

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: P323482

Luminaire Tested: **GAN-SA8B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323482
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-SA8B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 35633 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

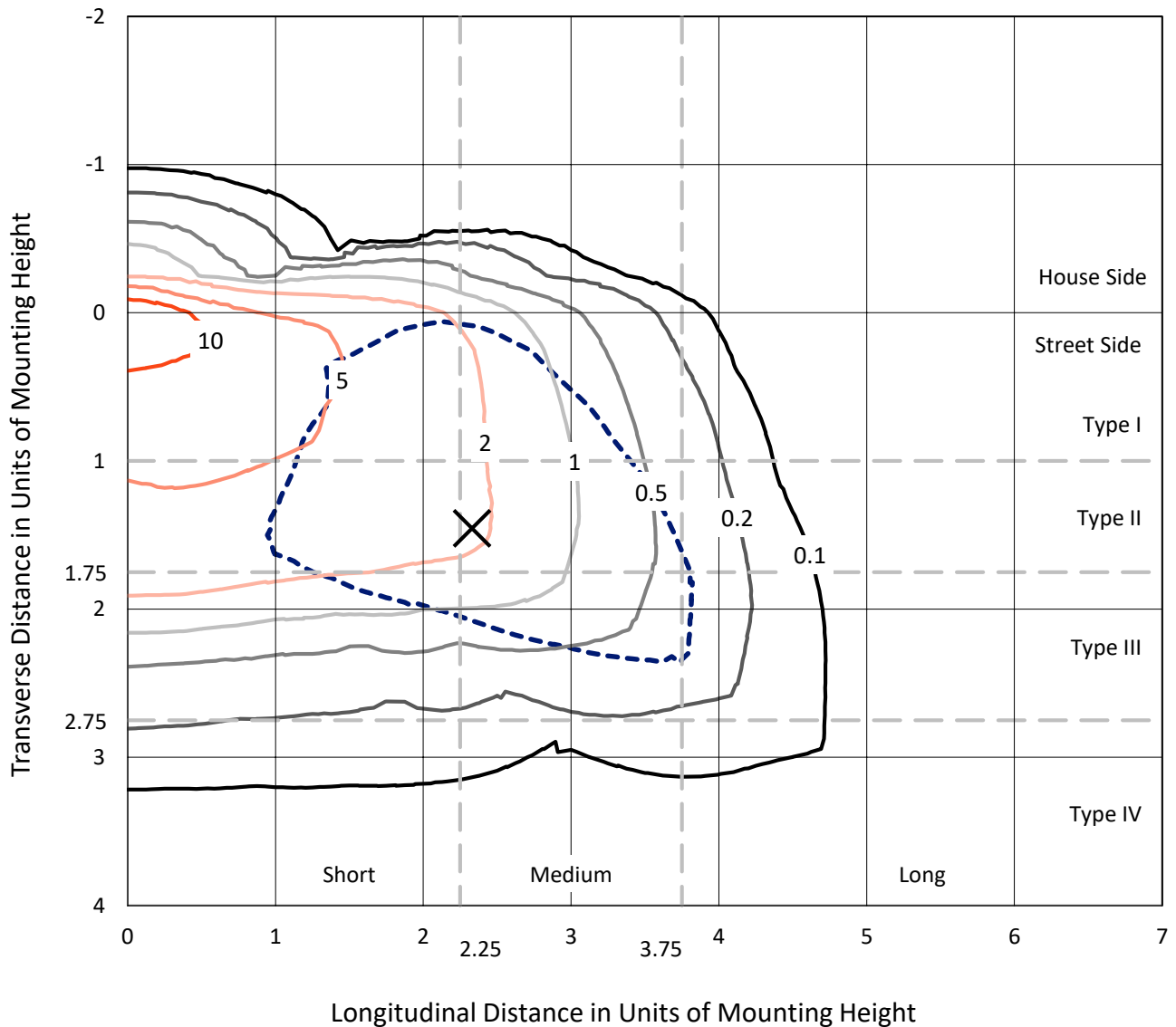
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

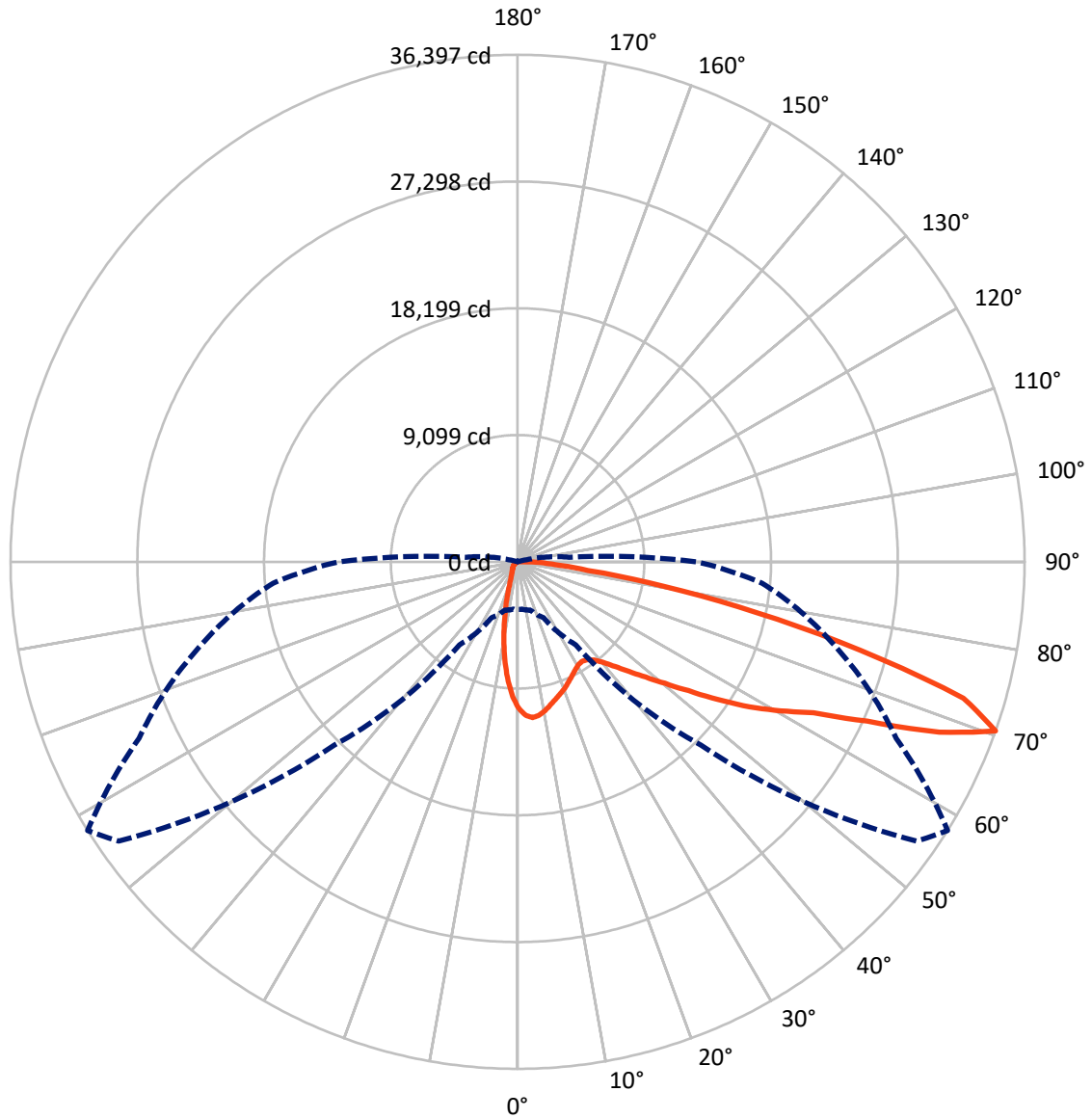
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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	3049.4	0.0	3049.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	32583.6	0.0	32583.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	35633.0	0.0	35633.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.7	2.4
10°-20°	1806.5	5.1
20°-30°	2374.9	6.7
30°-40°	3145.3	8.8
40°-50°	4701.3	13.2
50°-60°	7531.3	21.1
60°-70°	9493.1	26.6
70°-80°	5120.5	14.4
80°-90°	599.4	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°	35633.0	100.0
0°-180°	35633.0	100.0

Coefficient of Utilization

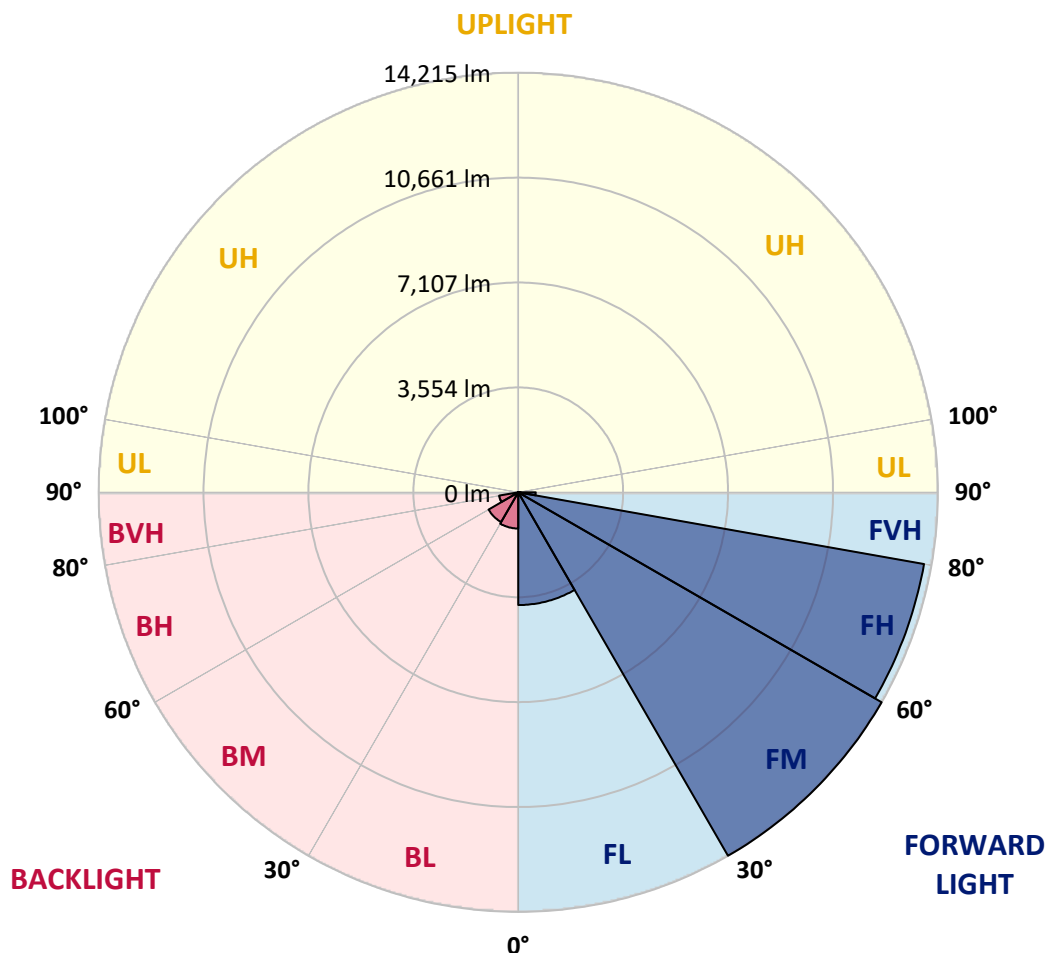


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3817.0	10.7			
FM (30°-60°)	14214.6	39.9			
FH (60°-80°)	13957.8	39.2			G5
FVH (80°-90°)	594.2	1.7			G4/750
BL (0°-30°)	1225.1	3.4	B3/2500		
BM (30°-60°)	1163.3	3.3	B2/2500		
BH (60°-80°)	655.8	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°	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8
