

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: P650483

Luminaire Tested: **GLAN-SA6B-835-U-T2R-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-835-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21152.8 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

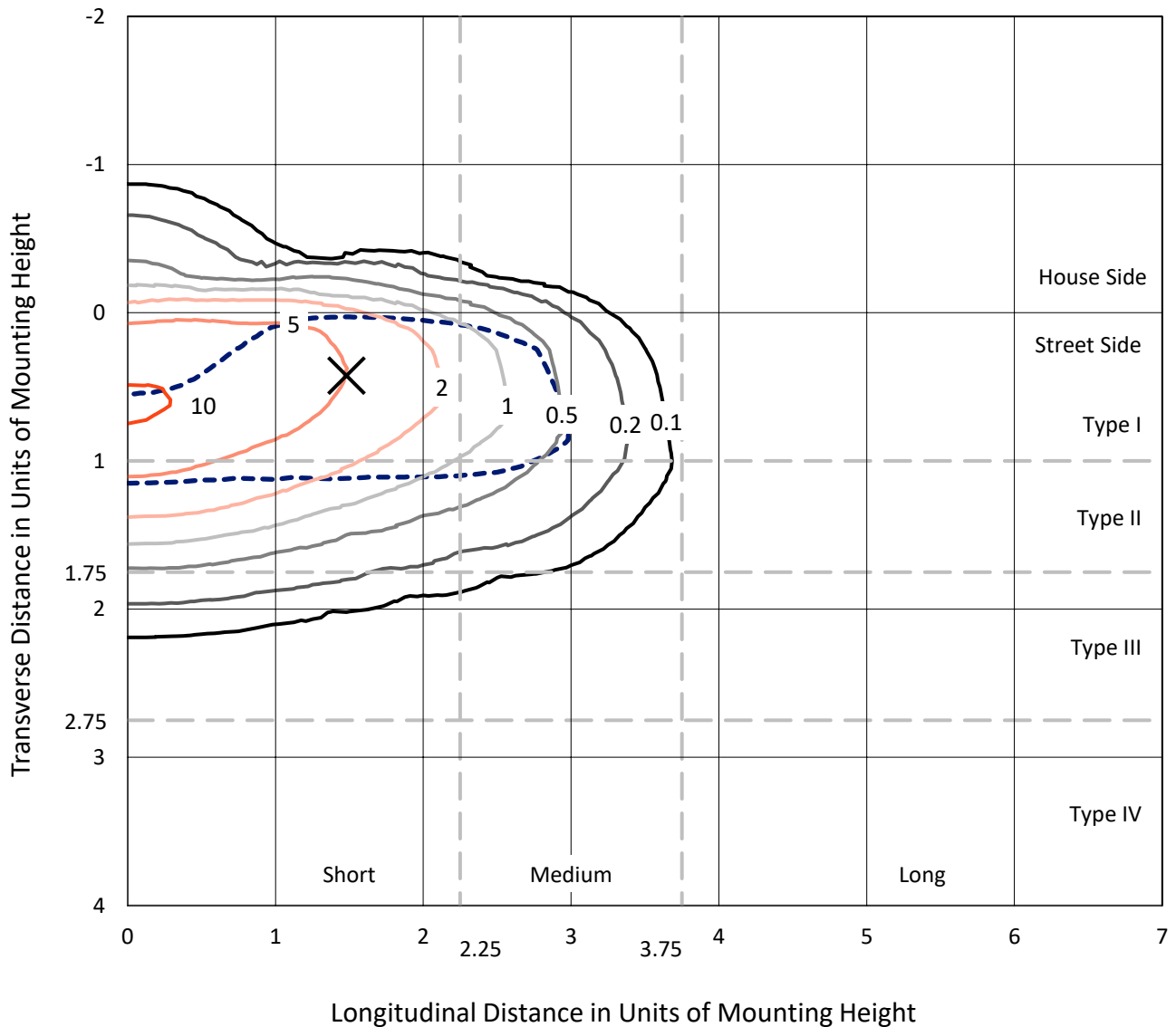
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

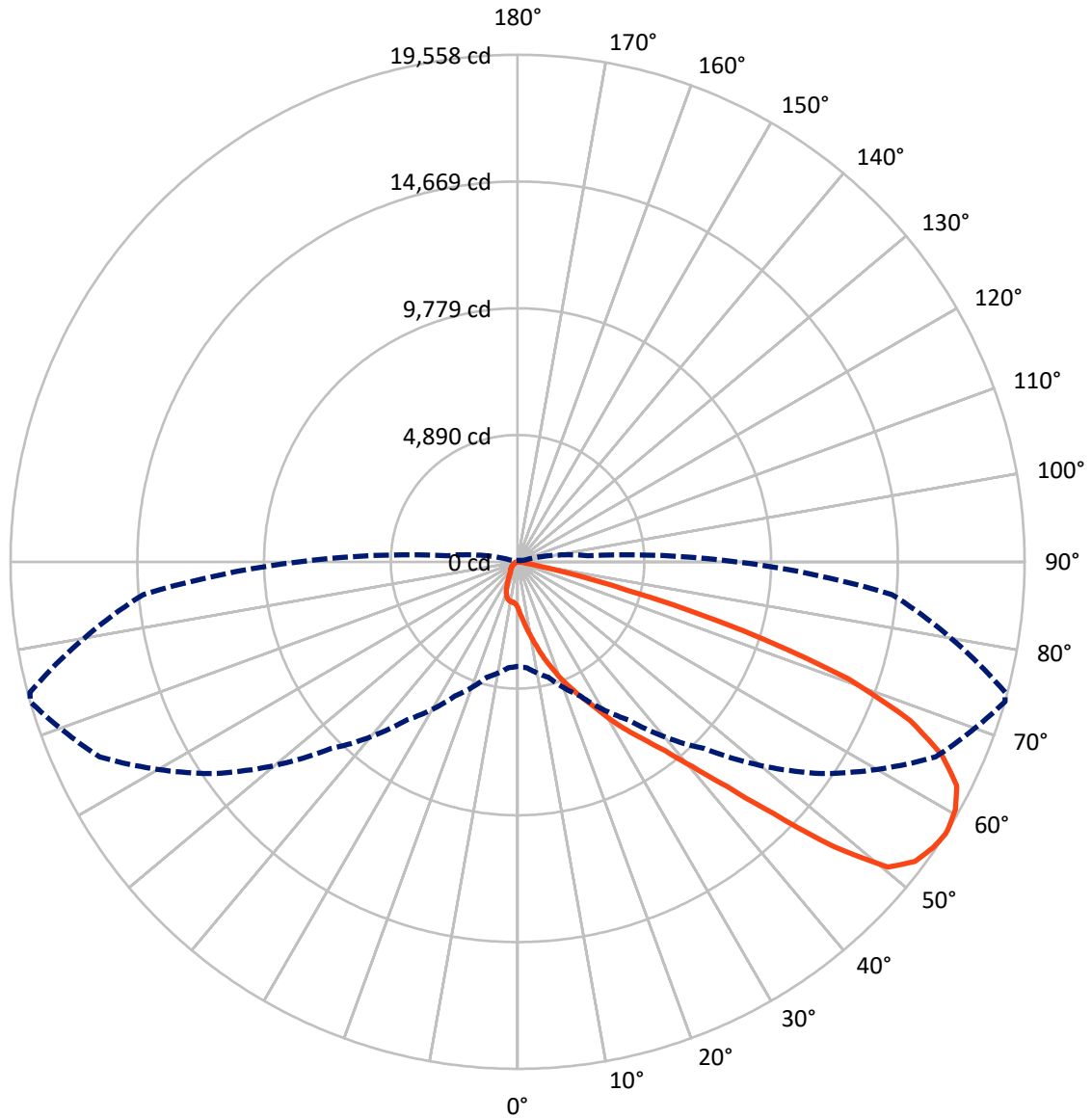
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.0	0.0	1220.0
	% Fixture	5.8	0.0	5.8
Street Side	Lumens	19932.7	0.0	19932.7
	% Fixture	94.2	0.0	94.2
Total	Lumens	21152.8	0.0	21152.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.8	1.0
10°-20°	842.8	4.0
20°-30°	1803.4	8.5
30°-40°	3314.7	15.7
40°-50°	5081.4	24.0
50°-60°	5375.5	25.4
60°-70°	3510.3	16.6
70°-80°	959.2	4.5
80°-90°	51.7	0.2
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°	21152.8	100.0
0°-180°	21152.8	100.0

Coefficient of Utilization

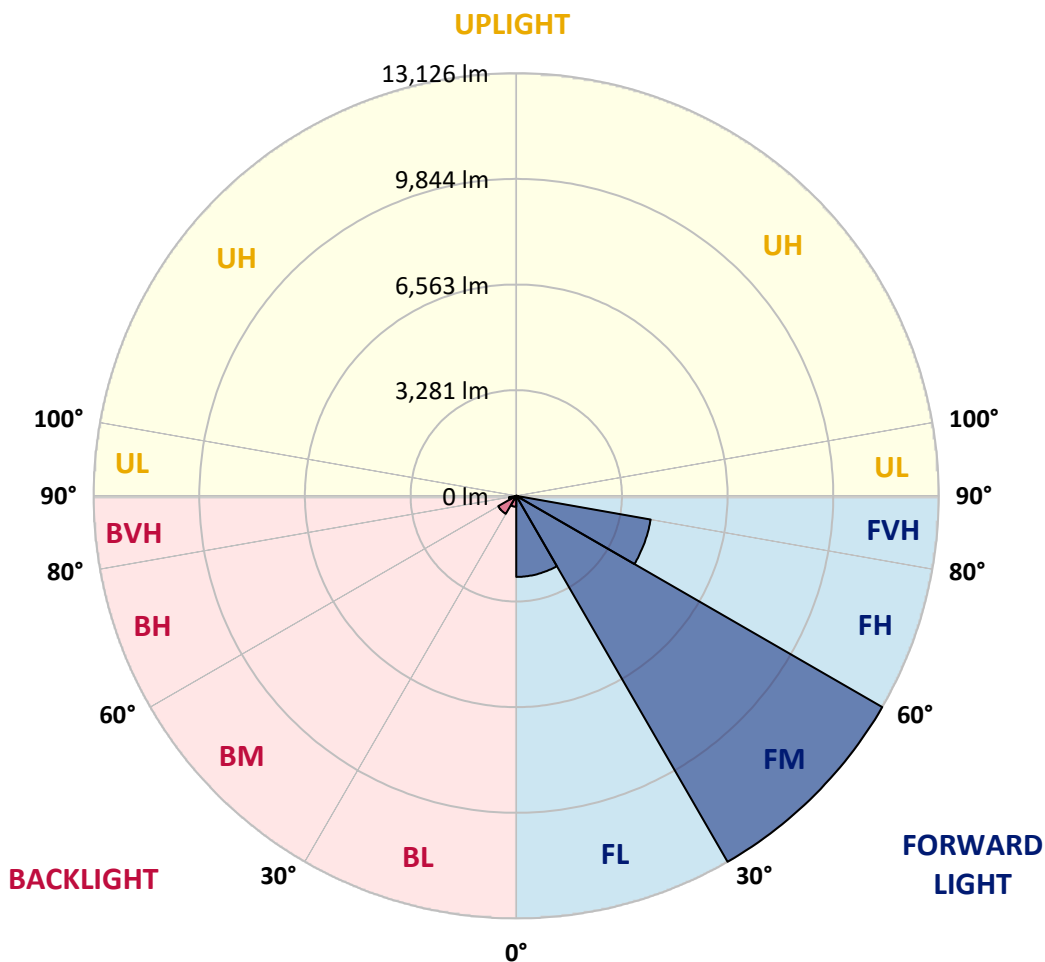


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2519.3	11.9			
FM (30°-60°)	13125.7	62.1			
FH (60°-80°)	4240.4	20.0			G2/5000
FVH (80°-90°)	47.4	0.2			G1/100
BL (0°-30°)	340.8	1.6	B1/500		
BM (30°-60°)	645.9	3.1	B1/1000		
BH (60°-80°)	229.1	1.1	B1/500		G1/500
BVH (80°-90°)	4.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5
2.5°	2592.3	2568.9	2522.2	2506.1	2437.5	2330.8	2237.4	2111.8	2012.5	2002.3	1882.5
