

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: P323572

Luminaire Tested: **GAN-SA8C-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323572
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-SA8C-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1050mA 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: 48427 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

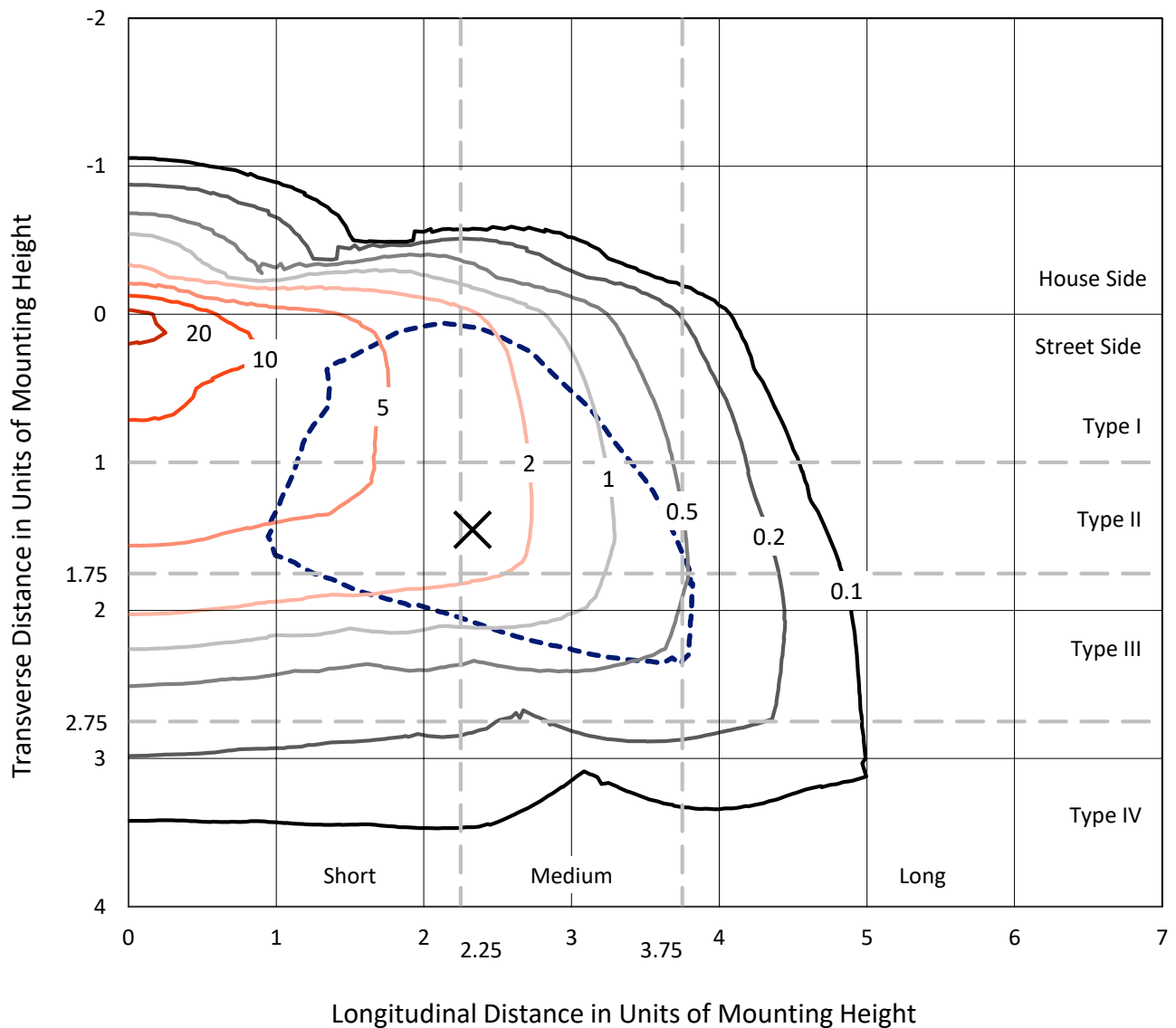
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

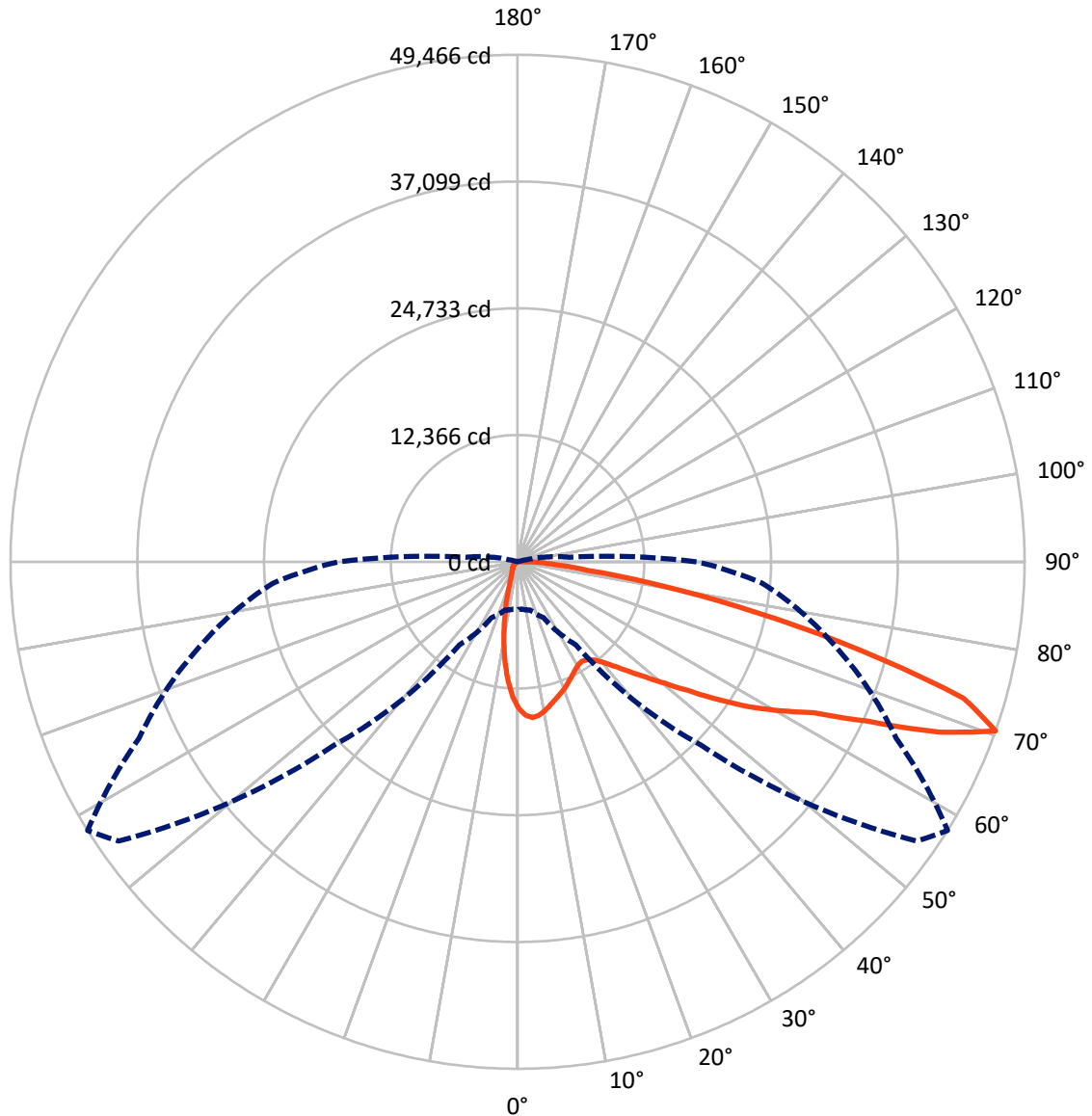
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.2 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	4144.3	0.0	4144.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	44282.7	0.0	44282.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	48427.0	0.0	48427.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1169.8	2.4
10°-20°	2455.1	5.1
20°-30°	3227.6	6.7
30°-40°	4274.6	8.8
40°-50°	6389.3	13.2
50°-60°	10235.4	21.1
60°-70°	12901.6	26.6
70°-80°	6959.0	14.4
80°-90°	814.6	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°	48427.0	100.0
0°-180°	48427.0	100.0

Coefficient of Utilization

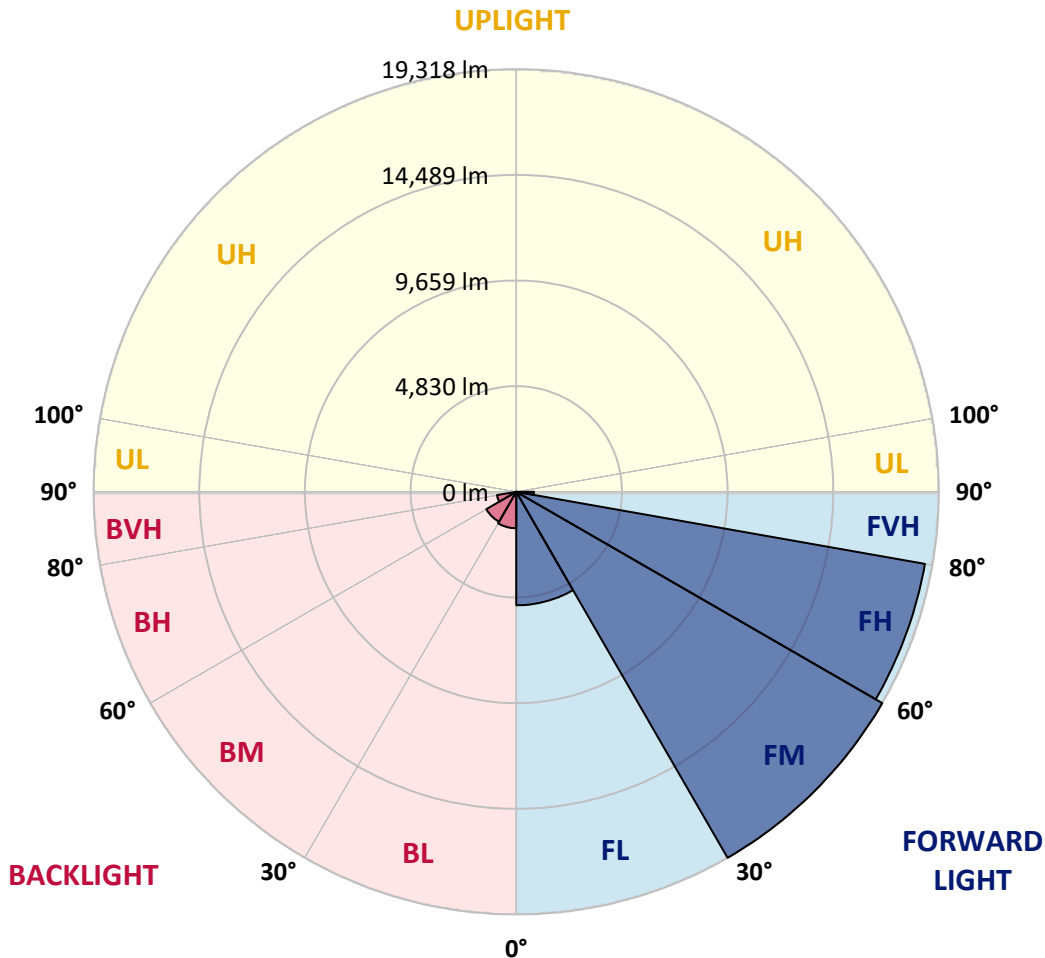


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5187.5	10.7			
FM (30°-60°)	19318.3	39.9			
FH (60°-80°)	18969.4	39.2			G5
FVH (80°-90°)	807.5	1.7			G5
BL (0°-30°)	1665.0	3.4	B3/2500		
BM (30°-60°)	1581.0	3.3	B2/2500		
BH (60°-80°)	891.2	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.0	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°	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1