2.5°	11398.5	11370.4	11360.0	11342.2	11274.1	11207.4	11075.5	11038.5	10955.5	10758.4	10549.5
5°	11407.4	11405.9	11437.0	11429.6	11405.9	11374.8	11280.0	11231.1	11090.3	10808.8	10426.5
7.5°	10857.7	10885.9	10955.5	11011.8	11077.0	11161.5	11173.3	11125.9	11010.3	10706.6	10199.9
10°	10119.8	10164.3	10262.1	10373.2	10543.6	10712.5	10863.6	10857.7	10817.7	10518.4	9927.2
12.5°	9380.5	9432.3	9545.0	9709.4	9950.9	10226.5	10496.2	10533.2	10599.9	10349.5	9675.3
15°	8733.0	8777.4	8888.6	9090.1	9389.4	9759.8	10155.4	10223.6	10395.4	10217.6	9464.9
17.5°	8183.3	8211.4	8292.9	8516.7	8863.4	9312.3	9826.5	9959.8	10216.1	10113.9	9282.7
20°	7799.5	7804.0	7857.3	8014.4	8361.1	8863.4	9485.7	9676.8	10026.5	10025.0	9094.5
22.5°	7609.9	7595.1	7605.4	7695.8	7950.7	8435.2	9144.9	9371.6	9856.1	9949.4	8903.4
25°	7574.3	7562.5	7532.8	7544.7	7698.8	8060.3	8801.1	9063.4	9706.5	9903.5	8737.4
27.5°	7685.4	7697.3	7646.9	7593.6	7605.4	7817.3	8495.9	8799.7	9585.0	9903.5	8620.4
30°	7909.2	7915.1	7878.1	7808.4	7715.1	7749.2	8284.0	8587.8	9524.2	9971.7	8546.3
32.5°	8156.6	8189.2	8184.8	8128.5	7995.1	7857.3	8233.7	8510.7	9519.8	10122.8	8538.9
35°	8463.3	8500.4	8562.6	8550.7	8411.5	8184.8	8405.5	8623.3	9607.2	10371.7	8618.9
37.5°	8789.3	8845.6	8979.0	9042.7	8952.3	8696.0	8790.8	8946.4	9841.3	10774.7	8821.9
40°	9104.9	9168.6	9411.6	9662.0	9593.8	9330.1	9374.6	9499.0	10257.6	11354.1	9207.1
