

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: P323479

Luminaire Tested: **GAN-SA5B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323479
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-SA5B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA 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: 22221 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

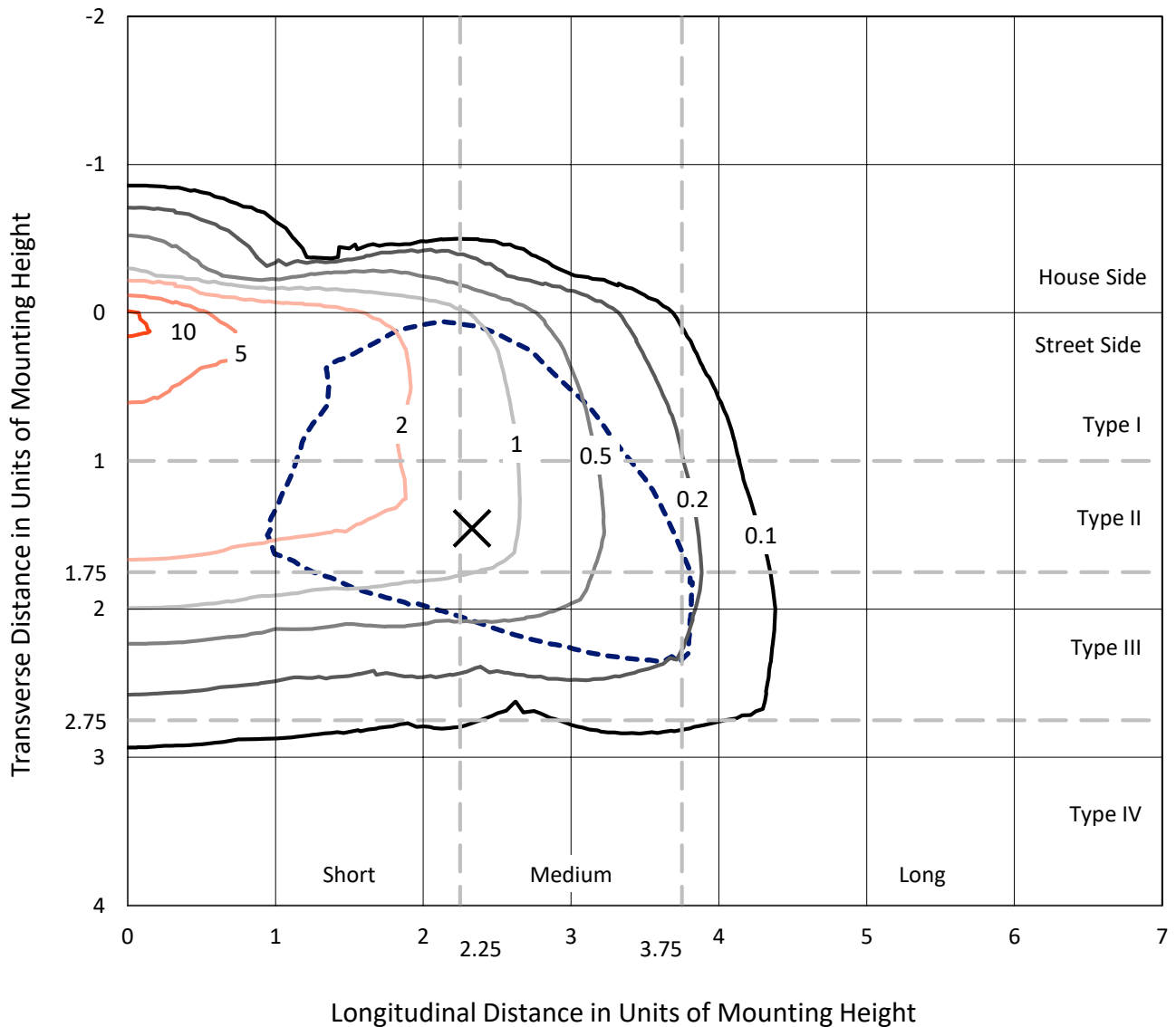
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

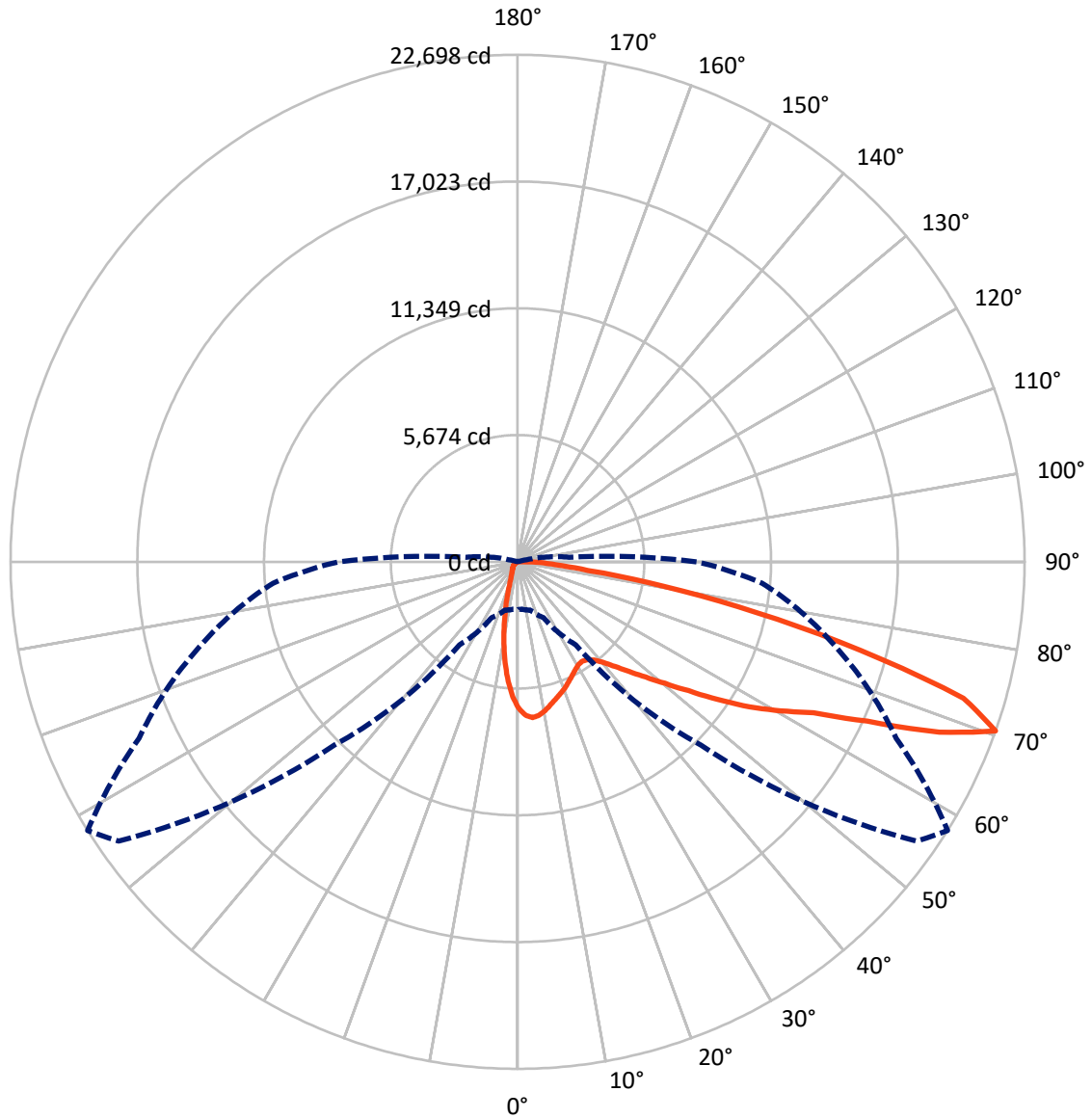
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	1901.6	0.0	1901.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	20319.4	0.0	20319.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	22221.0	0.0	22221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.8	2.4
10°-20°	1126.5	5.1
20°-30°	1481.0	6.7
30°-40°	1961.4	8.8
40°-50°	2931.7	13.2
50°-60°	4696.6	21.1
60°-70°	5920.0	26.6
70°-80°	3193.2	14.4
80°-90°	373.8	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°	22221.0	100.0
0°-180°	22221.0	100.0

Coefficient of Utilization

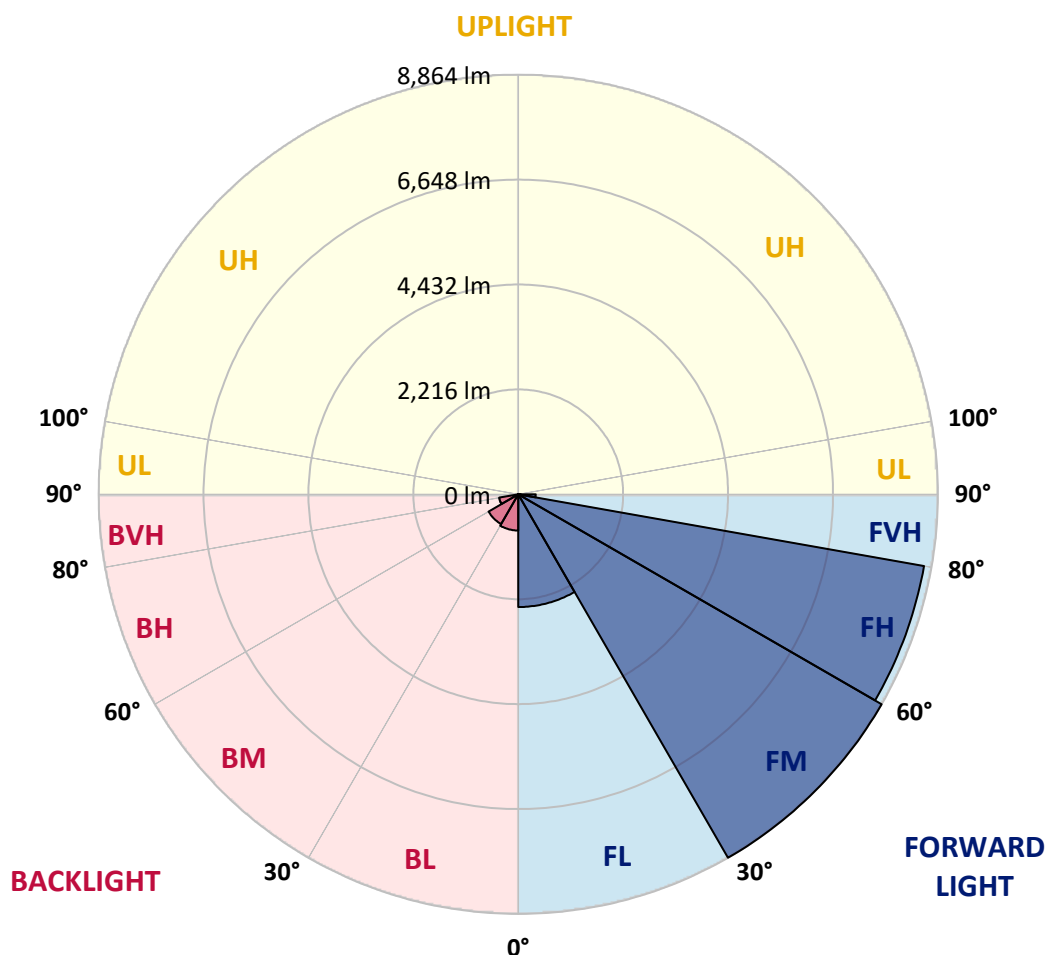


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2380.3	10.7			
FM (30°-60°)	8864.3	39.9			
FH (60°-80°)	8704.2	39.2			G4/12000
FVH (80°-90°)	370.5	1.7			G3/500
BL (0°-30°)	764.0	3.4	B2/1000		
BM (30°-60°)	725.4	3.3	B1/1000		
