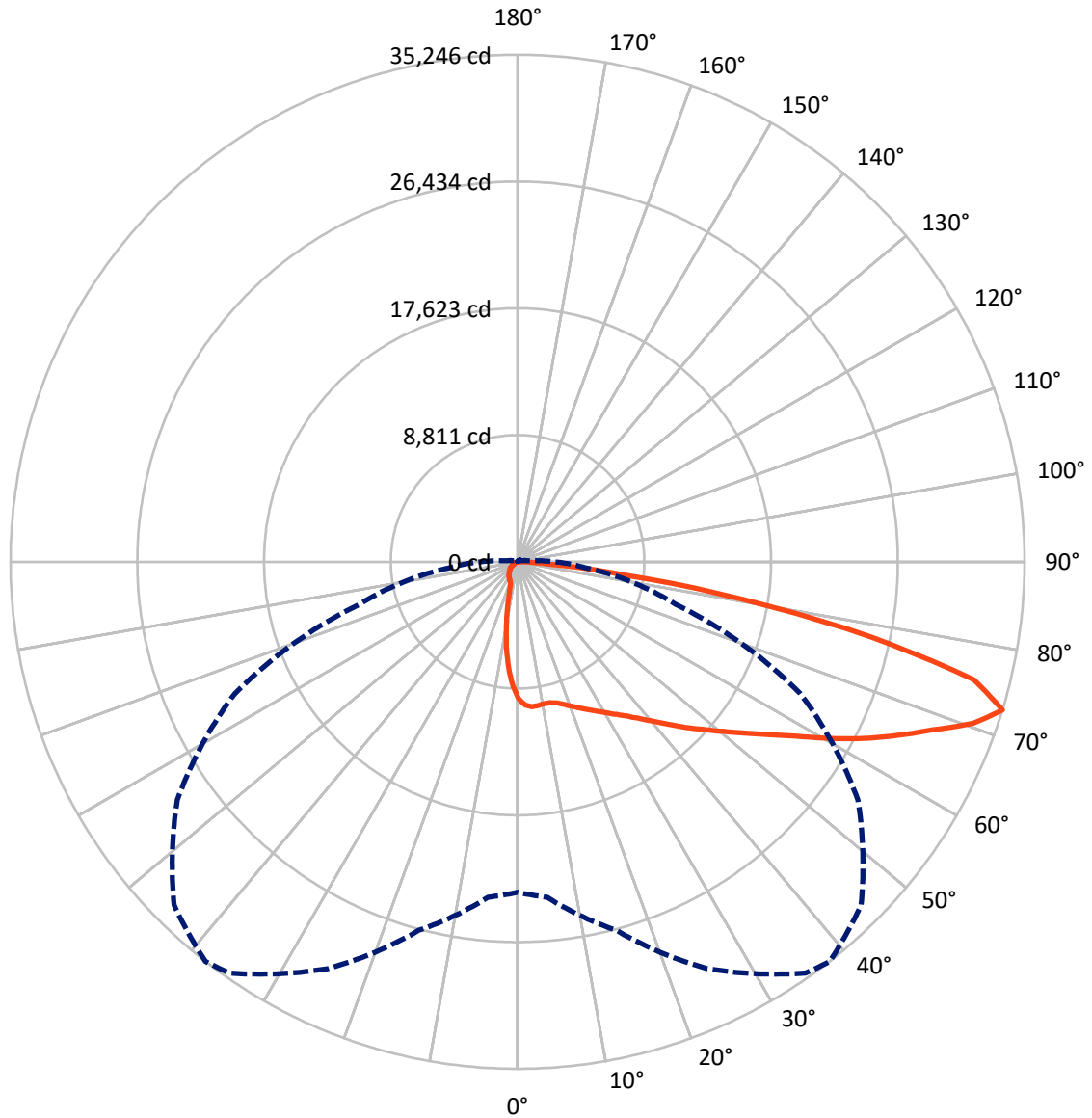
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4354.5	0.0	4354.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	47390.5	0.0	47390.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	51745.0	0.0	51745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.9	1.6
10°-20°	1982.9	3.8
20°-30°	3153.7	6.1
30°-40°	4741.3	9.2
40°-50°	7233.2	14.0
50°-60°	10223.0	19.8
60°-70°	12823.0	24.8
70°-80°	9588.0	18.5
80°-90°	1188.9	2.3
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°	51745.0	100.0
0°-180°	51745.0	100.0

Coefficient of Utilization

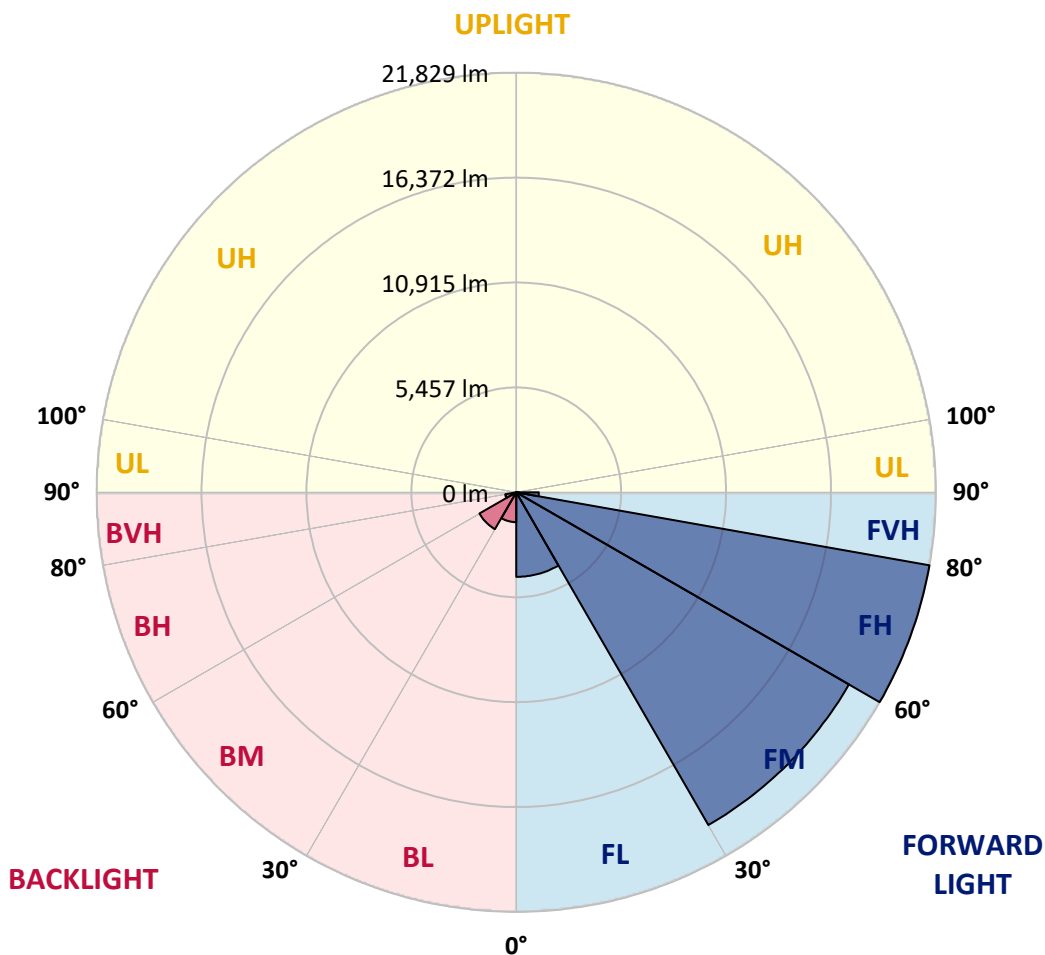


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4397.1	8.5			
FM (30°-60°)	19986.2	38.6			
FH (60°-80°)	21829.4	42.2			G5
FVH (80°-90°)	1177.8	2.3			G5
BL (0°-30°)	1550.5	3.0	B3/2500		
BM (30°-60°)	2211.3	4.3	B2/2500		
BH (60°-80°)	581.7	1.1	B2/1000		G2/1000
BVH (80°-90°)	11.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7
2.5°	10100.3	10102.4	10078.8	10040.1	9990.7	9964.9	9921.9	9853.1	9780.1	9649.0	9507.1
5°	10306.6	10306.6	10276.5	10224.9	10145.4	10121.8	10040.1	9930.5	9780.1	9567.3	9328.8
7.5°	10285.1	10289.4	10248.5	10194.8	10115.3	10093.8	9995.0	9872.5	9685.5	9427.6	9122.5
10°	10173.3	10184.1	10151.8	10126.0	10053.0	10029.3	9936.9	9814.4	9627.5	9352.4	9002.1
12.5°	10059.4	10070.2	10080.9	10104.6	10059.4	10050.8	9977.8	9874.6	9696.3	9410.4	9015.0
15°	9986.4	10007.9	10085.2	10177.6	10188.4	10179.8	10132.5	10035.8	9855.3	9558.7	9107.4
17.5°	9986.4	10020.7	10181.9	10358.1	10420.5	10426.9	10386.1	10250.7	10035.8	9717.7	9193.4
20°	10070.2	10117.5	10368.9	10618.2	10721.3	10721.3	10641.8	10452.7	10201.3	9861.7	9251.4