5°	3471.4	3418.9	3397.0	3291.8	3126.8	2972.0	2706.2	2504.7	2272.4	2254.9	2014.0
7.5°	4318.6	4245.5	4223.6	4124.3	3931.5	3687.6	3342.9	2976.3	2608.3	2574.7	2190.7
10°	4931.9	4942.1	4902.7	4837.0	4680.7	4432.4	4007.5	3506.5	2982.2	2939.9	2389.2
12.5°	5371.5	5370.0	5377.3	5375.9	5292.6	5104.2	4657.4	4080.4	3394.1	3310.8	2617.1
15°	5657.7	5662.1	5684.0	5760.0	5768.8	5651.9	5279.5	4629.6	3871.6	3768.0	2863.9
17.5°	5946.9	5977.6	6012.7	6084.2	6148.4	6101.7	5838.8	5202.1	4303.9	4226.5	3128.2
20°	6424.5	6466.8	6446.4	6490.2	6523.8	6528.2	6325.2	5730.8	4828.2	4698.2	3430.6
22.5°	7188.3	7186.8	7134.2	7055.4	6989.7	6986.8	6802.7	6274.0	5304.4	5178.8	3734.4
25°	8153.6	8158.0	8055.8	7830.9	7667.3	7467.2	7255.4	6750.2	5814.0	5659.2	4054.2
27.5°	9260.6	9232.9	9078.1	8768.5	8444.3	8102.6	7797.3	7303.7	6354.4	6225.9	4420.7
30°	10255.2	10245.0	10063.9	9685.6	9259.2	8916.0	8473.5	7997.4	7054.0	6896.2	4831.1
32.5°	11181.2	11195.7	10944.5	10553.1	10141.3	9745.5	9278.2	8660.4	7740.3	7516.9	5278.0
35°	11904.0	11918.7	11658.7	11333.0	10909.5	10580.9	10135.5	9367.3	8418.0	8229.6	5792.1
37.5°	12289.6	12308.6	12158.2	11912.8	11648.5	11483.5	11068.6	10277.1	9241.7	9127.7	6399.6
40°	12362.6	12384.6	12318.8	12253.1	12238.5	12356.8	12235.5	11349.1	10383.8	10205.5	7305.2
42.5°	12143.5	12172.8	12202.0	12348.1	12645.9	13079.7	13501.7	12803.7	11854.4	11614.9	8412.2