BH (60°-80°)	409.0	1.8	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0
2.5°	7108.2	7090.6	7084.2	7073.1	7030.6	6989.0	6906.8	6883.7	6831.9	6709.0	6578.8
5°	7113.7	7112.8	7132.2	7127.6	7112.8	7093.4	7034.3	7003.8	6916.0	6740.5	6502.1
7.5°	6771.0	6788.5	6831.9	6867.0	6907.7	6960.4	6967.8	6938.2	6866.1	6676.7	6360.7
10°	6310.8	6338.5	6399.5	6468.8	6575.1	6680.4	6774.6	6771.0	6746.0	6559.4	6190.7
12.5°	5849.7	5882.1	5952.3	6054.9	6205.5	6377.3	6545.5	6568.6	6610.2	6454.0	6033.6
15°	5446.0	5473.7	5543.0	5668.6	5855.3	6086.3	6333.0	6375.5	6482.7	6371.8	5902.4
17.5°	5103.2	5120.7	5171.5	5311.1	5527.3	5807.2	6127.9	6211.0	6370.9	6307.1	5788.8
20°	4863.8	4866.6	4899.9	4997.8	5214.0	5527.3	5915.3	6034.5	6252.6	6251.7	5671.4
22.5°	4745.6	4736.3	4742.8	4799.2	4958.1	5260.2	5702.8	5844.2	6146.3	6204.5	5552.2
25°	4723.4	4716.0	4697.5	4704.9	4801.0	5026.5	5488.5	5652.0	6053.0	6175.9	5448.7
27.5°	4792.7	4800.1	4768.7	4735.4	4742.8	4874.9	5298.1	5487.5	5977.2	6175.9	5375.7
30°	4932.2	4935.9	4912.8	4869.4	4811.2	4832.4	5166.0	5355.4	5939.4	6218.4	5329.5
32.5°	5086.5	5106.9	5104.1	5069.0	4985.8	4899.9	5134.6	5307.4	5936.6	6312.7	5324.9
35°	5277.8	5300.9	5339.7	5332.3	5245.5	5104.1	5241.8	5377.6	5991.1	6467.9	5374.8
37.5°	5481.1	5516.2	5599.3	5639.1	5582.7	5422.9	5482.0	5579.0	6137.1	6719.2	5501.4
40°	5677.9	5717.6	5869.1	6025.3	5982.8	5818.3	5846.0	5923.7	6396.7	7080.5	5741.6
