

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: P323252

Luminaire Tested: **GAN-SA8C-750-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8C-750-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46951 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

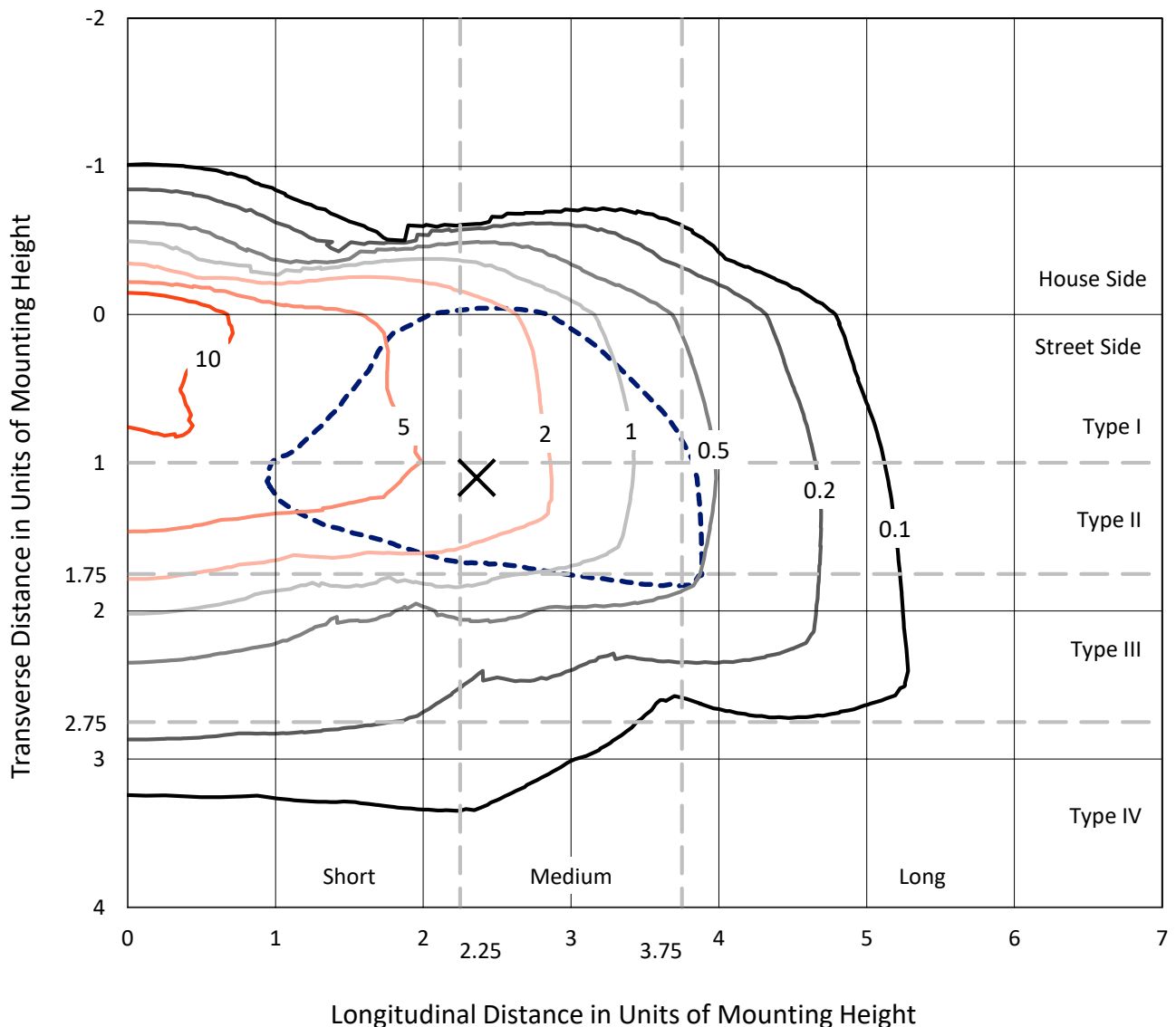
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

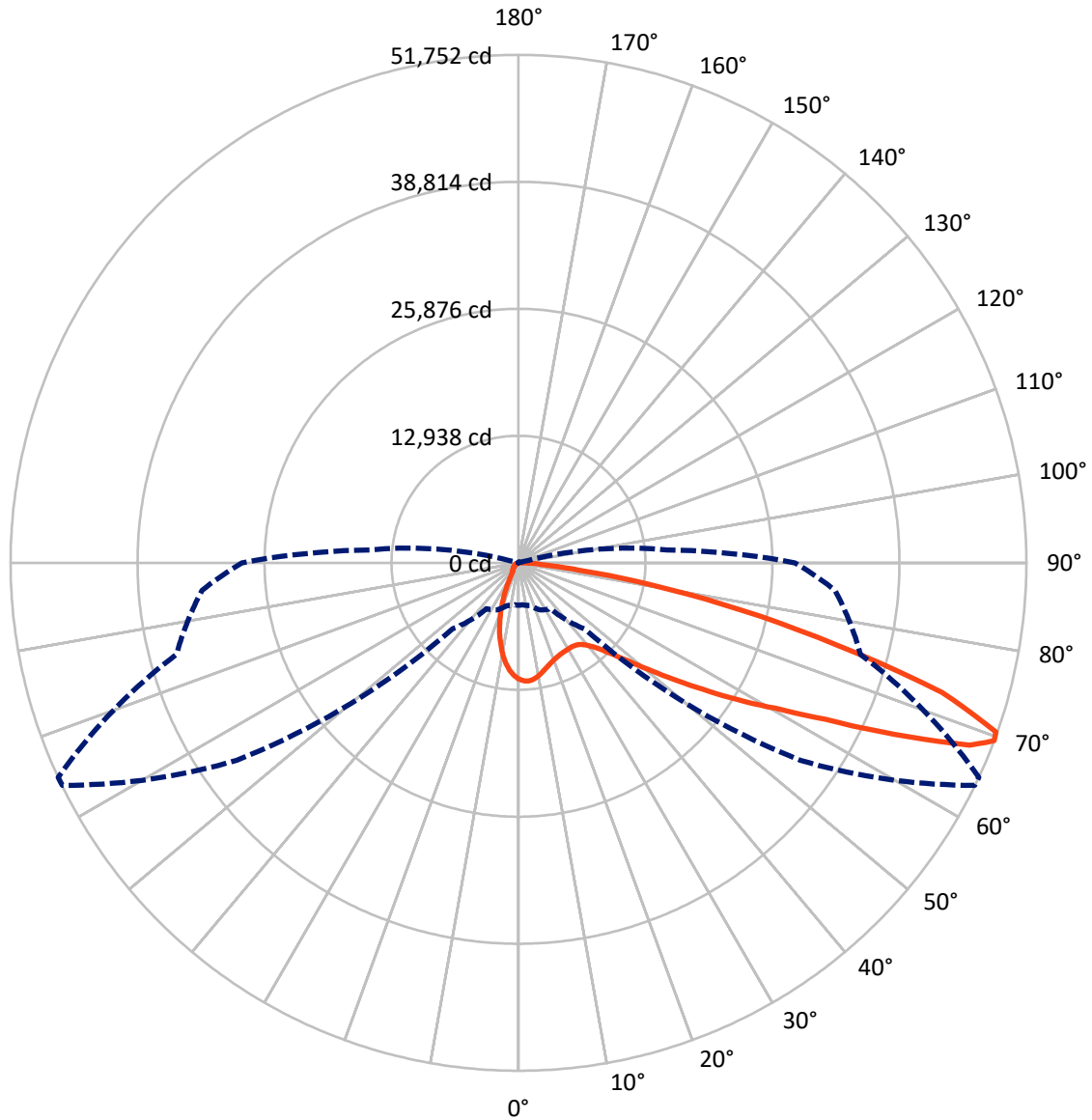
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5534.4	0.0	5534.4
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	41416.6	0.0	41416.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	46951.0	0.0	46951.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	992.1	2.1
10°-20°	2171.8	4.6
20°-30°	3008.0	6.4
30°-40°	4194.2	8.9
40°-50°	6519.1	13.9
50°-60°	10465.7	22.3
60°-70°	11838.4	25.2
70°-80°	6952.8	14.8
80°-90°	808.8	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°	46951.0	100.0
0°-180°	46951.0	100.0

**Coefficient of Utilization**

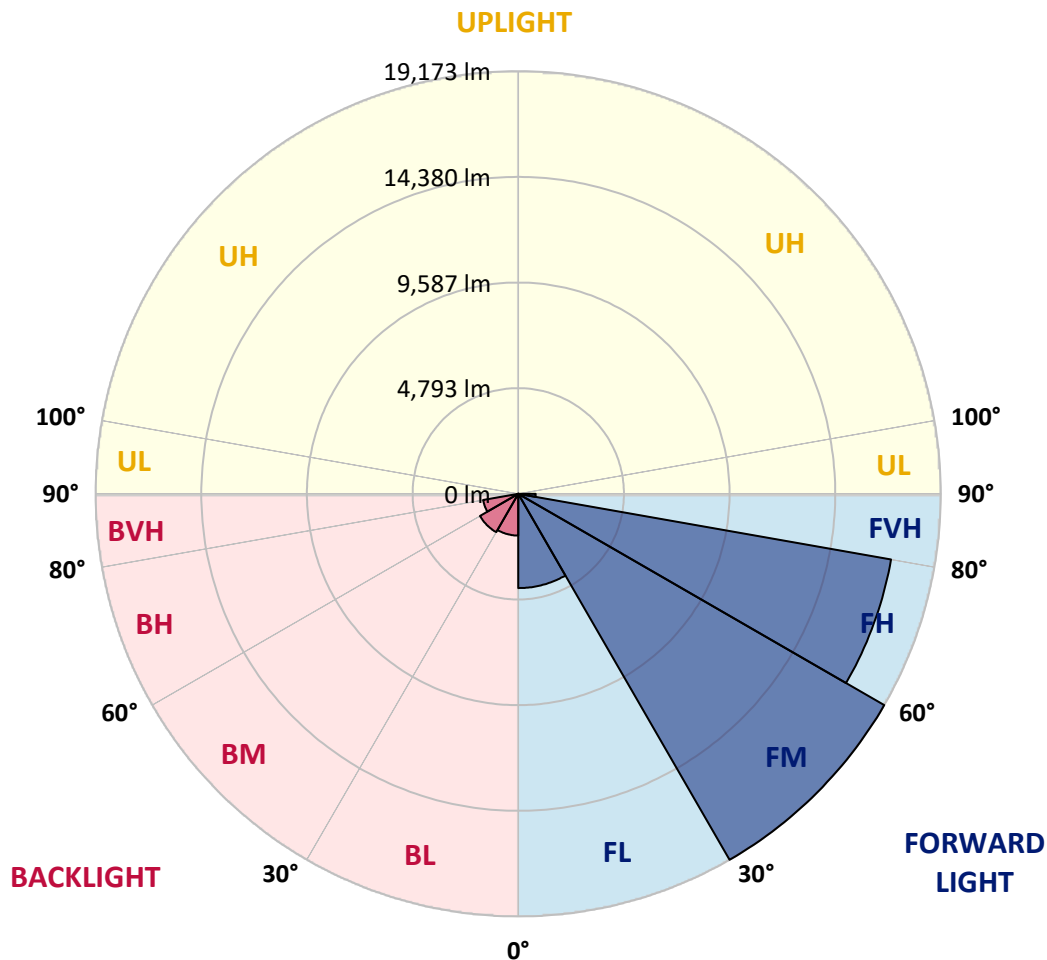


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4278.3	9.1			
FM (30°-60°)	19173.4	40.8			
FH (60°-80°)	17174.2	36.6			G5
FVH (80°-90°)	790.6	1.7			G5
BL (0°-30°)	1893.6	4.0	B3/2500		
BM (30°-60°)	2005.5	4.3	B2/2500		
BH (60°-80°)	1617.0	3.4	B3/2500		G3/2500
BVH (80°-90°)	18.2	0.0			G1/100
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°	64°	65°	75°	85°
0°	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6
2.5°	11969.9	11940.1	11963.9	12015.6	12041.4	12041.4	12061.3	12037.4	12045.4	11987.8	11904.3