45°	11568.1	11565.2	11680.6	12058.8	12726.3	13652.2	14824.9	14624.9	13858.2	13573.3	9976.3
47.5°	10583.8	10569.2	10818.9	11357.9	12397.7	13757.4	15904.2	16836.0	16415.4	16152.5	11657.2
50°	9084.0	9155.5	9548.4	10300.5	11581.3	13438.9	16237.1	18286.2	18514.0	18235.1	13015.4
52.5°	7327.0	7324.1	7940.4	8961.3	10372.1	12738.0	16005.0	18549.0	19196.0	18982.8	13684.3
55°	5422.6	5460.6	6101.7	7131.3	8802.1	11458.7	15247.0	18278.9	19456.0	19305.6	14125.4
57°	4033.7	4100.9	4615.0	5704.5	7435.1	10192.4	14237.8	17795.5	19558.2	19476.4	14491.9
57.5°	3765.1	3768.0	4268.8	5259.0	7034.9	9706.1	13948.7	17593.9	19555.3	19510.0	14551.8
60°	2317.8	2390.7	2736.9	3554.7	5149.5	7575.3	12010.7	16435.8	19403.4	19469.1	14807.4
62.5°	1387.4	1418.1	1643.0	2142.4	3319.6	5529.2	9828.8	14953.4	19007.6	19207.7	14789.9
65°	892.3	899.7	1001.8	1296.9	2075.3	3737.3	7573.9	12995.0	17983.9	18351.9	14211.5
67.5°	689.4	701.0	741.9	851.4	1203.4	2327.9	5356.9	10905.1	16327.7	16802.4	12809.5
70°	611.9	617.8	632.4	667.4	795.9	1314.4	3332.8	8518.7	13539.7	13674.1	10024.4
72.5°	499.5	515.5	560.8	572.5	630.9	820.7	1854.8	5717.6	9097.1	9130.6	5608.1
75°	387.0	389.9	457.1	490.7	531.6	565.2	828.1	2882.9	4369.6	4136.0	2161.5
77.5°	289.2	302.3	333.0	375.4	433.8	404.6	371.0	1086.6	1356.8	1331.9	628.0
80°	185.5	192.8	232.2	281.9	337.4	264.3	208.8	318.4	297.9	306.7	150.4
82.5°	93.5	94.9	148.9	229.3	214.7	132.9	131.5	130.0	111.0	109.5	70.1
