

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: P323571

Luminaire Tested: **GAN-SA7C-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323571
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-SA7C-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 42740 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

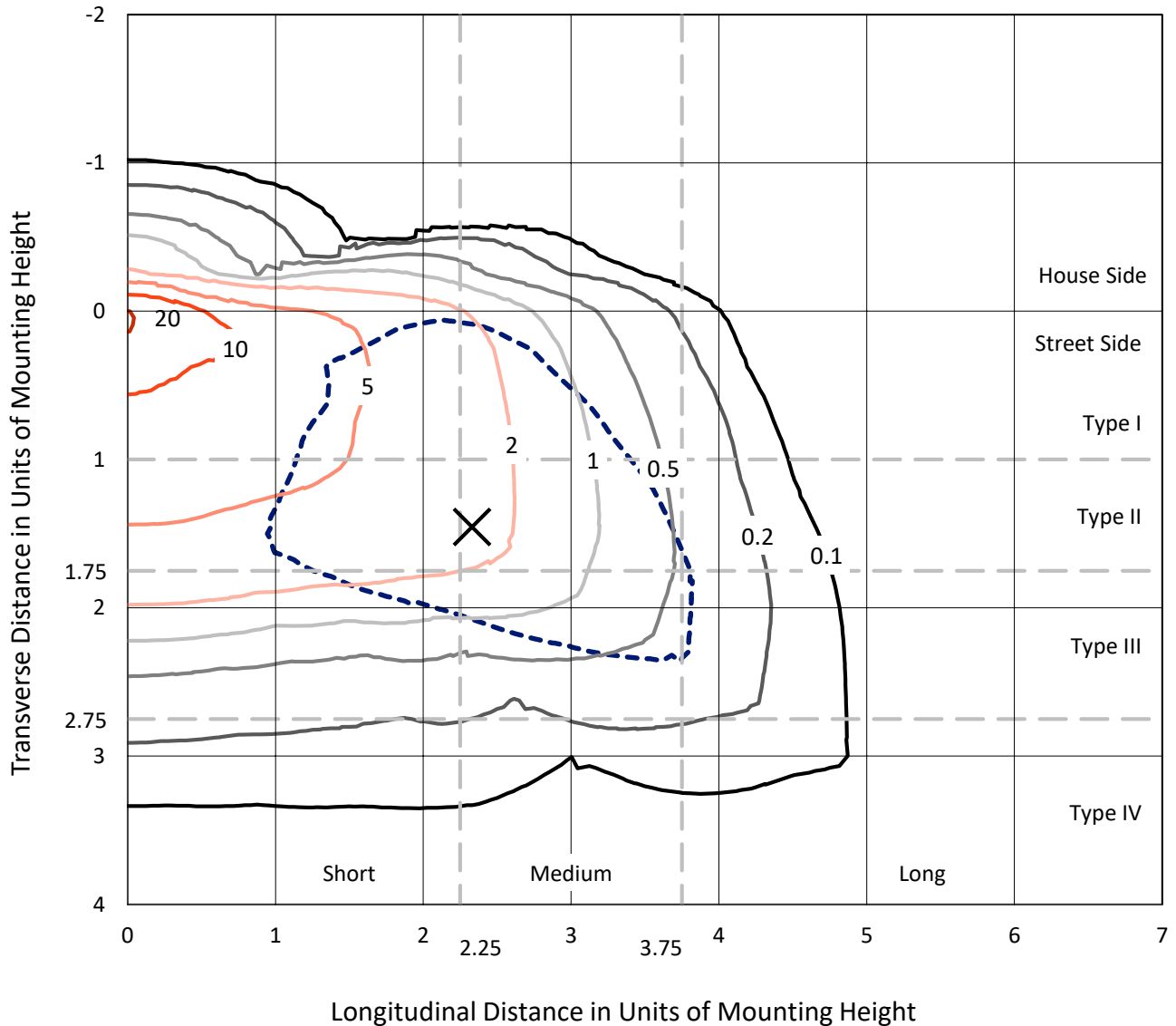
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

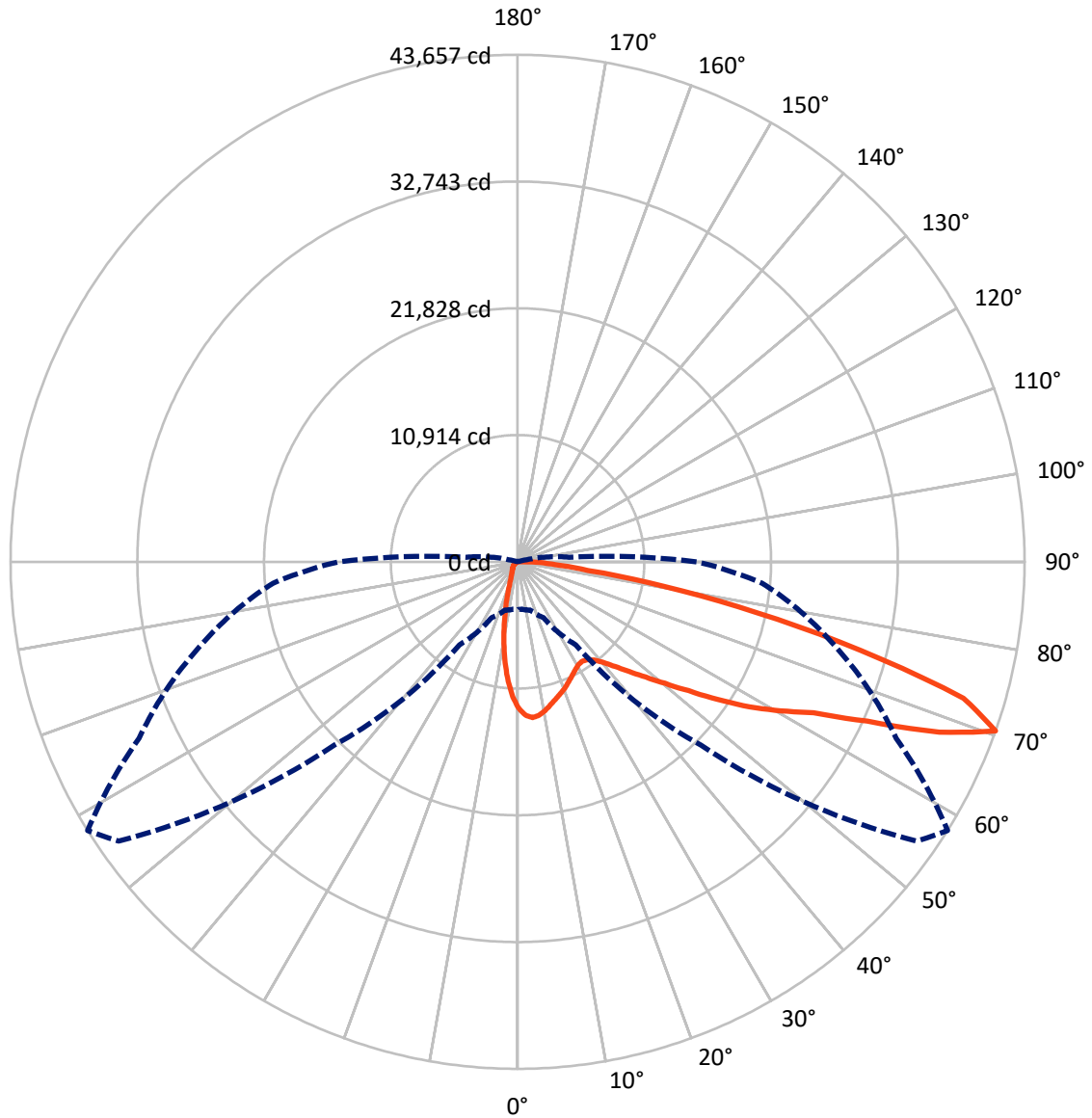
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.5 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	3657.6	0.0	3657.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	39082.4	0.0	39082.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	42740.0	0.0	42740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.4	2.4
10°-20°	2166.8	5.1
20°-30°	2848.6	6.7
30°-40°	3772.6	8.8
40°-50°	5638.9	13.2
50°-60°	9033.4	21.1
60°-70°	11386.5	26.6
70°-80°	6141.8	14.4
80°-90°	718.9	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°	42740.0	100.0
0°-180°	42740.0	100.0

Coefficient of Utilization

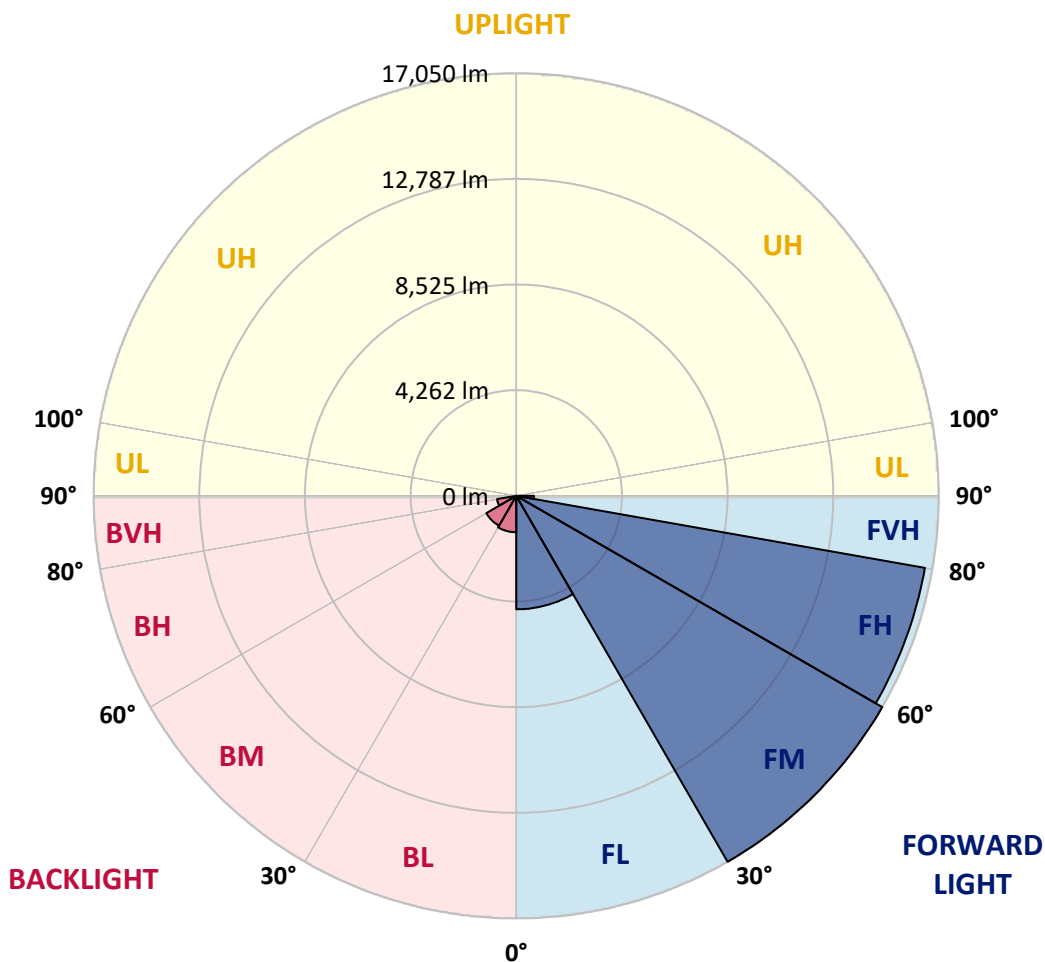


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4578.3	10.7			
FM (30°-60°)	17049.6	39.9			
FH (60°-80°)	16741.7	39.2			G5
FVH (80°-90°)	712.7	1.7			G4/750
BL (0°-30°)	1469.5	3.4	B3/2500		
BM (30°-60°)	1395.3	3.3	B2/2500		
BH (60°-80°)	786.6	1.8	B2/1000		G2/1000
BVH (80°-90°)	6.2	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°	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2