42.5°	9414.6	9509.4	9866.5	10278.4	10359.9	10149.5	10173.2	10272.5	10875.5	12151.2	9836.8
45°	9785.0	9891.7	10420.6	10928.8	11146.6	11054.8	11155.5	11220.7	11683.0	13204.7	10685.8
47.5°	10328.8	10451.7	11100.7	11680.0	12062.3	12121.6	12324.6	12367.5	12703.9	14431.5	11792.7
50°	11389.6	11423.7	12010.5	12536.5	13087.6	13443.2	13674.4	13707.0	13939.6	15772.4	13175.1
52.5°	12724.6	12746.9	13078.7	13431.4	14058.1	14784.2	15325.0	15370.9	15419.8	17079.3	14539.7
55°	14050.7	14047.8	14267.0	14474.5	15191.6	16246.6	17420.1	17448.2	17097.0	18319.4	15582.8
57.5°	14879.0	14959.0	15292.4	15559.1	16560.7	17913.5	19541.8	19645.5	18858.8	19238.1	16614.0
60°	14615.2	14653.8	15393.1	16379.9	18266.1	20282.6	21688.8	21715.4	20183.4	20155.2	17917.9
62.5°	12452.0	12472.7	13634.4	15668.7	19129.9	23355.6	24278.7	23844.6	21706.5	21428.0	19478.1
65°	8534.4	8669.3	9639.8	12154.2	17543.0	25283.3	28288.1	27569.5	24028.3	23262.3	20888.7
67.5°	5025.8	4997.7	5477.8	7329.8	12884.6	24003.1	33359.9	32645.7	27194.7	24490.6	20475.3
70°	3433.0	3413.8	3597.5	4437.6	7273.5	18620.2	34955.7	36397.3	29990.6	23663.8	17621.6
72.5°	2450.7	2461.1	2732.2	3447.9	4566.5	10848.8	30060.2	33472.5	29114.9	20629.4	13394.3
75°	1663.9	1692.1	2080.3	2828.5	4003.5	5519.2	21331.7	25444.8	23708.3	14993.1	7698.8
77.5°	894.9	926.0	1383.9	2278.8	3619.7	3834.6	13721.8	17511.9	14892.3	6740.1	2231.4
80°	373.4	391.2	647.5	1656.5	3127.8	3367.8	8073.6	10619.2	6346.0	1329.1	497.8