2.5°	15491.2	15452.9	15438.8	15414.6	15322.0	15231.4	15052.2	15001.8	14889.1	14621.3	14337.3
5°	15503.2	15501.2	15543.5	15533.4	15501.2	15458.9	15330.1	15263.6	15072.3	14689.7	14170.2
7.5°	14756.2	14794.4	14889.1	14965.6	15054.2	15169.0	15185.1	15120.6	14963.6	14550.8	13862.1
10°	13753.4	13813.8	13946.7	14097.7	14329.3	14558.8	14764.2	14756.2	14701.8	14295.0	13491.6
12.5°	12748.5	12819.0	12972.1	13195.6	13523.8	13898.3	14264.8	14315.2	14405.8	14065.5	13149.3
15°	11868.6	11929.0	12080.0	12353.9	12760.6	13264.0	13801.7	13894.3	14127.9	13886.3	12863.3
17.5°	11121.5	11159.8	11270.5	11574.6	12045.8	12655.9	13354.7	13535.9	13884.2	13745.3	12615.6
20°	10600.0	10606.0	10678.5	10891.9	11363.1	12045.8	12891.5	13151.3	13626.5	13624.5	12359.9
22.5°	10342.2	10322.1	10336.2	10459.0	10805.3	11463.8	12428.4	12736.5	13394.9	13521.8	12100.1
25°	10293.9	10277.8	10237.5	10253.6	10463.0	10954.4	11961.2	12317.6	13191.5	13459.4	11874.6
27.5°	10444.9	10461.0	10392.5	10320.1	10336.2	10624.1	11546.4	11959.2	13026.4	13459.4	11715.5
30°	10749.0	10757.0	10706.7	10612.0	10485.2	10531.5	11258.4	11671.2	12943.9	13552.0	11614.8
32.5°	11085.2	11129.6	11123.5	11047.0	10865.8	10678.5	11190.0	11566.5	12937.8	13757.4	11604.8
35°	11502.1	11552.4	11637.0	11620.9	11431.6	11123.5	11423.5	11719.6	13056.6	14095.7	11713.5
37.5°	11945.1	12021.6	12202.8	12289.4	12166.6	11818.2	11947.1	12158.5	13374.8	14643.4	11989.4
