

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: P323224

Luminaire Tested: **GAN-SA0D-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323224
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-SA0D-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 63612 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

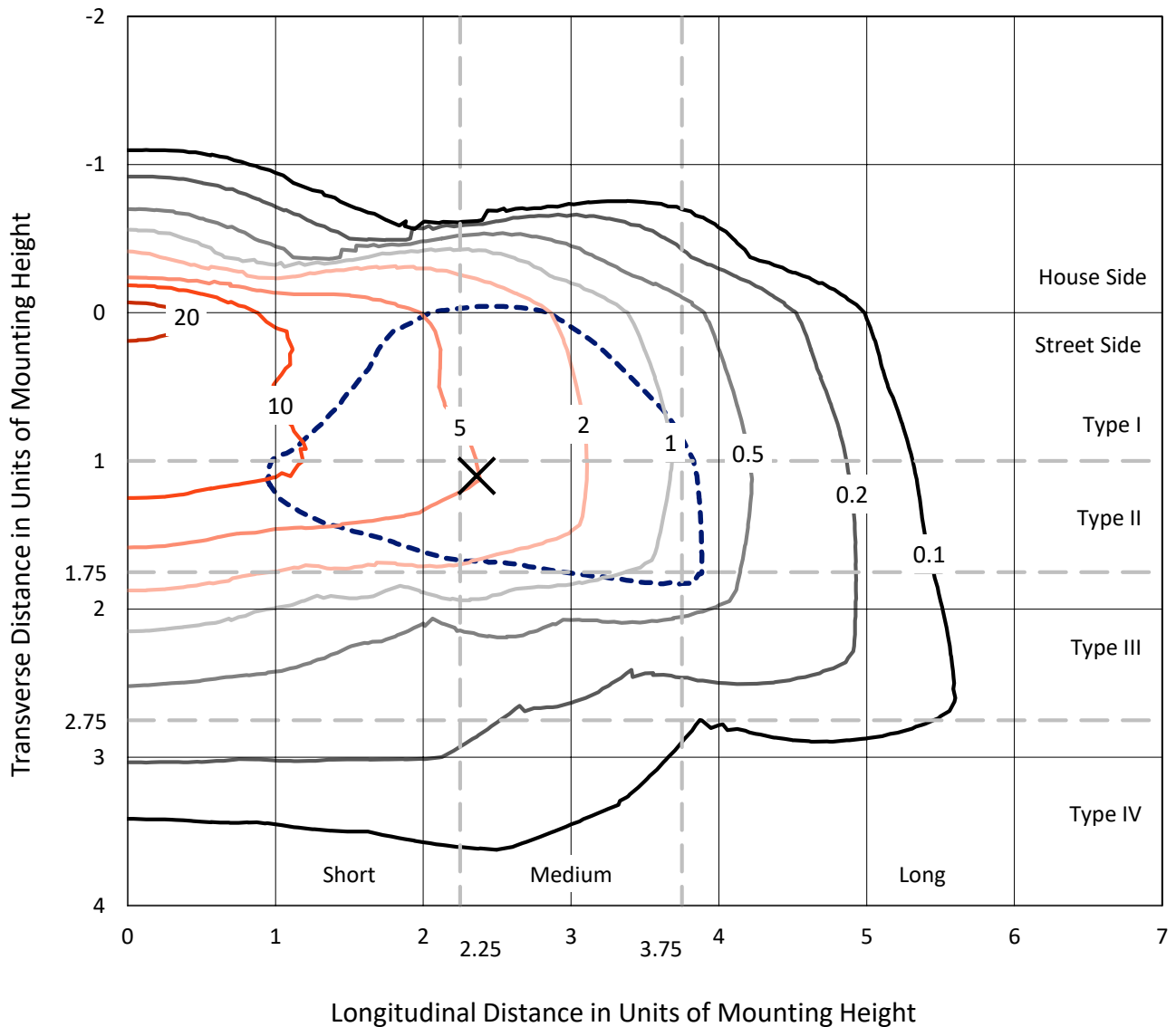
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323224
 CATALOG NUMBER: GAN-SA0D-740-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

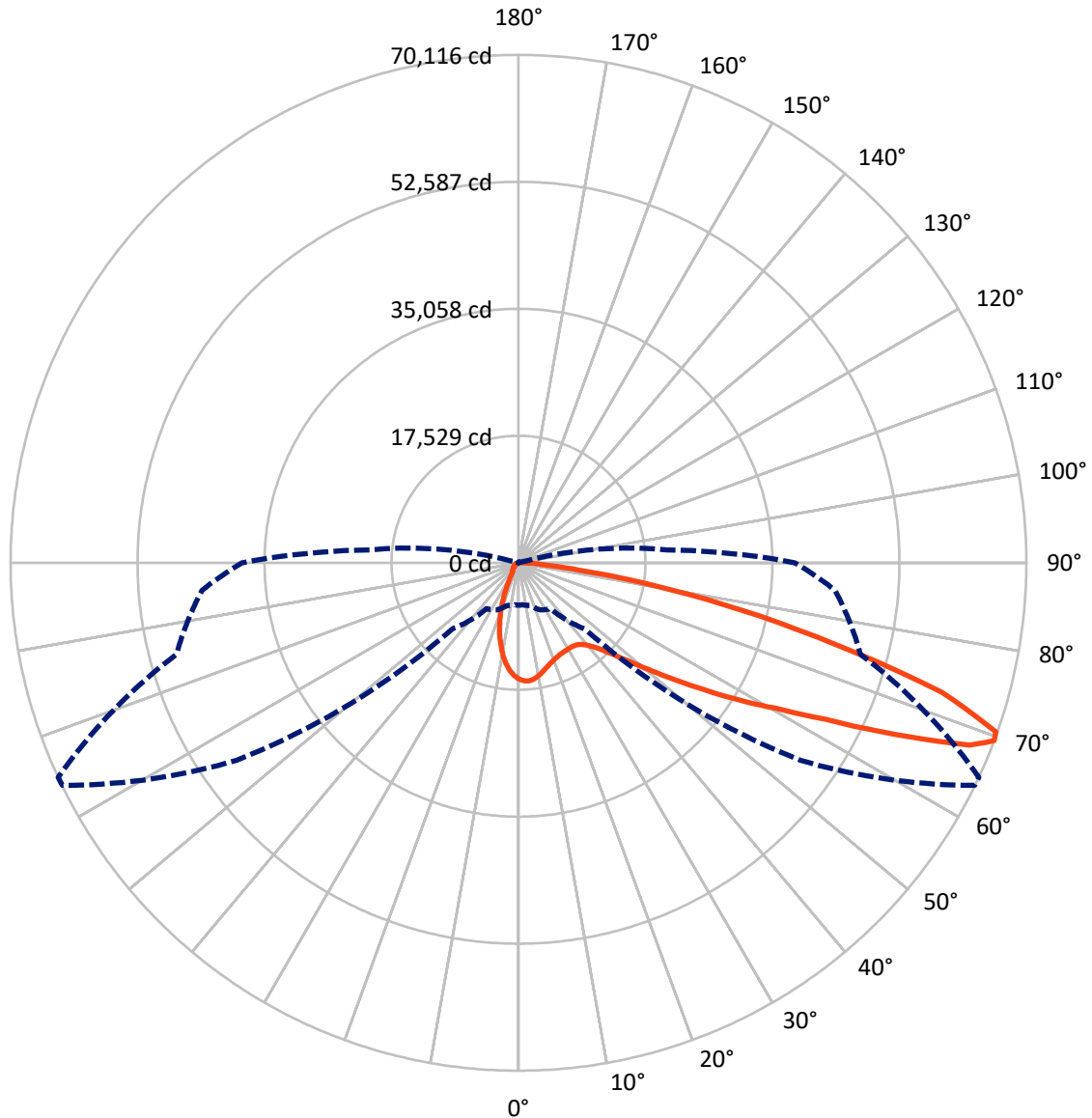
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P323224
CATALOG NUMBER: GAN-SA0D-740-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P323224
 CATALOG NUMBER: GAN-SA0D-740-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7498.3	0.0	7498.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	56113.7	0.0	56113.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	63612.0	0.0	63612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1344.2	2.1
10°-20°	2942.5	4.6
20°-30°	4075.5	6.4
30°-40°	5682.5	8.9
40°-50°	8832.5	13.9
50°-60°	14179.6	22.3
60°-70°	16039.4	25.2
70°-80°	9420.1	14.8
80°-90°	1095.8	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°	63612.0	100.0
0°-180°	63612.0	100.0

Coefficient of Utilization

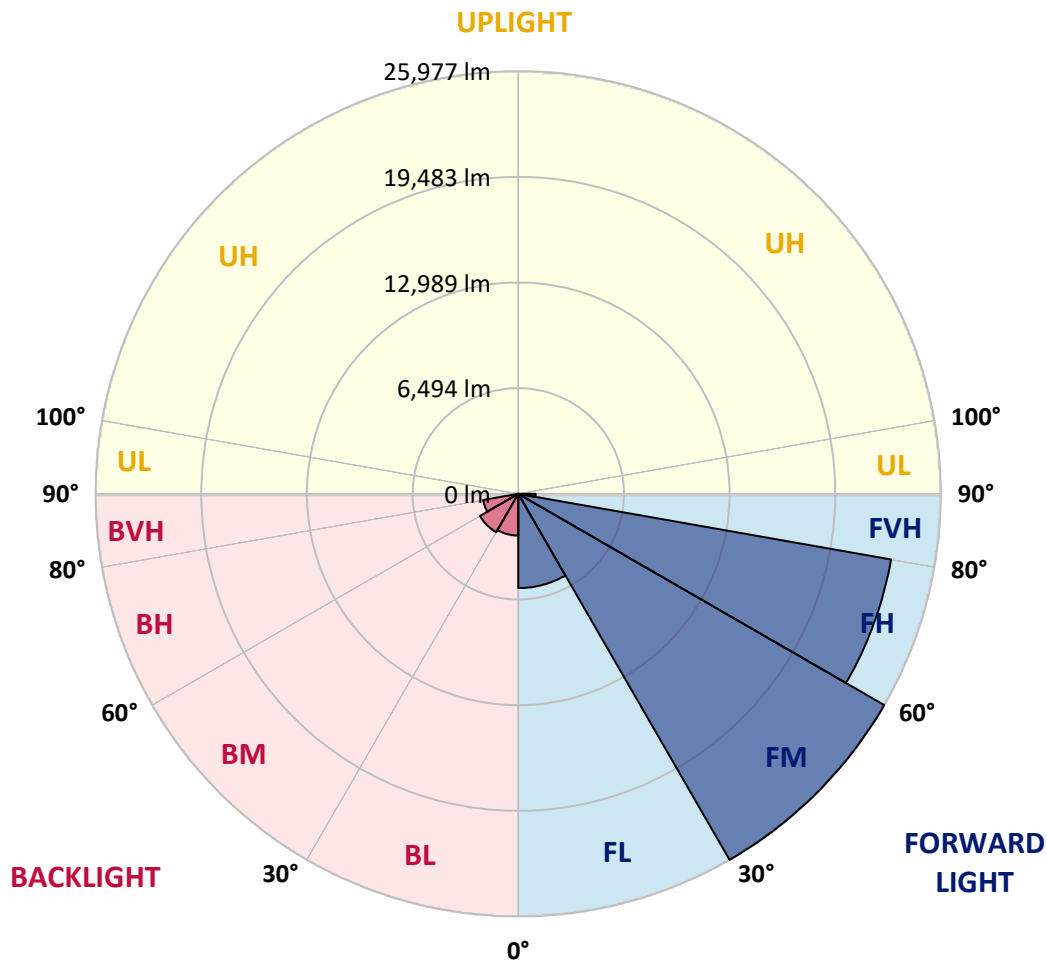


REPORT NUMBER: P323224
 CATALOG NUMBER: GAN-SA0D-740-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5796.5	9.1			
FM (30°-60°)	25977.3	40.8			
FH (60°-80°)	23268.6	36.6			G5
FVH (80°-90°)	1071.2	1.7			G5
BL (0°-30°)	2565.6	4.0	B4/5000		
BM (30°-60°)	2717.2	4.3	B3/5000		