42.5°	5871.0	5930.1	6152.8	6409.7	6460.5	6329.3	6344.1	6406.0	6782.0	7577.6	6134.3
45°	6102.0	6168.5	6498.4	6815.3	6951.1	6893.8	6956.7	6997.3	7285.6	8234.5	6663.8
47.5°	6441.1	6517.8	6922.5	7283.8	7522.1	7559.1	7685.7	7712.5	7922.2	8999.6	7354.0
50°	7102.7	7123.9	7489.8	7817.8	8161.5	8383.3	8527.4	8547.8	8692.8	9835.8	8216.1
52.5°	7935.2	7949.0	8156.0	8375.9	8766.8	9219.5	9556.8	9585.4	9615.9	10650.8	9067.0
55°	8762.1	8760.3	8897.0	9026.4	9473.6	10131.5	10863.3	10880.8	10661.8	11424.1	9717.5
57.5°	9278.6	9328.5	9536.4	9702.7	10327.4	11171.0	12186.4	12251.1	11760.5	11997.0	10360.6
60°	9114.2	9138.2	9599.3	10214.6	11390.9	12648.4	13525.3	13541.9	12586.5	12568.9	11173.7
62.5°	7765.2	7778.1	8502.5	9771.1	11929.5	14564.8	15140.4	14869.7	13536.4	13362.6	12146.7
65°	5322.1	5406.2	6011.4	7579.4	10940.0	15766.9	17640.7	17192.6	14984.2	14506.5	13026.3
67.5°	3134.2	3116.6	3416.0	4570.9	8035.0	14968.5	20803.5	20358.1	16958.8	15272.5	12768.5
70°	2140.9	2128.9	2243.4	2767.3	4535.8	11611.7	21798.6	22697.7	18702.3	14756.9	10988.9
72.5°	1528.3	1534.7	1703.8	2150.1	2847.7	6765.4	18745.8	20873.7	18156.3	12864.6	8352.8
75°	1037.6	1055.2	1297.3	1763.9	2496.6	3441.8	13302.6	15867.6	14784.7	9349.8	4801.0
77.5°	558.1	577.5	863.0	1421.1	2257.3	2391.3	8557.0	10920.6	9287.0	4203.2	1391.5
80°	232.8	243.9	403.8	1033.0	1950.5	2100.2	5034.8	6622.2	3957.4	828.8	310.5
82.5°	100.7	106.3	168.2	616.3	1458.0	1773.1	2665.7	3185.9	1199.3	182.0	156.2