85°	10.3	21.9	96.4	131.5	96.4	43.8	61.3	59.9	58.4	59.9	40.9
87.5°	1.5	1.5	16.1	18.9	13.2	14.6	17.5	18.9	23.3	21.9	17.5
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°	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5	1771.5
2.5°	1824.1	1765.7	1657.6	1553.9	1476.5	1426.9	1362.6	1339.2	1305.7	1301.3	1285.2
5°	1902.9	1792.0	1603.6	1454.6	1334.9	1244.3	1165.4	1099.7	1047.1	1035.4	1041.3
7.5°	2015.4	1850.4	1587.5	1384.5	1218.0	1063.2	937.6	860.2	804.7	784.3	787.1
10°	2142.4	1927.7	1584.6	1310.0	1055.9	866.1	728.7	660.1	628.0	616.3	603.1
12.5°	2292.9	2016.9	1577.3	1194.6	877.7	690.8	593.0	552.0	521.4	512.6	512.6
15°	2462.3	2111.8	1542.2	1051.5	712.7	571.0	505.3	473.2	463.0	454.2	454.2
17.5°	2639.0	2205.2	1469.2	874.8	591.5	489.2	448.3	429.4	414.8	404.6	404.6
20°	2840.6	2297.2	1352.4	718.6	499.5	436.7	404.6	382.7	371.0	362.2	359.2
22.5°	3031.9	2371.8	1203.4	590.0	435.2	392.8	363.6	340.3	328.6	324.2	324.2
25°	3230.5	2417.0	1023.8	487.8	397.2	356.3	324.2	305.2	295.0	292.1	290.6
27.5°	3423.3	2443.4	866.1	426.4	362.2	322.8	292.1	277.5	267.2	264.3	265.8
30°	3656.9	2447.7	712.7	382.7	331.5	290.6	262.9	249.7	243.9	241.0	239.5
32.5°	3893.5	2441.9	598.8	356.3	302.3	262.9	239.5	229.3	224.9	220.5	220.5
35°	4159.4	2411.2	509.7	330.0	274.6	239.5	219.1	210.3	204.4	200.1	198.6
37.5°	4489.4	2395.1	458.6	300.8	249.7	217.6	198.6	189.9	185.5	179.6	178.2
