

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: P323212

Luminaire Tested: **GAN-SA8C-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323212
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-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 46952 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

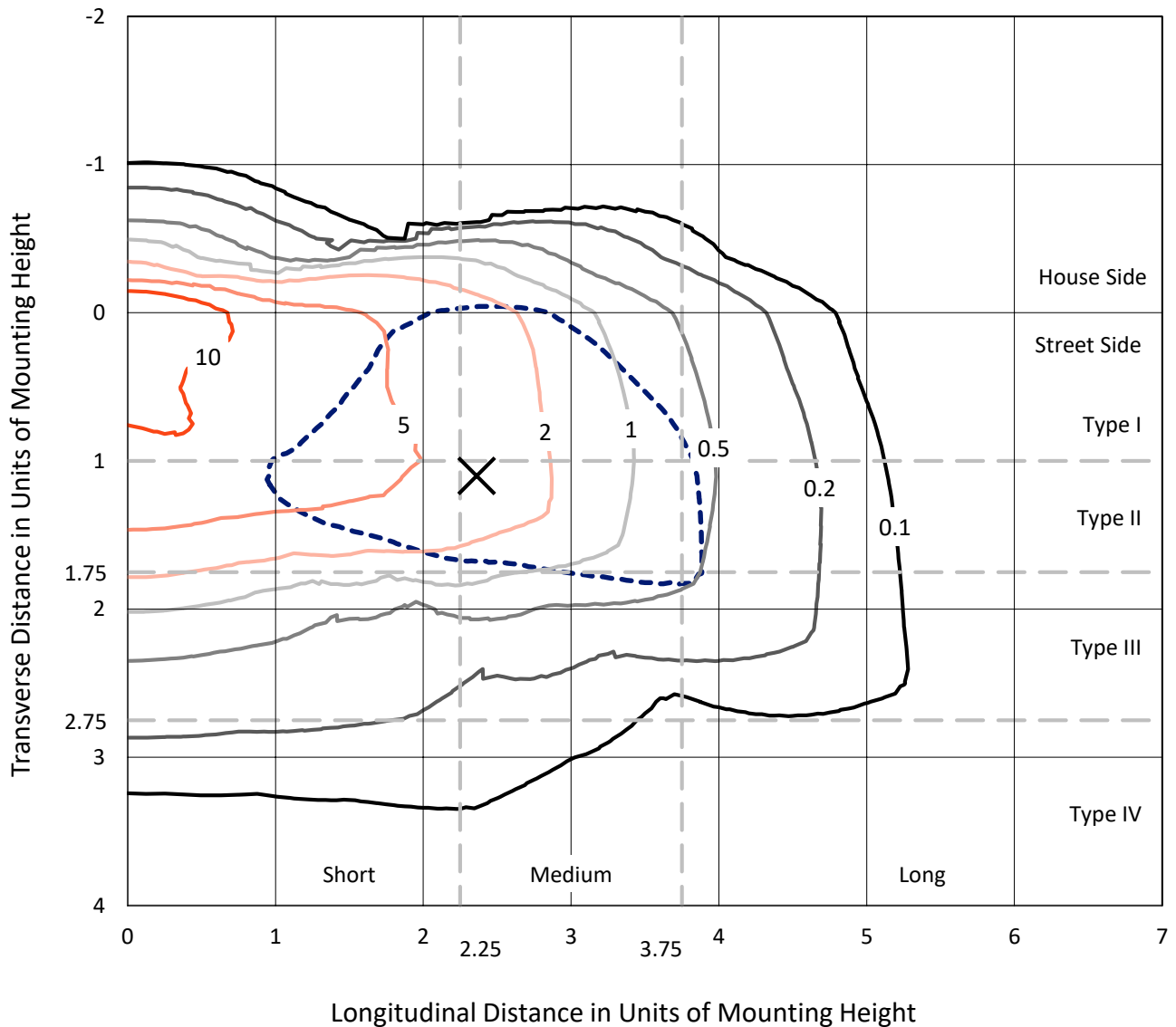
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