40°	12374.0	12460.6	12790.8	13131.1	13038.5	12680.1	12740.5	12909.6	13940.6	15430.7	12512.9
42.5°	12794.9	12923.7	13409.0	13968.8	14079.6	13793.6	13825.9	13960.8	14780.3	16514.1	13368.8
45°	13298.3	13443.3	14162.1	14852.8	15148.8	15024.0	15160.9	15249.5	15877.8	17945.8	14522.6
47.5°	14037.3	14204.4	15086.4	15873.8	16393.3	16473.8	16749.7	16808.1	17265.2	19613.1	16026.8
50°	15479.1	15525.4	16322.8	17037.7	17786.7	18270.0	18584.2	18628.5	18944.6	21435.5	17905.5
52.5°	17293.4	17323.6	17774.7	18253.9	19105.7	20092.4	20827.4	20889.8	20956.3	23211.6	19760.1
55°	19095.6	19091.6	19389.6	19671.5	20646.2	22079.9	23674.7	23713.0	23235.7	24897.0	21177.8
57.5°	20221.3	20330.0	20783.1	21145.5	22506.8	24345.3	26558.3	26699.2	25630.0	26145.5	22579.3
60°	19862.8	19915.2	20920.0	22261.1	24824.5	27565.1	29476.1	29512.3	27430.2	27391.9	24351.3
62.5°	16922.9	16951.1	18529.8	21294.6	25998.5	31741.5	32996.0	32406.0	29500.3	29121.7	26471.7
65°	11598.7	11782.0	13100.9	16518.1	23841.8	34361.3	38445.0	37468.3	32655.7	31614.6	28388.7
67.5°	6830.4	6792.1	7444.5	9961.6	17510.9	32621.4	45337.8	44367.2	36958.9	33283.9	27826.9
70°	4665.7	4639.5	4889.2	6030.9	9885.1	25305.8	47506.5	49465.8	40758.7	32160.3	23948.6
72.5°	3330.6	3344.7	3713.2	4685.8	6206.1	14744.1	40853.3	45490.8	39568.6	28036.3	18203.6
75°	2261.4	2299.6	2827.2	3844.1	5440.9	7500.9	28990.8	34580.7	32220.7	20376.3	10463.0
77.5°	1216.3	1258.5	1880.8	3097.0	4919.4	5211.4	18648.6	23799.6	20239.4	9160.2	3032.6
80°	507.4	531.6	880.0	2251.3	4250.9	4577.1	10972.5	14432.0	8624.5	1806.3	676.6
