

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: P323500

Luminaire Tested: **GAN-SA6D-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36106 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

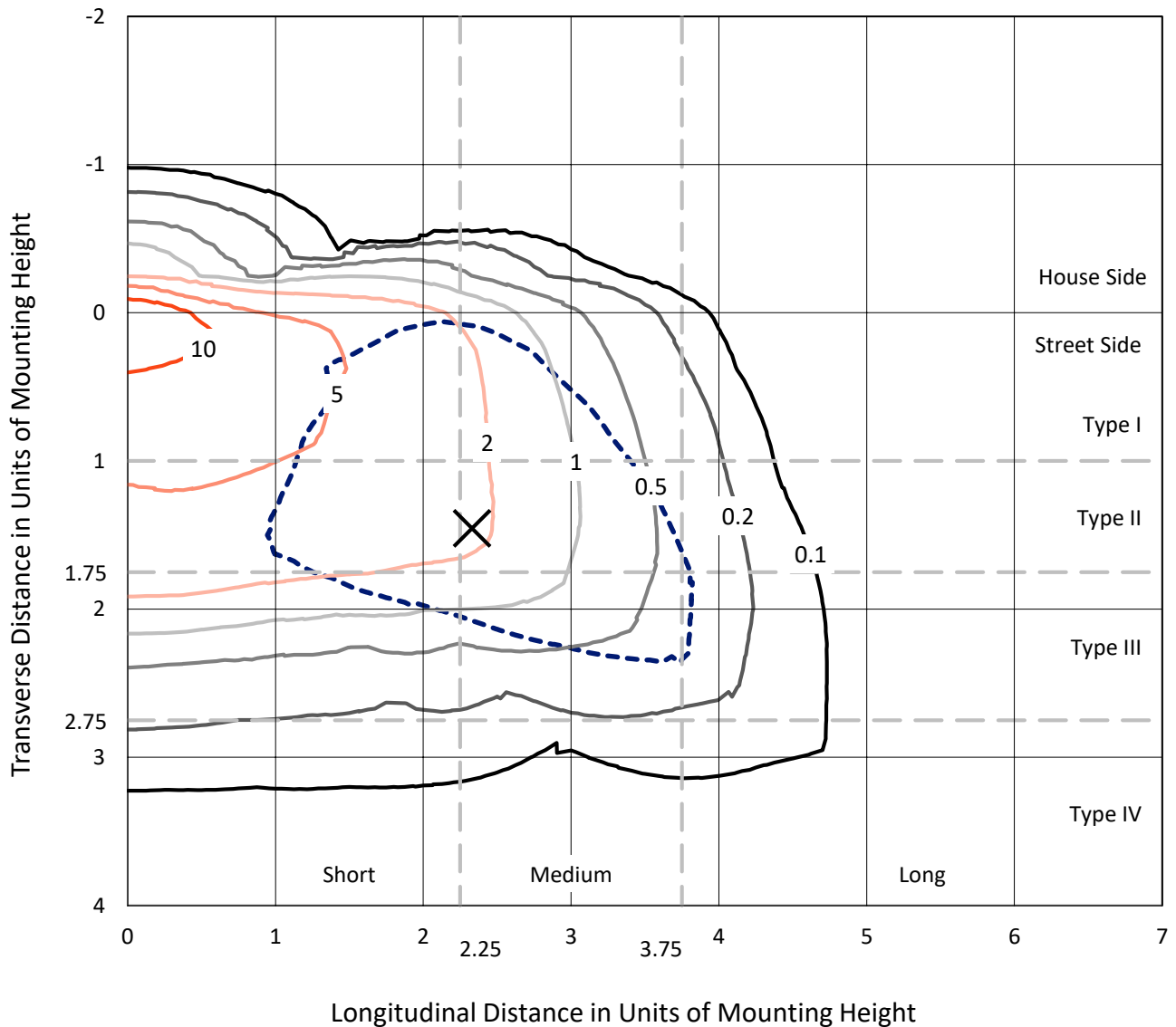
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

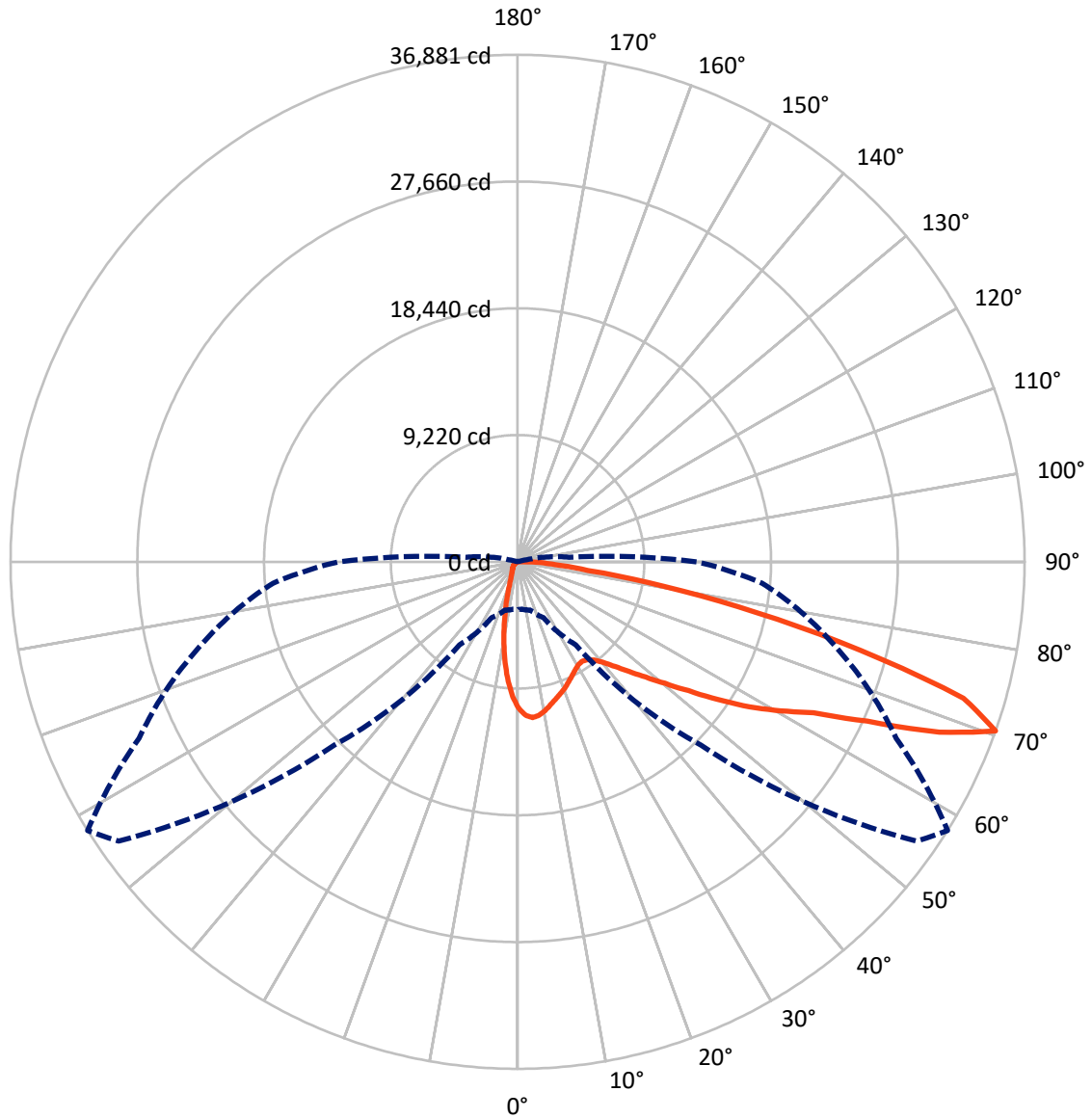
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3089.9	0.0	3089.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	33016.1	0.0	33016.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	36106.0	0.0	36106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	872.2	2.4
10°-20°	1830.5	5.1
20°-30°	2406.4	6.7
30°-40°	3187.1	8.8
40°-50°	4763.7	13.2
50°-60°	7631.2	21.1
60°-70°	9619.1	26.6
70°-80°	5188.5	14.4
80°-90°	607.3	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°	36106.0	100.0
0°-180°	36106.0	100.0

Coefficient of Utilization

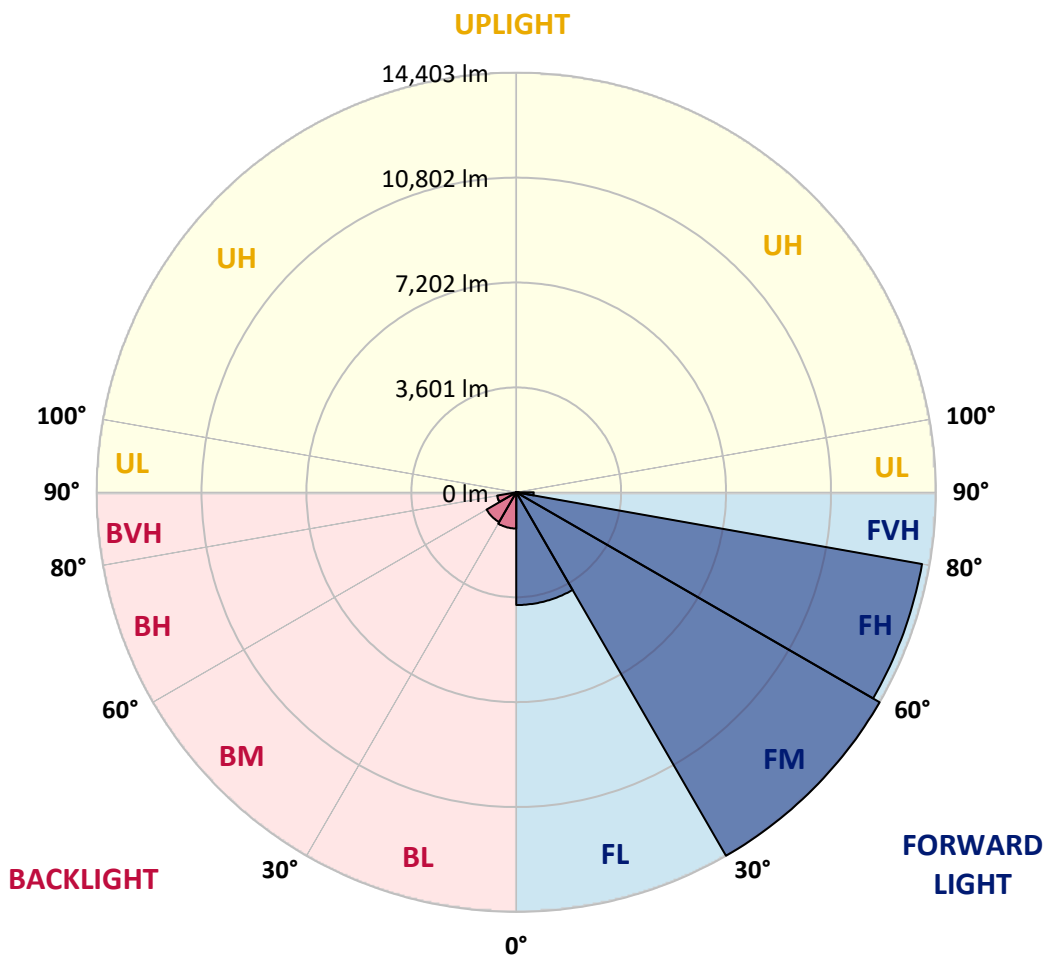


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3867.7	10.7			
FM (30°-60°)	14403.2	39.9			
FH (60°-80°)	14143.1	39.2			G5
FVH (80°-90°)	602.1	1.7			G4/750
BL (0°-30°)	1241.4	3.4	B3/2500		
BM (30°-60°)	1178.8	3.3	B2/2500		
BH (60°-80°)	664.5	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.2	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5
2.5°	11549.8	11521.3	11510.8	11492.8	11423.7	11356.2	11222.5	11185.0	11100.9	10901.3	10689.6