40°	5009.3	2466.7	442.6	274.6	224.9	197.2	179.6	169.4	163.6	157.7	156.3
42.5°	5657.7	2592.3	416.2	248.3	203.0	178.2	160.7	148.9	138.7	131.5	128.5
45°	6497.5	2757.3	375.4	220.5	184.0	157.7	141.6	127.1	113.9	108.1	106.6
47.5°	7378.1	2916.5	338.8	198.6	163.6	140.2	122.7	106.6	94.9	90.5	89.1
50°	7918.5	2948.6	315.5	173.8	143.1	121.2	103.7	89.1	81.8	77.4	77.4
52.5°	8165.4	2897.5	283.3	151.9	124.1	106.6	89.1	77.4	73.1	70.1	68.7
55°	8337.6	2818.6	241.0	131.5	106.6	90.5	78.8	70.1	64.3	61.3	59.9
57°	8438.4	2712.1	208.8	115.3	92.0	78.8	70.1	62.8	56.9	51.1	51.1
57.5°	8442.8	2671.1	200.1	113.9	87.6	76.0	68.7	61.3	54.0	48.2	46.7
60°	8312.8	2390.7	160.7	96.4	70.1	64.3	56.9	48.2	38.0	32.1	30.7
62.5°	7895.1	2034.4	132.9	81.8	56.9	49.6	40.9	36.5	26.3	18.9	18.9
65°	7262.8	1650.3	113.9	65.7	46.7	36.5	27.7	26.3	16.1	8.8	7.3
67.5°	6348.6	1285.2	96.4	54.0	39.5	26.3	18.9	17.5	8.8	2.9	0.0
70°	4837.0	876.3	80.3	43.8	29.2	18.9	13.2	10.3	5.9	1.5	0.0
72.5°	2787.9	481.9	67.2	33.6	21.9	14.6	10.3	5.9	5.9	0.0	0.0
75°	996.1	207.4	51.1	24.8	17.5	11.7	7.3	2.9	4.4	1.5	0.0
77.5°	316.9	111.0	33.6	18.9	14.6	8.8	5.9	2.9	2.9	1.5	0.0
80°	93.5	58.4	20.4	16.1	10.3	7.3	4.4	1.5	2.9	1.5	0.0
82.5°	51.1	29.2	16.1	11.7	10.3	5.9	4.4	1.5	1.5	1.5	0.0
85°	26.3	17.5	13.2	11.7	10.3	5.9	4.4	1.5	0.0	1.5	1.5
87.5°	14.6	13.2	13.2	11.7	10.3	7.3	4.4	1.5	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)