2.5°	13672.0	13638.2	13625.8	13604.4	13522.7	13442.7	13284.5	13240.1	13140.6	12904.2	12653.6
5°	13682.6	13680.8	13718.2	13709.3	13680.8	13643.5	13529.8	13471.1	13302.3	12964.6	12506.1
7.5°	13023.3	13057.1	13140.6	13208.1	13286.3	13387.6	13401.8	13345.0	13206.3	12842.0	12234.2
10°	12138.2	12191.6	12308.9	12442.1	12646.5	12849.1	13030.4	13023.3	12975.3	12616.3	11907.2
12.5°	11251.4	11313.6	11448.7	11646.0	11935.6	12266.2	12589.6	12634.1	12714.1	12413.7	11605.1
15°	10474.8	10528.1	10661.4	10903.1	11262.1	11706.4	12180.9	12262.6	12468.8	12255.5	11352.7
17.5°	9815.4	9849.2	9947.0	10215.3	10631.2	11169.7	11786.4	11946.3	12253.8	12131.1	11134.1
20°	9355.2	9360.5	9424.5	9612.8	10028.7	10631.2	11377.6	11606.9	12026.3	12024.5	10908.4
22.5°	9127.7	9109.9	9122.3	9230.8	9536.4	10117.6	10968.8	11240.8	11821.9	11933.9	10679.2
25°	9085.0	9070.8	9035.3	9049.5	9234.3	9667.9	10556.5	10871.1	11642.4	11878.8	10480.1
27.5°	9218.3	9232.5	9172.1	9108.1	9122.3	9376.5	10190.4	10554.8	11496.7	11878.8	10339.7
30°	9486.7	9493.8	9449.3	9365.8	9253.9	9294.7	9936.3	10300.6	11423.8	11960.5	10250.9
32.5°	9783.5	9822.6	9817.2	9749.7	9589.7	9424.5	9875.9	10208.2	11418.5	12141.8	10242.0
35°	10151.3	10195.8	10270.4	10256.2	10089.1	9817.2	10082.0	10343.3	11523.3	12440.4	10337.9
37.5°	10542.3	10609.9	10769.8	10846.2	10737.8	10430.4	10544.1	10730.7	11804.1	12923.8	10581.4
40°	10920.9	10997.3	11288.7	11589.1	11507.3	11191.0	11244.3	11393.6	12303.5	13618.6	11043.5