5°	11558.8	11557.3	11588.9	11581.4	11557.3	11525.8	11429.7	11380.2	11237.6	10952.3	10565.0
7.5°	11001.8	11030.4	11100.9	11158.0	11224.0	11309.6	11321.6	11273.6	11156.5	10848.7	10335.2
10°	10254.2	10299.2	10398.3	10510.9	10683.6	10854.7	11007.8	11001.8	10961.3	10658.0	10059.0
12.5°	9505.0	9557.6	9671.7	9838.3	10083.0	10362.3	10635.5	10673.0	10740.6	10486.9	9803.8
15°	8848.9	8894.0	9006.6	9210.7	9514.0	9889.3	10290.2	10359.3	10533.4	10353.3	9590.6
17.5°	8291.9	8320.4	8403.0	8629.7	8981.0	9435.9	9956.9	10092.0	10351.8	10248.2	9405.9
20°	7903.1	7907.6	7961.6	8120.8	8472.1	8981.0	9611.6	9805.3	10159.6	10158.1	9215.2
22.5°	7710.9	7695.9	7706.4	7798.0	8056.2	8547.1	9266.3	9496.0	9986.9	10081.5	9021.6
25°	7674.9	7662.9	7632.8	7644.8	7801.0	8167.3	8918.0	9183.7	9835.3	10035.0	8853.4
27.5°	7787.5	7799.5	7748.4	7694.4	7706.4	7921.1	8608.7	8916.5	9712.2	10035.0	8734.8
30°	8014.2	8020.2	7982.6	7912.1	7817.5	7852.0	8394.0	8701.8	9650.6	10104.0	8659.7
32.5°	8264.9	8297.9	8293.4	8236.4	8101.2	7961.6	8343.0	8623.7	9646.1	10257.2	8652.2
35°	8575.7	8613.2	8676.3	8664.3	8523.1	8293.4	8517.1	8737.8	9734.7	10509.4	8733.3
37.5°	8906.0	8963.0	9098.1	9162.7	9071.1	8811.4	8907.5	9065.1	9971.9	10917.8	8939.0
40°	9225.8	9290.3	9536.5	9790.3	9721.2	9454.0	9499.0	9625.1	10393.8	11504.8	9329.3
42.5°	9539.5	9635.6	9997.4	10414.8	10497.4	10284.2	10308.2	10408.8	11019.9	12312.5	9967.4