22.5°	10285.1	10347.4	10663.3	10951.3	11060.9	11037.2	10929.8	10654.7	10373.2	10025.0	9324.5
25°	10708.4	10755.7	11084.5	11374.6	11441.2	11387.5	11252.1	10899.7	10592.4	10246.4	9457.7
27.5°	11254.3	11260.7	11600.3	11845.2	11804.4	11767.9	11598.1	11207.0	10908.3	10562.3	9687.7
30°	11853.8	11853.8	12152.5	12339.5	12214.9	12184.8	12015.0	11578.8	11312.3	10992.1	10014.3
32.5°	12434.1	12459.9	12702.7	12820.9	12681.2	12651.1	12485.6	12049.4	11849.5	11647.5	10523.6
35°	12995.0	13014.3	13244.2	13308.7	13175.5	13184.1	13065.9	12696.2	12621.0	12595.2	11290.8
37.5°	13538.6	13542.9	13777.2	13818.0	13751.4	13824.5	13835.2	13508.6	13648.2	13856.7	12371.7
40°	14035.1	14039.4	14271.5	14376.8	14490.7	14585.2	14669.0	14494.9	14957.0	15440.5	13659.0
42.5°	14432.6	14477.8	14772.2	14972.0	15272.9	15453.4	15681.2	15672.6	16515.0	17241.4	15214.9
45°	14782.9	14860.3	15270.7	15621.0	16136.8	16424.7	16781.5	17060.8	18268.6	19246.4	16790.1
47.5°	15244.9	15318.0	15786.5	16360.3	17048.0	17426.2	18017.1	18621.0	20196.2	21214.8	18328.7
50°	15896.1	15863.9	16325.9	17149.0	18032.2	18528.6	19371.0	20275.7	22108.8	22929.7	19233.5
52.5°	16590.2	16577.3	16919.0	18006.4	19192.6	19772.9	20886.0	21986.3	23937.6	24111.7	19648.2
55°	17449.8	17357.4	17645.4	18984.2	20570.1	21193.4	22504.2	23679.7	25394.6	24777.9	19856.7
57.5°	18350.2	18197.7	18472.7	20073.7	22123.9	22861.0	24296.5	25330.2	26363.8	25233.5	19854.5
60°	19280.8	19100.2	19426.9	21436.2	24053.7	24906.8	26239.2	26445.5	27268.6	25463.4	19708.4
62.5°	20058.7	19951.2	20436.9	22893.2	26209.1	27047.2	27706.9	27459.8	28031.4	25641.8	19366.7
65°	20881.8	20888.2	21672.6	24593.1	28499.9	29065.1	29121.0	28775.0	28669.7	25605.2	18210.6
67.5°	21994.9	22098.1	23406.8	26901.1	30728.4	31164.7	31160.4	30199.8	29136.0	24152.5	15646.8