42.5°	11292.3	11406.0	11834.3	12328.4	12426.1	12173.8	12202.2	12321.3	13044.6	14574.8	11798.8
45°	11736.6	11864.6	12499.0	13108.6	13369.8	13259.7	13380.5	13458.7	14013.2	15838.4	12817.1
47.5°	12388.8	12536.3	13314.7	14009.6	14468.1	14539.2	14782.7	14834.2	15237.7	17309.9	14144.7
50°	13661.3	13702.2	14405.9	15036.8	15698.0	16124.5	16401.7	16440.8	16719.9	18918.2	15802.8
52.5°	15262.6	15289.2	15687.3	16110.3	16862.0	17732.9	18381.5	18436.6	18495.3	20485.7	17439.6
55°	16853.1	16849.6	17112.6	17361.4	18221.6	19486.9	20894.5	20928.2	20507.1	21973.2	18690.8
57.5°	17846.6	17942.6	18342.4	18662.3	19863.7	21486.3	23439.4	23563.8	22620.1	23075.1	19927.7
60°	17530.3	17576.5	18463.3	19646.9	21909.3	24328.0	26014.6	26046.6	24209.0	24175.2	21491.6
62.5°	14935.5	14960.4	16353.7	18793.8	22945.4	28013.9	29121.1	28600.4	26035.9	25701.8	23363.0
65°	10236.6	10398.4	11562.4	14578.3	21042.0	30326.1	33930.2	33068.3	28820.8	27902.0	25054.9
67.5°	6028.2	5994.5	6570.3	8791.8	15454.5	28790.6	40013.5	39156.9	32618.6	29375.3	24559.1
70°	4117.8	4094.7	4315.0	5322.7	8724.3	22334.0	41927.6	43656.8	35972.2	28383.6	21136.2
72.5°	2939.5	2951.9	3277.1	4135.5	5477.3	13012.6	36055.7	40148.6	34921.9	24743.9	16065.8
75°	1995.8	2029.6	2495.2	3392.7	4802.0	6620.1	25586.3	30519.8	28436.9	17983.4	9234.3
77.5°	1073.4	1110.7	1659.9	2733.3	4341.7	4599.4	16458.6	21004.7	17862.6	8084.5	2676.5
80°	447.9	469.2	776.6	1986.9	3751.7	4039.6	9683.9	12737.2	7611.7	1594.1	597.1