5°	11220.9	11175.2	11240.8	11385.8	11564.6	11717.6	11944.1	12063.3	12075.2	12077.2	11979.8
7.5°	10414.3	10372.6	10469.9	10640.8	10871.2	11155.3	11550.7	11896.4	11916.3	12103.0	12031.5
10°	9758.7	9728.9	9842.1	10024.9	10295.1	10613.0	11097.7	11578.5	11636.1	12049.4	12023.5
12.5°	9238.2	9214.3	9321.6	9532.2	9808.4	10160.0	10666.6	11224.9	11302.4	11928.2	11983.8
15°	8858.7	8854.7	8944.1	9146.8	9452.7	9780.5	10299.1	10897.1	10986.5	11797.1	11977.8
17.5°	8660.0	8666.0	8731.6	8904.4	9166.7	9492.5	9989.2	10620.9	10718.3	11679.8	12007.6
20°	8640.2	8646.1	8681.9	8779.2	8991.8	9279.9	9736.8	10388.5	10489.8	11592.4	12055.3
22.5°	8815.0	8811.0	8821.0	8811.0	8930.2	9148.8	9570.0	10209.7	10326.9	11534.8	12093.1
25°	9150.8	9144.8	9140.8	9067.3	8987.9	9105.1	9500.4	10108.4	10219.6	11493.1	12114.9
27.5°	9617.6	9613.7	9607.7	9486.5	9248.1	9174.6	9508.4	10070.6	10164.0	11459.3	12111.0
30°	10231.5	10259.3	10251.4	10082.5	9711.0	9387.2	9591.8	10050.7	10132.2	11393.8	12069.2
32.5°	10952.7	11008.3	11052.0	10871.2	10406.4	9808.4	9784.5	10072.6	10132.2	11344.1	11993.7
35°	11701.7	11773.2	11934.1	11870.6	11258.7	10442.1	10116.3	10203.7	10253.4	11371.9	11958.0
37.5°	12438.8	12524.2	12873.8	13058.6	12375.2	11280.5	10632.8	10527.5	10553.4	11540.8	11997.7
40°	13295.0	13424.2	13954.6	14252.6	13708.3	12403.0	11405.7	11083.8	11093.8	11912.3	12182.5
42.5°	14419.5	14552.6	15126.8	15593.6	15210.2	13821.5	12454.7	11934.1	11924.2	12607.6	12617.6