BH (60°-80°)	2190.9	3.4	B3/2500		G3/2500
BVH (80°-90°)	24.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Medium





REPORT NUMBER: P323224
 CATALOG NUMBER: GAN-SA0D-740-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9
2.5°	16217.5	16177.1	16209.4	16279.4	16314.4	16314.4	16341.3	16309.0	16319.8	16241.7	16128.7
5°	15202.8	15140.8	15229.7	15426.2	15668.4	15875.7	16182.5	16344.0	16360.2	16362.9	16231.0
7.5°	14109.9	14053.4	14185.3	14416.8	14729.0	15113.9	15649.6	16117.9	16144.8	16397.9	16301.0
10°	13221.7	13181.3	13334.7	13582.3	13948.4	14379.1	15035.9	15687.3	15765.3	16325.2	16290.2
12.5°	12516.4	12484.1	12629.5	12914.8	13288.9	13765.4	14451.8	15208.1	15313.1	16161.0	16236.4
15°	12002.3	11996.9	12118.1	12392.6	12807.1	13251.3	13953.8	14764.0	14885.1	15983.3	16228.3
17.5°	11733.1	11741.2	11830.0	12064.2	12419.5	12861.0	13533.9	14389.9	14521.7	15824.5	16268.7
20°	11706.2	11714.3	11762.8	11894.6	12182.7	12573.0	13192.0	14074.9	14212.2	15706.1	16333.3
22.5°	11943.1	11937.7	11951.2	11937.7	12099.2	12395.3	12965.9	13832.7	13991.5	15628.0	16384.4
25°	12398.0	12389.9	12384.5	12284.9	12177.3	12336.1	12871.7	13695.4	13846.1	15571.5	16414.0
27.5°	13030.5	13025.2	13017.1	12852.9	12529.9	12430.3	12882.5	13644.3	13770.8	15525.8	16408.6
30°	13862.3	13900.0	13889.2	13660.4	13157.1	12718.3	12995.6	13617.3	13727.7	15436.9	16352.1
32.5°	14839.4	14914.7	14974.0	14729.0	14099.2	13288.9	13256.6	13646.9	13727.7	15369.6	16249.8
35°	15854.1	15951.0	16169.1	16082.9	15253.9	14147.6	13706.2	13824.6	13891.9	15407.3	16201.4
37.5°	16852.8	16968.5	17442.3	17692.6	16766.6	15283.5	14406.0	14263.3	14298.3	15636.1	16255.2