82.5°	193.7	204.4	323.4	1185.4	2804.4	3410.4	5127.2	6127.8	2306.8	350.1	300.3
85°	37.3	39.1	133.3	627.3	1789.6	1924.7	3323.4	3257.6	1036.1	151.1	218.6
87.5°	0.0	0.0	32.0	197.3	526.0	1048.5	2027.8	2002.9	351.9	72.9	81.8
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°	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2	12625.2
2.5°	12525.7	12403.0	12145.4	11827.2	11583.8	11315.4	11102.1	10832.0	10714.7	10720.0	10656.1
5°	12244.9	11992.5	11422.0	10702.3	10147.8	9575.5	9083.2	8592.7	8303.1	8208.9	8120.0
7.5°	11843.2	11443.4	10533.4	9424.5	8486.1	7569.1	6771.1	6069.1	5624.8	5408.0	5328.0
10°	11390.0	10828.4	9511.5	8050.7	6710.7	5470.2	4435.9	3536.6	3177.6	2934.1	2871.9
12.5°	10992.0	10231.3	8512.8	6641.4	5050.8	3554.4	2568.0	2008.2	1764.8	1668.8	1652.8
15°	10617.0	9673.3	7551.3	5365.4	3497.5	2187.7	1633.2	1443.1	1386.2	1370.2	1370.2
17.5°	10263.3	9141.9	6611.2	4108.9	2313.9	1533.7	1352.4	1309.8	1292.0	1290.2	1292.0
20°	9893.6	8610.5	5687.0	3010.6	1615.5	1299.1	1249.4	1226.3	1220.9	1220.9	1220.9
22.5°	9540.0	8079.1	4787.8	2150.4	1295.6	1185.4	1160.5	1144.5	1139.2	1137.4	1133.9
25°	9200.5	7574.4	3909.8	1519.5	1137.4	1085.9	1064.5	1043.2	1027.2	1018.3	1013.0
27.5°	8921.5	7124.8	3092.3	1219.2	1027.2	982.8	956.1	924.1	885.0	867.3	860.2
30°	8699.4	6714.2	2383.2	1029.0	924.1	879.7	838.8	783.7	726.9	696.7	694.9
32.5°	8525.2	6310.8	1809.2	909.9	831.7	776.6	718.0	648.7	582.9	549.2	547.4
35°	8439.9	5955.4	1382.7	822.8	750.0	680.7	607.8	531.4	467.4	435.4	431.9