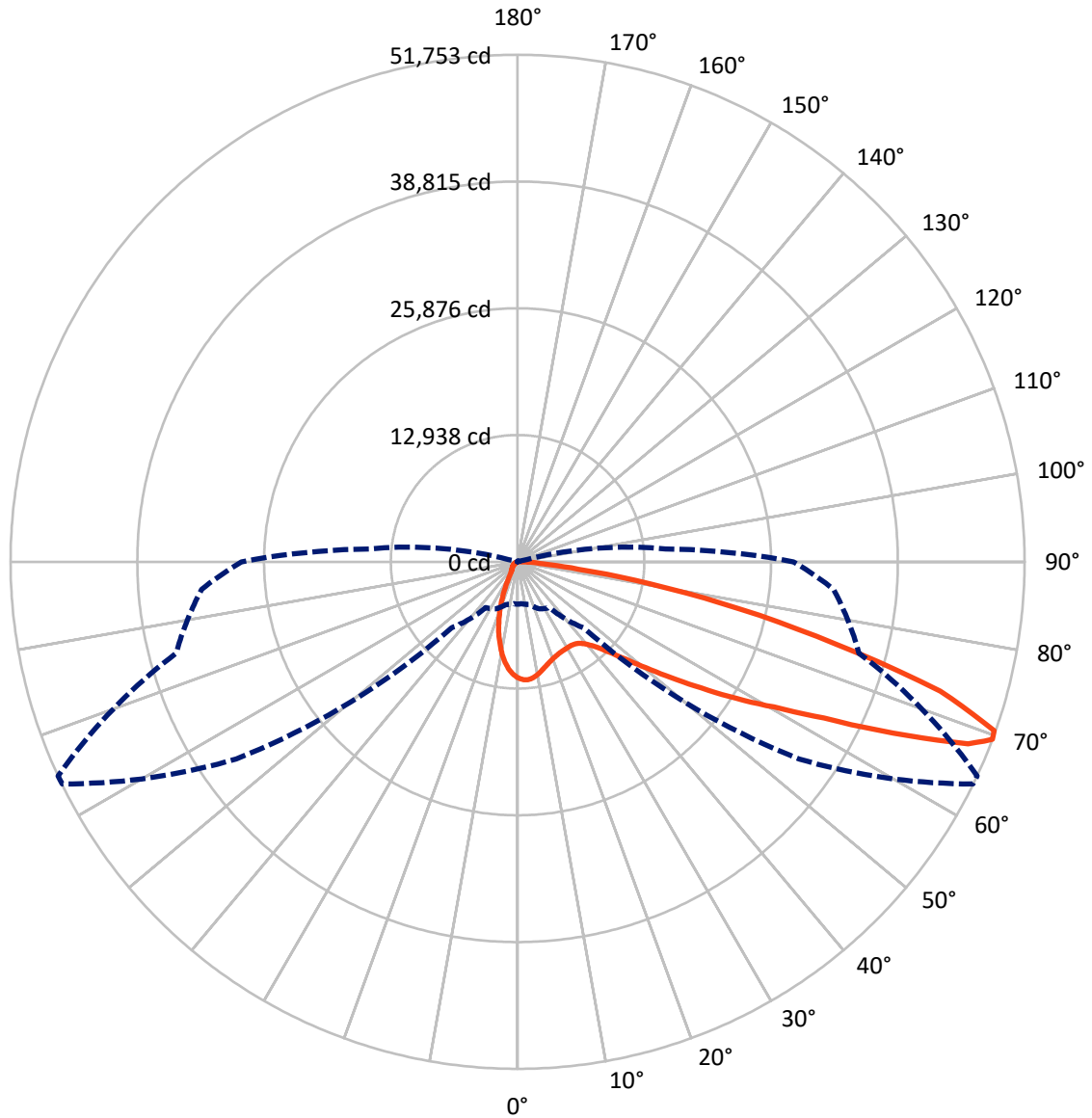
✕ Max cd
 - - - 1/2 Max cd



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

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CATALOG NUMBER: GAN-SA8C-740-U-SL2-HSS

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
House Side	Lumens	5534.5	0.0	5534.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	41417.5	0.0	41417.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	46952.0	0.0	46952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.1	2.1
10°-20°	2171.9	4.6
20°-30°	3008.1	6.4
30°-40°	4194.2	8.9
40°-50°	6519.2	13.9
50°-60°	10465.9	22.3
60°-70°	11838.7	25.2
70°-80°	6953.0	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°	46952.0	100.0
0°-180°	46952.0	100.0