40°	18012.9	18187.9	18906.5	19310.3	18572.8	16804.3	15453.1	15017.0	15030.5	16139.5	16505.5
42.5°	19536.4	19716.7	20494.6	21127.2	20607.7	18726.2	16874.3	16169.1	16155.6	17081.6	17095.0
45°	21393.7	21582.1	22386.9	23089.4	22855.3	21003.4	18693.9	17851.4	17835.2	18567.4	18212.1
47.5°	23498.6	23684.3	24403.0	25127.1	25380.1	23662.8	21011.5	20147.4	20109.7	20631.9	19937.5
50°	25304.7	25425.8	26088.0	27062.4	28203.7	26930.5	23894.3	23062.5	23022.2	23374.8	22470.4
52.5°	25961.5	26031.5	26704.4	28069.1	30916.9	31355.7	27681.5	26610.2	26580.6	26734.0	25843.1
55°	24631.8	24758.3	25584.7	27608.8	32386.6	36356.9	32462.0	31003.1	30779.6	30448.6	29369.2
57.5°	21008.8	21210.6	22098.9	24790.6	31700.2	40324.4	39487.3	35971.9	35643.6	33619.4	32235.9
60°	15741.1	15988.7	16726.3	19630.6	28036.8	41737.6	47164.1	41508.8	40768.6	36144.2	34871.0
62.5°	10801.8	10925.6	11426.3	13318.6	20648.1	39422.7	53586.5	48924.4	47573.2	38889.8	37721.6
65°	8250.1	8293.1	8497.7	9149.1	12295.7	32023.2	56140.9	58708.8	57074.9	42173.6	40679.7
67.5°	6648.5	6613.5	6896.1	7827.5	8233.9	19536.4	53161.2	67965.6	67201.1	46563.8	43656.8
69°	5862.5	5814.1	6102.1	7184.2	7733.3	12914.8	47524.7	70067.8	70116.2	48881.4	43861.3
70°	5275.7	5308.0	5593.4	6801.9	7563.7	10137.0	42141.3	69532.1	69914.4	49748.1	42633.9
72.5°	3523.4	3609.6	4182.9	5647.2	7273.0	7671.4	25444.7	59667.0	61136.7	47796.6	36577.6
75°	1986.5	2051.1	2732.1	4258.3	6853.1	7305.3	13439.7	43958.2	45379.5	39969.1	28206.4
77.5°	974.4	1009.4	1545.0	2748.2	5730.6	6960.7	7622.9	29859.1	31482.2	26088.0	15953.7