45°	9914.9	10023.0	10558.9	11073.9	11294.6	11201.5	11303.6	11369.7	11838.1	13380.0	10827.7
47.5°	10465.9	10590.5	11248.1	11835.1	12222.4	12282.5	12488.2	12531.7	12872.5	14623.1	11949.2
50°	11540.8	11575.4	12169.9	12702.9	13261.4	13621.7	13855.9	13888.9	14124.6	15981.8	13349.9
52.5°	12893.5	12916.1	13252.4	13609.7	14244.7	14980.4	15528.4	15574.9	15624.5	17306.0	14732.7
55°	14237.2	14234.2	14456.4	14666.6	15393.3	16462.2	17651.3	17679.8	17324.0	18562.6	15789.6
57.5°	15076.5	15157.6	15495.4	15765.6	16780.5	18151.2	19801.2	19906.3	19109.1	19493.4	16834.6
60°	14809.2	14848.3	15597.5	16597.3	18508.6	20551.9	21976.7	22003.7	20451.3	20422.8	18155.7
62.5°	12617.3	12638.3	13815.4	15876.7	19383.8	23665.7	24601.0	24161.1	21994.7	21712.4	19736.7
65°	8647.7	8784.4	9767.7	12315.5	17775.9	25618.9	28663.6	27935.5	24347.3	23571.1	21165.9
67.5°	5092.6	5064.0	5550.5	7427.1	13055.7	24321.8	33802.7	33079.1	27555.7	24815.7	20747.1
70°	3478.6	3459.1	3645.3	4496.5	7370.1	18867.4	35419.7	36880.5	30388.7	23978.0	17855.5
72.5°	2483.2	2493.7	2768.5	3493.6	4627.1	10992.8	30459.2	33916.8	29501.4	20903.2	13572.1
75°	1686.0	1714.5	2107.9	2866.1	4056.6	5592.5	21614.8	25782.6	24023.0	15192.1	7801.0
77.5°	906.8	938.3	1402.3	2309.1	3667.8	3885.5	13903.9	17744.4	15090.0	6829.6	2261.0
80°	378.3	396.4	656.1	1678.5	3169.3	3412.6	8180.8	10760.1	6430.3	1346.7	504.5
82.5°	163.6	172.7	273.2	1001.4	2369.1	2881.1	4331.4	5176.6	1948.7	295.8	253.7