85°	19.4	20.3	69.3	326.2	930.5	1000.7	1727.8	1693.7	538.7	78.5	113.6
87.5°	0.0	0.0	16.6	102.6	273.5	545.2	1054.3	1041.3	182.9	37.9	42.5
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°	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0	6564.0
2.5°	6512.2	6448.5	6314.5	6149.1	6022.5	5883.0	5772.1	5631.7	5570.7	5573.5	5540.2
5°	6366.2	6235.0	5938.4	5564.2	5275.9	4978.4	4722.5	4467.5	4316.9	4267.9	4221.7
7.5°	6157.4	5949.5	5476.4	4899.9	4412.0	3935.2	3520.4	3155.4	2924.4	2811.7	2770.1
10°	5921.8	5629.8	4945.2	4185.6	3489.0	2844.0	2306.3	1838.7	1652.1	1525.5	1493.2
12.5°	5714.8	5319.4	4425.9	3452.9	2626.0	1848.0	1335.2	1044.1	917.5	867.6	859.3
15°	5519.9	5029.2	3926.0	2789.5	1818.4	1137.4	849.1	750.3	720.7	712.4	712.4
17.5°	5336.0	4753.0	3437.2	2136.2	1203.0	797.4	703.2	681.0	671.7	670.8	671.7
20°	5143.8	4476.7	2956.7	1565.2	839.9	675.4	649.6	637.5	634.8	634.8	634.8
22.5°	4959.9	4200.4	2489.2	1118.0	673.6	616.3	603.4	595.0	592.3	591.3	589.5
25°	4783.5	3938.0	2032.8	790.0	591.3	564.6	553.5	542.4	534.1	529.4	526.7
27.5°	4638.4	3704.2	1607.7	633.9	534.1	511.0	497.1	480.5	460.1	450.9	447.2
30°	4522.9	3490.8	1239.1	535.0	480.5	457.4	436.1	407.5	377.9	362.2	361.3
32.5°	4432.3	3281.1	940.6	473.1	432.4	403.8	373.3	337.3	303.1	285.5	284.6
35°	4388.0	3096.3	718.9	427.8	389.9	353.9	316.0	276.3	243.0	226.4	224.5