80°	411.8	430.7	772.5	1695.8	4096.8	6643.1	5660.7	18376.3	18578.1	10220.4	4250.2
82.5°	158.8	164.2	325.7	1057.8	2602.9	5178.8	4734.7	8713.0	8503.1	1924.6	969.0
85°	18.8	21.5	118.4	635.2	1448.1	2664.8	3846.4	3754.9	3475.0	382.2	498.0
87.5°	0.0	0.0	8.1	193.8	430.7	1249.0	1999.9	1558.5	1405.1	123.8	258.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323224
 CATALOG NUMBER: GAN-SAOD-740-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9	16074.9
2.5°	16034.5	16007.6	15862.2	15652.3	15453.1	15205.4	14968.6	14825.9	14712.9	14637.5	14726.3
5°	16077.6	15959.1	15517.7	14952.4	14397.9	13773.5	13192.0	12699.5	12505.7	12290.3	12387.2
7.5°	16064.1	15840.7	15046.6	14039.9	13022.5	11970.0	10974.1	10206.9	9808.6	9418.3	9517.9
10°	15996.8	15620.0	14416.8	12925.6	11402.1	9889.3	8476.2	7402.2	6801.9	6258.2	6336.3
12.5°	15848.8	15323.9	13673.9	11649.7	9612.1	7617.5	5962.1	4586.7	3849.1	3523.4	3563.8
15°	15759.9	15035.9	12887.9	10357.7	7701.0	5305.4	3644.6	2710.5	2374.1	2266.4	2279.9
17.5°	15716.9	14758.6	12075.0	8879.9	5746.8	3378.1	2355.2	2078.0	2005.3	1986.5	1991.9
20°	15673.8	14478.7	11237.9	7418.3	3959.5	2271.8	1935.3	1854.6	1827.7	1803.4	1808.8
22.5°	15601.1	14209.5	10338.8	5937.9	2670.2	1843.8	1744.2	1666.2	1609.6	1580.0	1585.4
25°	15512.3	13926.9	9421.0	4422.5	1948.8	1644.6	1550.4	1440.1	1372.8	1318.9	1321.6
27.5°	15369.6	13579.7	8473.5	3219.3	1636.6	1472.4	1345.9	1224.7	1111.7	1049.8	1049.8
30°	15170.5	13186.7	7421.0	2304.1	1467.0	1302.8	1149.4	998.6	877.5	821.0	815.6
32.5°	14949.7	12777.5	6357.8	1746.9	1332.4	1144.0	969.0	810.2	702.5	656.8	654.1