85°	31.5	33.0	112.6	530.0	1511.9	1626.0	2807.5	2752.0	875.3	127.6	184.7
87.5°	0.0	0.0	27.0	166.6	444.4	885.8	1713.0	1692.0	297.3	61.6	69.1
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°	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5	10665.5
2.5°	10581.5	10477.9	10260.2	9991.4	9785.8	9559.1	9378.9	9150.7	9051.6	9056.1	9002.1
5°	10344.3	10131.1	9649.1	9041.1	8572.7	8089.2	7673.4	7259.0	7014.3	6934.7	6859.6
7.5°	10005.0	9667.1	8898.5	7961.6	7168.9	6394.2	5720.1	5127.1	4751.8	4568.6	4501.0
10°	9622.1	9147.7	8035.2	6801.1	5669.1	4621.1	3747.4	2987.7	2684.4	2478.7	2426.2
12.5°	9285.8	8643.2	7191.4	5610.5	4266.8	3002.7	2169.4	1696.5	1490.8	1409.8	1396.2
15°	8969.0	8171.8	6379.2	4532.6	2954.6	1848.2	1379.7	1219.1	1171.0	1157.5	1157.5
17.5°	8670.3	7722.9	5585.0	3471.1	1954.7	1295.7	1142.5	1106.5	1091.5	1090.0	1091.5
20°	8358.0	7274.0	4804.3	2543.3	1364.7	1097.5	1055.4	1035.9	1031.4	1031.4	1031.4
22.5°	8059.2	6825.1	4044.6	1816.6	1094.5	1001.4	980.4	966.9	962.4	960.9	957.9
25°	7772.5	6398.7	3303.0	1283.6	960.9	917.3	899.3	881.3	867.8	860.3	855.8
27.5°	7536.7	6018.9	2612.3	1029.9	867.8	830.2	807.7	780.7	747.7	732.7	726.7
30°	7349.1	5672.1	2013.3	869.3	780.7	743.2	708.6	662.1	614.0	588.5	587.0
32.5°	7201.9	5331.3	1528.4	768.7	702.6	656.1	606.5	548.0	492.4	463.9	462.4
35°	7129.9	5031.0	1168.0	695.1	633.6	575.0	513.5	448.9	394.9	367.8	364.8