70°	23172.6	23415.4	25405.4	29542.2	33161.1	33603.8	33376.0	31106.7	27434.0	19530.0	11073.8
72.5°	22974.9	23396.1	26516.4	31207.7	34908.2	35245.6	33765.0	28878.1	21683.3	11351.0	4714.9
75°	17724.9	18212.7	24313.7	29557.2	33075.1	32772.1	29011.4	22472.0	11849.5	3167.6	1061.6
77.5°	9363.2	9623.2	16061.6	22517.1	25790.0	25156.1	20436.9	12466.3	3612.5	784.4	477.1
80°	4904.0	4964.2	6999.3	12775.8	15917.6	15921.9	12111.7	5475.6	1489.3	401.9	320.2
82.5°	2626.1	2677.6	3698.4	5903.3	8340.2	7560.2	4637.5	3012.9	866.0	227.8	307.3
85°	631.8	642.5	2097.4	2697.0	3279.4	2342.4	1377.5	2529.4	234.2	133.2	249.3
87.5°	242.8	247.1	777.9	1166.9	836.0	541.5	644.7	943.4	30.1	51.6	38.7
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°	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7	9515.7
2.5°	9421.2	9365.3	9227.8	9053.7	8899.0	8787.2	8619.6	8510.0	8436.9	8434.8	8406.9
5°	9182.6	9068.7	8772.2	8419.7	8099.5	7811.6	7472.0	7203.4	7003.6	6971.3	6902.6
7.5°	8926.9	8739.9	8284.4	7734.2	7197.0	6651.1	6017.2	5623.9	5286.5	5125.3	5108.2
10°	8770.0	8507.9	7861.0	7065.9	6223.5	5335.9	4506.4	3932.7	3517.9	3399.7	3311.6
12.5°	8737.8	8391.8	7534.4	6438.4	5234.9	4061.6	3144.0	2533.7	2202.7	2097.4	2069.5
15°	8770.0	8338.1	7259.3	5817.3	4233.5	2881.8	2110.3	1755.7	1631.1	1601.0	1598.8
17.5°	8789.4	8273.6	6947.7	5127.5	3262.2	2058.7	1616.0	1512.9	1493.5	1491.4	1495.7
20°	8787.2	8174.8	6575.9	4358.2	2426.2	1618.2	1461.3	1439.8	1435.5	1437.7	1435.5
22.5°	8772.2	8058.7	6167.6	3565.2	1833.1	1446.3	1394.7	1381.8	1379.7	1379.7	1379.7
25°	8800.1	7966.3	5718.5	2806.6	1510.7	1366.8	1334.5	1323.8	1321.6	1321.6	1317.3
27.5°	8901.1	7914.7	5226.3	2159.7	1364.6	1295.8	1270.1	1267.9	1261.5	1259.3	1263.6