45°	15790.3	15929.4	16523.4	17042.0	16869.1	15502.3	13797.7	13175.8	13163.9	13704.3	13442.0
47.5°	17343.9	17481.0	18011.5	18545.9	18732.6	17465.1	15508.2	14870.5	14842.7	15228.1	14715.5
50°	18677.0	18766.4	19255.1	19974.3	20816.7	19877.0	17636.0	17022.1	16992.3	17252.5	16585.0
52.5°	19161.8	19213.4	19710.1	20717.4	22819.3	23143.1	20431.3	19640.6	19618.7	19732.0	19074.4
55°	18180.3	18273.7	18883.6	20377.6	23904.0	26834.4	23959.7	22882.9	22718.0	22473.6	21676.9
57.5°	15506.2	15655.2	16310.8	18297.5	23397.4	29762.8	29145.0	26550.3	26307.9	24813.9	23792.8
60°	11618.2	11801.0	12345.4	14489.0	20693.5	30805.8	34811.0	30637.0	30090.6	26677.5	25737.8
62.5°	7972.6	8064.0	8433.6	9830.2	15240.0	29097.3	39551.3	36110.3	35113.0	28703.9	27841.7
65°	6089.2	6121.0	6272.0	6752.8	9075.3	23635.8	41436.7	43332.0	42126.1	31127.7	30025.1
67.5°	4907.2	4881.3	5089.9	5777.3	6077.3	14419.5	39237.4	50164.3	49600.1	34368.0	32222.4
69°	4327.0	4291.3	4503.9	5302.5	5707.8	9532.2	35077.3	51715.9	51751.7	36078.6	32373.4
70°	3893.9	3917.8	4128.4	5020.4	5582.6	7481.9	31103.8	51320.6	51602.7	36718.3	31467.4
72.5°	2600.6	2664.2	3087.3	4168.1	5368.1	5662.1	18780.3	44039.3	45124.0	35277.9	26997.3
75°	1466.2	1513.9	2016.5	3143.0	5058.1	5391.9	9919.6	32444.9	33493.9	29500.6	20818.7
77.5°	719.2	745.0	1140.4	2028.4	4229.7	5137.6	5626.3	22038.5	23236.5	19255.1	11775.2
80°	304.0	317.9	570.2	1251.6	3023.8	4903.2	4178.0	13563.2	13712.2	7543.5	3137.0
82.5°	117.2	121.2	240.4	780.8	1921.1	3822.4	3494.6	6431.0	6276.0	1420.5	715.2