37.5°	4417.6	2940.1	560.9	389.9	353.9	312.3	268.0	226.4	196.8	182.0	181.1
40°	4525.7	2840.3	455.5	357.6	323.4	272.6	224.5	185.7	160.8	148.8	147.8
42.5°	4755.7	2803.4	389.0	330.8	293.8	235.6	186.6	153.4	130.3	122.0	120.1
45°	5140.1	2857.9	343.7	304.9	263.3	200.5	154.3	125.7	105.3	98.9	97.9
47.5°	5652.0	3001.1	311.4	280.0	235.6	169.1	128.4	101.6	85.9	79.5	78.5
50°	6311.7	3228.4	284.6	255.0	209.7	143.2	106.3	80.4	66.5	61.9	61.9
52.5°	7029.7	3499.1	260.6	231.9	183.9	119.2	85.9	61.9	52.7	47.1	47.1
55°	7622.9	3735.7	234.7	214.4	152.5	98.9	65.6	47.1	38.8	36.0	36.0
57.5°	8215.1	3987.9	205.1	183.9	122.0	80.4	49.9	35.1	28.6	26.8	26.8
60°	8983.0	4296.5	176.5	149.7	96.1	61.0	37.0	24.9	21.3	20.3	20.3
62.5°	9827.5	4477.6	150.6	120.1	74.8	45.3	26.8	16.6	15.7	15.7	14.8
65°	10344.0	4221.7	126.6	96.1	58.2	34.2	17.6	12.0	13.9	12.9	11.1
67.5°	9685.2	3305.1	103.5	74.8	45.3	25.9	11.1	8.3	14.8	12.0	9.2
70°	8019.3	2313.7	80.4	52.7	36.0	22.2	7.4	5.5	15.7	12.0	7.4
72.5°	6001.3	1548.6	63.8	35.1	26.8	19.4	6.5	2.8	13.9	10.2	6.5
75°	3279.2	623.7	50.8	22.2	16.6	13.9	4.6	1.8	9.2	7.4	4.6
77.5°	863.0	164.5	37.0	14.8	9.2	5.5	2.8	0.9	4.6	3.7	1.8
80°	219.9	63.8	24.0	10.2	6.5	2.8	0.0	0.0	0.9	0.0	0.0
82.5°	117.3	26.8	14.8	7.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	88.7	17.6	8.3	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.2	5.5	2.8	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)