Coefficient of Utilization

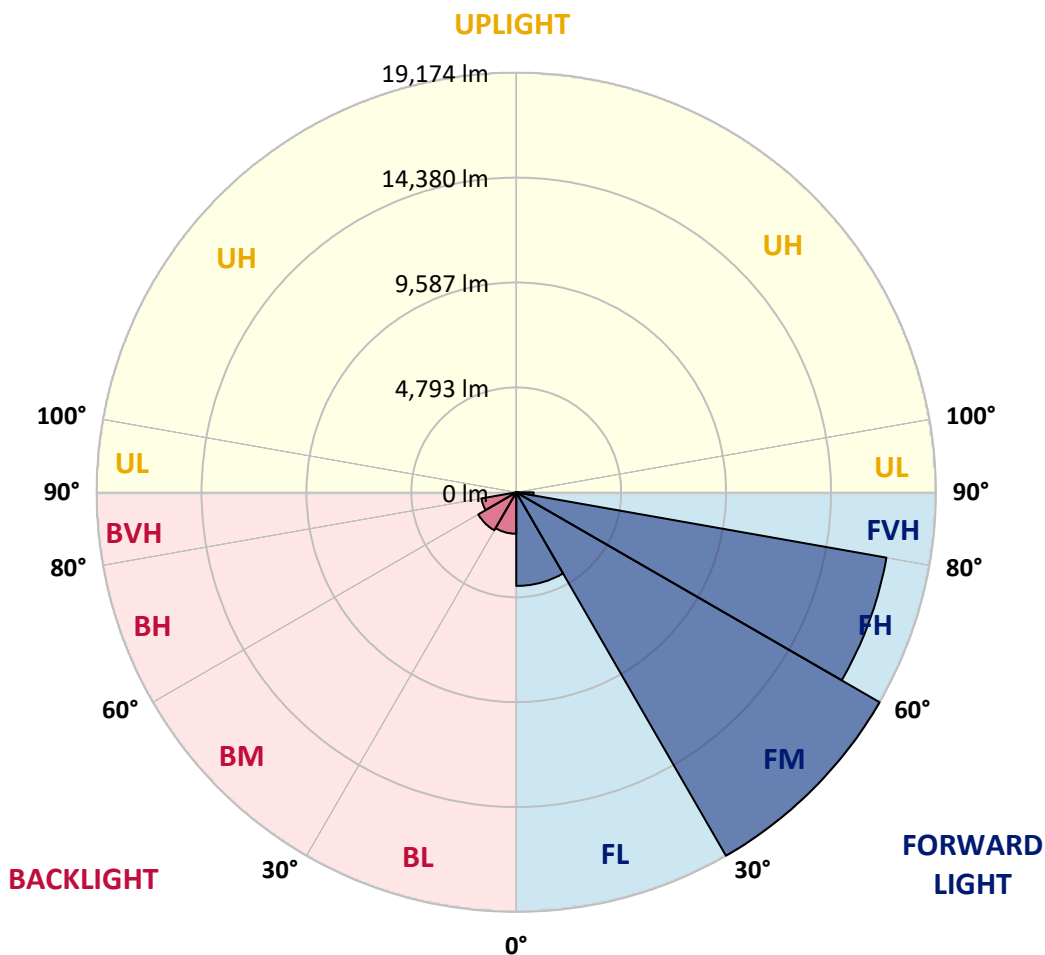


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4278.4	9.1			
FM (30°-60°)	19173.8	40.8			
FH (60°-80°)	17174.6	36.6			G5
FVH (80°-90°)	790.6	1.7			G5
BL (0°-30°)	1893.7	4.0	B3/2500		
BM (30°-60°)	2005.6	4.3	B2/2500		
BH (60°-80°)	1617.1	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°	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9
2.5°	11970.2	11940.3	11964.2	12015.8	12041.7	12041.7	12061.5	12037.7	12045.6	11988.0	11904.6
5°	11221.1	11175.5	11241.0	11386.0	11564.9	11717.8	11944.3	12063.5	12075.4	12077.4	11980.1
7.5°	10414.5	10372.8	10470.2	10641.0	10871.5	11155.6	11550.9	11896.6	11916.5	12103.3	12031.7
10°	9758.9	9729.1	9842.3	10025.1	10295.3	10613.2	11098.0	11578.8	11636.4	12049.6	12023.8
12.5°	9238.4	9214.5	9321.8	9532.4	9808.6	10160.2	10666.8	11225.1	11302.6	11928.4	11984.1
15°	8858.9	8854.9	8944.3	9147.0	9452.9	9780.8	10299.3	10897.3	10986.7	11797.3	11978.1
17.5°	8660.2	8666.2	8731.8	8904.6	9166.9	9492.7	9989.4	10621.1	10718.5	11680.1	12007.9
20°	8640.4	8646.3	8682.1	8779.4	8992.0	9280.1	9737.0	10388.7	10490.0	11592.7	12055.6
22.5°	8815.2	8811.2	8821.2	8811.2	8930.4	9149.0	9570.2	10209.9	10327.1	11535.1	12093.3
25°	9151.0	9145.0	9141.0	9067.5	8988.0	9105.3	9500.6	10108.6	10219.8	11493.3	12115.2
27.5°	9617.8	9613.9	9607.9	9486.7	9248.3	9174.8	9508.6	10070.8	10164.2	11459.6	12111.2
30°	10231.7	10259.6	10251.6	10082.7	9711.2	9387.4	9592.0	10051.0	10132.4	11394.0	12069.5
32.5°	10952.9	11008.6	11052.3	10871.5	10406.6	9808.6	9784.7	10072.8	10132.4	11344.3	11994.0
35°	11701.9	11773.5	11934.4	11870.8	11258.9	10442.3	10116.5	10203.9	10253.6	11372.1	11958.2
37.5°	12439.0	12524.5	12874.1	13058.9	12375.4	11280.7	10633.1	10527.8	10553.6	11541.0	11998.0
40°	13295.3	13424.4	13954.9	14252.9	13708.6	12403.3	11405.9	11084.1	11094.0	11912.5	12182.7
42.5°	14419.8	14552.9	15127.1	15594.0	15210.5	13821.8	12454.9	11934.4	11924.5	12607.9	12617.8
45°	15790.7	15929.7	16523.8	17042.3	16869.5	15502.6	13798.0	13176.1	13164.2	13704.6	13442.3