85°	13.9	15.9	87.4	468.9	1068.8	1966.8	2839.0	2771.5	2564.8	282.1	367.5
87.5°	0.0	0.0	6.0	143.0	317.9	921.8	1476.1	1150.3	1037.1	91.4	190.7
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°	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6	11864.6
2.5°	11834.8	11814.9	11707.7	11552.7	11405.7	11222.9	11048.1	10942.8	10859.3	10803.7	10869.3
5°	11866.6	11779.2	11453.4	11036.1	10626.9	10166.0	9736.8	9373.3	9230.2	9071.3	9142.8
7.5°	11856.7	11691.8	11105.7	10362.7	9611.7	8834.9	8099.8	7533.6	7239.6	6951.5	7025.0
10°	11807.0	11528.8	10640.8	9540.2	8415.7	7299.2	6256.1	5463.4	5020.4	4619.1	4676.7
12.5°	11697.7	11310.3	10092.5	8598.5	7094.5	5622.4	4400.6	3385.3	2841.0	2600.6	2630.4
15°	11632.2	11097.7	9512.3	7644.8	5684.0	3915.8	2690.0	2000.6	1752.3	1672.8	1682.7
17.5°	11600.4	10893.1	8912.4	6554.1	4241.6	2493.3	1738.4	1533.7	1480.1	1466.2	1470.2
20°	11568.6	10686.5	8294.5	5475.4	2922.4	1676.8	1428.4	1368.8	1349.0	1331.1	1335.1
22.5°	11514.9	10487.8	7630.9	4382.7	1970.8	1360.9	1287.4	1229.8	1188.0	1166.2	1170.2
25°	11449.4	10279.2	6953.5	3264.2	1438.4	1213.9	1144.3	1062.9	1013.2	973.5	975.5
27.5°	11344.1	10022.9	6254.1	2376.1	1207.9	1086.7	993.4	904.0	820.5	774.8	774.8
30°	11197.1	9732.9	5477.3	1700.6	1082.8	961.6	848.3	737.1	647.7	605.9	602.0
32.5°	11034.2	9430.9	4692.6	1289.4	983.4	844.3	715.2	598.0	518.5	484.8	482.8
35°	10895.1	9105.1	3909.8	1080.8	884.1	731.1	590.1	490.7	427.1	399.3	397.3
37.5°	10805.7	8779.2	3146.9	965.5	794.7	625.8	494.7	405.3	359.6	337.7	335.8