82.5°	161.5	170.4	269.7	988.3	2338.1	2843.3	4274.6	5108.8	1923.2	291.9	250.4
85°	31.1	32.6	111.1	523.0	1492.0	1604.7	2770.7	2715.9	863.8	125.9	182.2
87.5°	0.0	0.0	26.7	164.5	438.6	874.2	1690.6	1669.8	293.4	60.7	68.2
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°	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8	10525.8
2.5°	10442.8	10340.6	10125.8	9860.5	9657.6	9433.8	9256.0	9030.8	8933.0	8937.5	8884.1
5°	10208.7	9998.3	9522.7	8922.6	8460.4	7983.3	7572.8	7163.9	6922.4	6843.9	6769.8
7.5°	9873.9	9540.5	8781.9	7857.3	7075.0	6310.5	5645.2	5059.9	4689.5	4508.7	4442.1
10°	9496.1	9027.8	7929.9	6712.0	5594.8	4560.6	3698.3	2948.5	2649.2	2446.2	2394.4
12.5°	9164.2	8530.0	7097.2	5537.0	4210.9	2963.4	2141.0	1674.3	1471.3	1391.3	1378.0
15°	8851.5	8064.8	6295.6	4473.2	2915.9	1823.9	1361.7	1203.1	1155.7	1142.4	1142.4
17.5°	8556.7	7621.7	5511.8	3425.6	1929.1	1278.7	1127.6	1092.0	1077.2	1075.7	1077.2
20°	8248.5	7178.7	4741.4	2510.0	1346.8	1083.1	1041.6	1022.4	1017.9	1017.9	1017.9
22.5°	7953.6	6735.7	3991.6	1792.8	1080.1	988.3	967.5	954.2	949.8	948.3	945.3
25°	7670.6	6314.9	3259.7	1266.8	948.3	905.3	887.5	869.7	856.4	849.0	844.6
27.5°	7438.0	5940.0	2578.1	1016.4	856.4	819.4	797.1	770.5	737.9	723.1	717.1
30°	7252.8	5597.8	1986.9	857.9	770.5	733.4	699.4	653.4	606.0	580.8	579.3
32.5°	7107.6	5261.4	1508.3	758.6	693.4	647.5	598.6	540.8	486.0	457.8	456.4
35°	7036.5	4965.1	1152.7	686.0	625.3	567.5	506.7	443.0	389.7	363.0	360.0