47.5°	17344.3	17481.4	18011.8	18546.3	18733.0	17465.5	15508.5	14870.8	14843.0	15228.4	14715.8
50°	18677.4	18766.8	19255.6	19974.8	20817.1	19877.4	17636.4	17022.4	16992.6	17252.9	16585.4
52.5°	19162.2	19213.8	19710.5	20717.8	22819.8	23143.6	20431.7	19641.0	19619.1	19732.4	19074.8
55°	18180.7	18274.1	18884.0	20378.1	23904.5	26835.0	23960.2	22883.4	22718.5	22474.1	21677.4
57.5°	15506.6	15655.6	16311.2	18297.9	23397.9	29763.5	29145.6	26550.9	26308.5	24814.5	23793.3
60°	11618.5	11801.3	12345.6	14489.3	20694.0	30806.5	34811.8	30637.6	30091.3	26678.0	25738.3
62.5°	7972.8	8064.2	8433.7	9830.4	15240.3	29097.9	39552.2	36111.1	35113.8	28704.5	27842.3
65°	6089.4	6121.2	6272.2	6753.0	9075.5	23636.3	41437.6	43332.9	42127.0	31128.4	30025.7
67.5°	4907.3	4881.4	5090.0	5777.5	6077.5	14419.8	39238.3	50165.4	49601.1	34368.7	32223.0
69°	4327.1	4291.4	4504.0	5302.6	5707.9	9532.4	35078.0	51717.0	51752.8	36079.3	32374.0
70°	3894.0	3917.9	4128.5	5020.5	5582.8	7482.1	31104.5	51321.6	51603.8	36719.1	31468.1
72.5°	2600.7	2664.2	3087.4	4168.2	5368.2	5662.2	18780.7	44040.2	45125.0	35278.7	26997.9
75°	1466.2	1513.9	2016.5	3143.0	5058.3	5392.0	9919.8	32445.6	33494.6	29501.2	20819.1
77.5°	719.2	745.0	1140.4	2028.5	4229.8	5137.7	5626.5	22039.0	23237.0	19255.6	11775.4
80°	304.0	317.9	570.2	1251.7	3023.8	4903.3	4178.1	13563.5	13712.5	7543.7	3137.1
82.5°	117.2	121.2	240.4	780.8	1921.2	3822.5	3494.7	6431.1	6276.1	1420.5	715.2
85°	13.9	15.9	87.4	468.9	1068.9	1966.9	2839.1	2771.5	2564.9	282.1	367.5
87.5°	0.0	0.0	6.0	143.0	317.9	921.9	1476.2	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°	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9	11864.9
2.5°	11835.1	11815.2	11707.9	11552.9	11405.9	11223.1	11048.3	10943.0	10859.6	10803.9	10869.5
5°	11866.8	11779.4	11453.6	11036.4	10627.1	10166.2	9737.0	9373.5	9230.4	9071.5	9143.0
7.5°	11856.9	11692.0	11105.9	10362.9	9611.9	8835.1	8100.0	7533.7	7239.7	6951.6	7025.1
10°	11807.2	11529.1	10641.0	9540.4	8415.9	7299.3	6256.3	5463.6	5020.5	4619.2	4676.8
12.5°	11698.0	11310.6	10092.7	8598.6	7094.7	5622.5	4400.6	3385.4	2841.0	2600.7	2630.5
15°	11632.4	11098.0	9512.5	7645.0	5684.1	3915.9	2690.1	2000.7	1752.3	1672.8	1682.8