40°	10791.8	8536.9	2449.6	878.1	711.2	532.4	413.2	343.7	302.0	278.1	276.2
42.5°	10972.6	8397.8	1879.4	804.6	625.8	451.0	351.6	294.0	250.3	226.5	224.5
45°	11447.4	8441.5	1446.3	739.1	540.4	381.4	298.0	244.4	204.6	186.8	182.8
47.5°	12313.6	8743.5	1150.3	673.5	458.9	323.8	254.3	202.6	168.9	151.0	149.0
50°	13855.3	9452.7	961.6	602.0	383.4	276.2	210.6	164.9	137.1	121.2	119.2
52.5°	15901.6	10716.3	858.3	532.4	317.9	234.4	172.8	131.1	107.3	95.4	93.4
55°	18158.5	12246.0	790.7	456.9	260.3	194.7	137.1	103.3	83.4	73.5	69.5
57.5°	20361.7	13571.2	727.1	383.4	216.6	158.9	109.3	81.5	65.6	55.6	53.6
60°	22386.2	14789.0	653.6	307.9	176.8	125.2	85.4	63.6	51.7	41.7	41.7
62.5°	24553.7	15730.7	552.3	240.4	145.0	95.4	69.5	57.6	41.7	35.8	33.8
65°	26850.3	16430.0	433.1	186.8	113.2	71.5	57.6	59.6	33.8	25.8	23.8
67.5°	28547.0	16291.0	319.9	147.0	87.4	55.6	55.6	63.6	29.8	19.9	17.9
69°	28173.5	15160.5	268.2	127.1	75.5	47.7	51.7	63.6	27.8	17.9	15.9
70°	27090.7	13908.9	236.4	113.2	67.5	43.7	49.7	61.6	25.8	17.9	15.9
72.5°	22561.0	10475.9	184.8	85.4	53.6	35.8	41.7	53.6	25.8	17.9	13.9
75°	16970.4	6705.1	141.1	61.6	39.7	27.8	31.8	39.7	25.8	15.9	13.9
77.5°	9234.2	2417.8	101.3	41.7	27.8	21.9	21.9	29.8	23.8	11.9	7.9
80°	2374.1	607.9	63.6	27.8	21.9	15.9	13.9	19.9	13.9	2.0	0.0
82.5°	586.1	137.1	33.8	19.9	15.9	6.0	6.0	9.9	6.0	0.0	0.0
85°	321.8	67.5	21.9	13.9	7.9	0.0	0.0	2.0	0.0	0.0	0.0
87.5°	164.9	19.9	6.0	4.0	2.0	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)