35°	14761.3	12336.1	5297.3	1464.3	1197.8	990.5	799.4	664.9	578.7	541.0	538.3
37.5°	14640.2	11894.6	4263.7	1308.2	1076.7	847.9	670.2	549.1	487.2	457.6	454.9
40°	14621.3	11566.3	3318.9	1189.7	963.6	721.4	559.9	465.7	409.1	376.8	374.1
42.5°	14866.3	11377.8	2546.4	1090.1	847.9	611.0	476.4	398.4	339.2	306.9	304.2
45°	15509.6	11437.1	1959.6	1001.3	732.1	516.8	403.8	331.1	277.2	253.0	247.6
47.5°	16683.2	11846.2	1558.5	912.5	621.8	438.7	344.5	274.6	228.8	204.6	201.9
50°	18772.0	12807.1	1302.8	815.6	519.5	374.1	285.3	223.4	185.7	164.2	161.5
52.5°	21544.4	14519.1	1162.8	721.4	430.7	317.6	234.2	177.7	145.4	129.2	126.5
55°	24602.2	16591.7	1071.3	619.1	352.6	263.8	185.7	140.0	113.1	99.6	94.2
57.5°	27587.3	18387.0	985.2	519.5	293.4	215.3	148.0	110.4	88.8	75.4	72.7
60°	30330.1	20037.1	885.6	417.2	239.6	169.6	115.7	86.1	70.0	56.5	56.5
62.5°	33266.8	21312.9	748.3	325.7	196.5	129.2	94.2	78.1	56.5	48.5	45.8
65°	36378.4	22260.4	586.8	253.0	153.4	96.9	78.1	80.8	45.8	35.0	32.3
67.5°	38677.1	22072.0	433.4	199.2	118.4	75.4	75.4	86.1	40.4	26.9	24.2
69°	38171.1	20540.4	363.4	172.3	102.3	64.6	70.0	86.1	37.7	24.2	21.5
70°	36704.1	18844.6	320.3	153.4	91.5	59.2	67.3	83.4	35.0	24.2	21.5
72.5°	30567.0	14193.4	250.3	115.7	72.7	48.5	56.5	72.7	35.0	24.2	18.8
75°	22992.5	9084.5	191.1	83.4	53.8	37.7	43.1	53.8	35.0	21.5	18.8
77.5°	12511.0	3275.8	137.3	56.5	37.7	29.6	29.6	40.4	32.3	16.2	10.8
80°	3216.6	823.7	86.1	37.7	29.6	21.5	18.8	26.9	18.8	2.7	0.0
82.5°	794.1	185.7	45.8	26.9	21.5	8.1	8.1	13.5	8.1	0.0	0.0
85°	436.1	91.5	29.6	18.8	10.8	0.0	0.0	2.7	0.0	0.0	0.0
87.5°	223.4	26.9	8.1	5.4	2.7	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)