37.5°	8496.8	5655.0	1078.8	750.0	680.7	600.7	515.4	435.4	378.5	350.1	348.3
40°	8704.7	5463.1	876.2	687.8	622.0	524.3	431.9	357.2	309.2	286.1	284.4
42.5°	9147.2	5392.0	748.2	636.2	565.1	453.2	359.0	295.0	250.6	234.6	231.0
45°	9886.5	5496.9	661.1	586.5	506.5	385.7	296.8	241.7	202.6	190.2	188.4
47.5°	10871.1	5772.3	598.9	538.5	453.2	325.2	247.0	195.5	165.3	152.8	151.1
50°	12140.0	6209.5	547.4	490.5	403.4	275.5	204.4	154.6	128.0	119.1	119.1
52.5°	13520.9	6730.2	501.2	446.1	353.7	229.3	165.3	119.1	101.3	90.6	90.6
55°	14661.9	7185.2	451.4	412.3	293.2	190.2	126.2	90.6	74.6	69.3	69.3
57.5°	15801.0	7670.4	394.5	353.7	234.6	154.6	96.0	67.5	55.1	51.5	51.5
60°	17277.9	8264.0	339.4	287.9	184.8	117.3	71.1	48.0	40.9	39.1	39.1
62.5°	18902.2	8612.3	289.7	231.0	144.0	87.1	51.5	32.0	30.2	30.2	28.4
65°	19895.7	8120.0	243.5	184.8	112.0	65.8	33.8	23.1	26.7	24.9	21.3
67.5°	18628.6	6357.0	199.0	144.0	87.1	49.8	21.3	16.0	28.4	23.1	17.8
70°	15424.3	4450.1	154.6	101.3	69.3	42.7	14.2	10.7	30.2	23.1	14.2
72.5°	11542.9	2978.6	122.6	67.5	51.5	37.3	12.4	5.3	26.7	19.5	12.4
75°	6307.3	1199.6	97.7	42.7	32.0	26.7	8.9	3.6	17.8	14.2	8.9
77.5°	1659.9	316.3	71.1	28.4	17.8	10.7	5.3	1.8	8.9	7.1	3.6
80°	423.0	122.6	46.2	19.5	12.4	5.3	0.0	0.0	1.8	0.0	0.0
82.5°	225.7	51.5	28.4	14.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	170.6	33.8	16.0	8.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	65.8	10.7	5.3	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)