17.5°	11600.6	10893.3	8912.5	6554.3	4241.7	2493.4	1738.4	1533.8	1480.1	1466.2	1470.2
20°	11568.8	10686.7	8294.7	5475.5	2922.5	1676.8	1428.5	1368.9	1349.0	1331.1	1335.1
22.5°	11515.2	10488.0	7631.1	4382.8	1970.9	1360.9	1287.4	1229.8	1188.1	1166.2	1170.2
25°	11449.6	10279.4	6953.6	3264.2	1438.4	1213.9	1144.4	1062.9	1013.2	973.5	975.5
27.5°	11344.3	10023.1	6254.3	2376.1	1207.9	1086.8	993.4	904.0	820.5	774.8	774.8
30°	11197.3	9733.1	5477.5	1700.7	1082.8	961.6	848.3	737.1	647.7	606.0	602.0
32.5°	11034.4	9431.1	4692.7	1289.4	983.4	844.4	715.2	598.0	518.5	484.8	482.8
35°	10895.3	9105.3	3909.9	1080.8	884.1	731.1	590.1	490.7	427.2	399.3	397.3
37.5°	10805.9	8779.4	3147.0	965.6	794.7	625.8	494.7	405.3	359.6	337.7	335.8
40°	10792.0	8537.1	2449.7	878.1	711.3	532.4	413.2	343.7	302.0	278.1	276.2
42.5°	10972.8	8398.0	1879.5	804.6	625.8	451.0	351.7	294.0	250.3	226.5	224.5
45°	11447.6	8441.7	1446.4	739.1	540.4	381.5	298.0	244.4	204.6	186.8	182.8
47.5°	12313.9	8743.7	1150.3	673.5	458.9	323.8	254.3	202.6	168.9	151.0	149.0
50°	13855.6	9452.9	961.6	602.0	383.4	276.2	210.6	164.9	137.1	121.2	119.2
52.5°	15901.9	10716.5	858.3	532.4	317.9	234.4	172.8	131.1	107.3	95.4	93.4
55°	18158.9	12246.3	790.7	457.0	260.3	194.7	137.1	103.3	83.4	73.5	69.5
57.5°	20362.2	13571.5	727.1	383.4	216.6	158.9	109.3	81.5	65.6	55.6	53.6
60°	22386.7	14789.3	653.6	307.9	176.8	125.2	85.4	63.6	51.7	41.7	41.7
62.5°	24554.2	15731.1	552.3	240.4	145.0	95.4	69.5	57.6	41.7	35.8	33.8
65°	26850.9	16430.4	433.1	186.8	113.2	71.5	57.6	59.6	33.8	25.8	23.8
67.5°	28547.6	16291.3	319.9	147.0	87.4	55.6	55.6	63.6	29.8	19.9	17.9
69°	28174.1	15160.9	268.2	127.2	75.5	47.7	51.7	63.6	27.8	17.9	15.9
70°	27091.3	13909.2	236.4	113.2	67.5	43.7	49.7	61.6	25.8	17.9	15.9
72.5°	22561.5	10476.1	184.8	85.4	53.6	35.8	41.7	53.6	25.8	17.9	13.9
75°	16970.8	6705.3	141.1	61.6	39.7	27.8	31.8	39.7	25.8	15.9	13.9
77.5°	9234.4	2417.9	101.3	41.7	27.8	21.9	21.9	29.8	23.8	11.9	7.9
80°	2374.2	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°	321.9	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)