82.5°	219.5	231.6	366.5	1343.1	3177.6	3864.2	5809.4	6943.1	2613.7	396.7	340.3
85°	42.3	44.3	151.0	710.8	2027.8	2180.8	3765.6	3691.1	1174.0	171.2	247.7
87.5°	0.0	0.0	36.2	223.5	596.0	1188.1	2297.6	2269.4	398.7	82.6	92.6
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°	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1	14305.1
2.5°	14192.3	14053.4	13761.4	13401.0	13125.1	12821.0	12579.4	12273.3	12140.4	12146.5	12074.0
5°	13874.2	13588.2	12941.9	12126.3	11498.1	10849.7	10291.9	9736.1	9407.9	9301.1	9200.5
7.5°	13419.1	12966.0	11935.0	10678.5	9615.3	8576.2	7672.1	6876.7	6373.3	6127.6	6037.0
10°	12905.6	12269.3	10777.2	9121.9	7603.6	6198.1	5026.1	4007.2	3600.4	3324.6	3254.1
12.5°	12454.5	11592.7	9645.5	7525.1	5722.8	4027.3	2909.8	2275.4	1999.6	1890.8	1872.7
15°	12029.7	10960.4	8556.1	6079.3	3962.9	2478.8	1850.6	1635.1	1570.7	1552.5	1552.5
17.5°	11628.9	10358.3	7490.8	4655.6	2621.8	1737.8	1532.4	1484.1	1463.9	1461.9	1463.9
20°	11210.1	9756.2	6443.7	3411.2	1830.4	1472.0	1415.6	1389.4	1383.4	1383.4	1383.4
22.5°	10809.4	9154.1	5424.8	2436.5	1468.0	1343.1	1314.9	1296.8	1290.8	1288.7	1284.7
25°	10424.8	8582.3	4430.1	1721.7	1288.7	1230.4	1206.2	1182.0	1163.9	1153.8	1147.8
27.5°	10108.6	8072.8	3503.8	1381.4	1163.9	1113.6	1083.4	1047.1	1002.8	982.7	974.6
30°	9856.9	7607.6	2700.3	1165.9	1047.1	996.8	950.5	888.0	823.6	789.4	787.3
32.5°	9659.6	7150.5	2049.9	1031.0	942.4	880.0	813.5	735.0	660.5	622.2	620.2
35°	9562.9	6747.8	1566.6	932.3	849.8	771.2	688.7	602.1	529.6	493.3	489.3