37.5°	7083.9	4714.7	899.4	625.3	567.5	500.8	429.7	363.0	315.6	291.9	290.4
40°	7257.2	4554.7	730.5	573.4	518.6	437.1	360.0	297.8	257.8	238.5	237.1
42.5°	7626.2	4495.4	623.8	530.4	471.2	377.8	299.3	246.0	208.9	195.6	192.6
45°	8242.6	4582.8	551.2	489.0	422.3	321.5	247.4	201.5	168.9	158.5	157.1
47.5°	9063.4	4812.5	499.3	448.9	377.8	271.1	206.0	163.0	137.8	127.4	125.9
50°	10121.3	5177.0	456.4	408.9	336.3	229.7	170.4	128.9	106.7	99.3	99.3
52.5°	11272.6	5611.1	417.8	371.9	294.9	191.1	137.8	99.3	84.5	75.6	75.6
55°	12223.8	5990.4	376.3	343.7	244.5	158.5	105.2	75.6	62.2	57.8	57.8
57.5°	13173.6	6394.9	328.9	294.9	195.6	128.9	80.0	56.3	45.9	43.0	43.0
60°	14404.8	6889.8	283.0	240.0	154.1	97.8	59.3	40.0	34.1	32.6	32.6
62.5°	15759.1	7180.2	241.5	192.6	120.0	72.6	43.0	26.7	25.2	25.2	23.7
65°	16587.4	6769.8	203.0	154.1	93.3	54.8	28.2	19.3	22.2	20.7	17.8
67.5°	15530.9	5300.0	165.9	120.0	72.6	41.5	17.8	13.3	23.7	19.3	14.8
70°	12859.5	3710.1	128.9	84.5	57.8	35.6	11.9	8.9	25.2	19.3	11.9
72.5°	9623.5	2483.3	102.2	56.3	43.0	31.1	10.4	4.4	22.2	16.3	10.4
75°	5258.5	1000.1	81.5	35.6	26.7	22.2	7.4	3.0	14.8	11.9	7.4
77.5°	1383.9	263.7	59.3	23.7	14.8	8.9	4.4	1.5	7.4	5.9	3.0
80°	352.6	102.2	38.5	16.3	10.4	4.4	0.0	0.0	1.5	0.0	0.0
82.5°	188.2	43.0	23.7	11.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	142.2	28.2	13.3	7.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	54.8	8.9	4.4	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)