37.5°	7177.9	4777.3	911.3	633.6	575.0	507.5	435.4	367.8	319.8	295.8	294.3
40°	7353.6	4615.1	740.2	581.0	525.5	442.9	364.8	301.8	261.2	241.7	240.2
42.5°	7727.4	4555.1	632.1	537.5	477.4	382.8	303.3	249.2	211.7	198.2	195.2
45°	8352.0	4643.7	558.5	495.4	427.9	325.8	250.7	204.2	171.2	160.6	159.1
47.5°	9183.7	4876.4	506.0	454.9	382.8	274.7	208.7	165.1	139.6	129.1	127.6
50°	10255.7	5245.7	462.4	414.4	340.8	232.7	172.7	130.6	108.1	100.6	100.6
52.5°	11422.2	5685.6	423.4	376.8	298.8	193.7	139.6	100.6	85.6	76.6	76.6
55°	12386.1	6069.9	381.3	348.3	247.7	160.6	106.6	76.6	63.1	58.6	58.6
57.5°	13348.4	6479.8	333.3	298.8	198.2	130.6	81.1	57.1	46.5	43.5	43.5
60°	14596.1	6981.2	286.8	243.2	156.1	99.1	60.1	40.5	34.5	33.0	33.0
62.5°	15968.3	7275.5	244.7	195.2	121.6	73.6	43.5	27.0	25.5	25.5	24.0
65°	16807.5	6859.6	205.7	156.1	94.6	55.5	28.5	19.5	22.5	21.0	18.0
67.5°	15737.1	5370.3	168.2	121.6	73.6	42.0	18.0	13.5	24.0	19.5	15.0
70°	13030.2	3759.4	130.6	85.6	58.6	36.0	12.0	9.0	25.5	19.5	12.0
72.5°	9751.2	2516.3	103.6	57.1	43.5	31.5	10.5	4.5	22.5	16.5	10.5
75°	5328.3	1013.4	82.6	36.0	27.0	22.5	7.5	3.0	15.0	12.0	7.5
77.5°	1402.3	267.2	60.1	24.0	15.0	9.0	4.5	1.5	7.5	6.0	3.0
80°	357.3	103.6	39.0	16.5	10.5	4.5	0.0	0.0	1.5	0.0	0.0
82.5°	190.7	43.5	24.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	144.1	28.5	13.5	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	55.5	9.0	4.5	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)