37.5°	9627.4	6407.5	1222.3	849.8	771.2	680.6	584.0	493.3	428.9	396.7	394.7
40°	9863.0	6190.0	992.7	779.3	704.8	594.0	489.3	404.7	350.4	324.2	322.2
42.5°	10364.4	6109.5	847.8	720.9	640.3	513.5	406.8	334.3	283.9	265.8	261.8
45°	11202.0	6228.3	749.1	664.5	573.9	437.0	336.3	273.9	229.6	215.5	213.4
47.5°	12317.6	6540.4	678.6	610.1	513.5	368.5	279.9	221.5	187.3	173.2	171.2
50°	13755.4	7035.8	620.2	555.8	457.1	312.1	231.6	175.2	145.0	134.9	134.9
52.5°	15320.0	7625.8	567.9	505.4	400.7	259.8	187.3	134.9	114.8	102.7	102.7
55°	16612.8	8141.3	511.5	467.2	332.3	215.5	143.0	102.7	84.6	78.5	78.5
57.5°	17903.5	8691.0	447.0	400.7	265.8	175.2	108.7	76.5	62.4	58.4	58.4
60°	19576.9	9363.6	384.6	326.2	209.4	132.9	80.5	54.4	46.3	44.3	44.3
62.5°	21417.4	9758.2	328.2	261.8	163.1	98.7	58.4	36.2	34.2	34.2	32.2
65°	22543.0	9200.5	275.9	209.4	126.9	74.5	38.3	26.2	30.2	28.2	24.2
67.5°	21107.3	7202.9	225.5	163.1	98.7	56.4	24.2	18.1	32.2	26.2	20.1
70°	17476.6	5042.2	175.2	114.8	78.5	48.3	16.1	12.1	34.2	26.2	16.1
72.5°	13078.8	3374.9	138.9	76.5	58.4	42.3	14.1	6.0	30.2	22.2	14.1
75°	7146.5	1359.2	110.8	48.3	36.2	30.2	10.1	4.0	20.1	16.1	10.1
77.5°	1880.8	358.4	80.5	32.2	20.1	12.1	6.0	2.0	10.1	8.1	4.0
80°	479.3	138.9	52.4	22.2	14.1	6.0	0.0	0.0	2.0	0.0	0.0
82.5°	255.7	58.4	32.2	16.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	193.3	38.3	18.1	10.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	74.5	12.1	6.0	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)