30°	9064.4	7914.7	4687.0	1680.5	1276.5	1222.8	1203.4	1199.1	1197.0	1194.8	1197.0
32.5°	9352.4	7974.9	4098.1	1396.8	1192.7	1141.1	1128.2	1134.7	1128.2	1128.2	1128.2
35°	9872.5	8155.4	3481.4	1218.5	1104.6	1061.6	1048.7	1057.3	1053.0	1053.0	1050.9
37.5°	10631.1	8490.7	2860.3	1111.0	1027.2	982.1	964.9	977.8	973.5	973.5	971.3
40°	11555.1	8978.5	2269.3	1029.4	952.0	904.7	889.7	896.1	885.4	885.4	889.7
42.5°	12696.2	9597.4	1753.6	949.9	876.8	831.7	823.1	816.6	797.3	786.5	788.7
45°	13964.1	10242.1	1366.8	872.5	805.9	769.3	756.4	739.3	707.0	685.5	687.7
47.5°	15096.7	10738.5	1111.0	797.3	741.4	713.5	694.1	661.9	614.6	588.8	591.0
50°	15691.9	10813.7	945.6	722.1	681.2	653.3	625.4	575.9	520.1	492.1	490.0
52.5°	15844.5	10461.3	823.1	653.3	621.1	588.8	552.3	485.7	423.4	393.3	389.0
55°	15900.4	9924.0	713.5	588.8	556.6	520.1	472.8	397.6	339.5	309.5	307.3
57.5°	15715.6	9122.5	627.5	530.8	492.1	447.0	389.0	318.1	262.2	238.5	238.5
60°	15305.1	8037.2	560.9	468.5	425.5	373.9	313.8	247.1	195.6	176.2	176.2
62.5°	14486.4	6631.8	498.6	404.0	363.2	309.5	253.6	187.0	137.5	126.8	128.9
65°	12941.2	5030.8	436.2	346.0	309.5	255.7	197.7	133.2	92.4	92.4	96.7
67.5°	10553.7	3494.3	371.8	294.4	266.5	208.5	150.4	92.4	64.5	73.1	81.7
70°	6986.4	1959.9	318.1	242.8	227.8	165.5	111.7	62.3	51.6	68.8	83.8
72.5°	2636.8	762.9	266.5	195.6	197.7	126.8	79.5	47.3	47.3	75.2	98.9
75°	735.0	373.9	191.3	144.0	154.7	92.4	58.0	40.8	45.1	86.0	116.0
77.5°	431.9	275.1	124.6	83.8	105.3	64.5	38.7	32.2	38.7	73.1	111.7
80°	348.1	146.1	73.1	43.0	58.0	36.5	25.8	19.3	10.7	27.9	58.0
82.5°	348.1	88.1	34.4	30.1	30.1	19.3	12.9	8.6	2.1	0.0	15.0
85°	234.2	36.5	21.5	19.3	15.0	6.4	4.3	2.1	0.0	0.0	0.0
87.5°	38.7	15.0	8.6	4.3	2.1	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)