

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: P483253

Luminaire Tested: **IFLD-L-SA7C-740-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483253
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-740-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

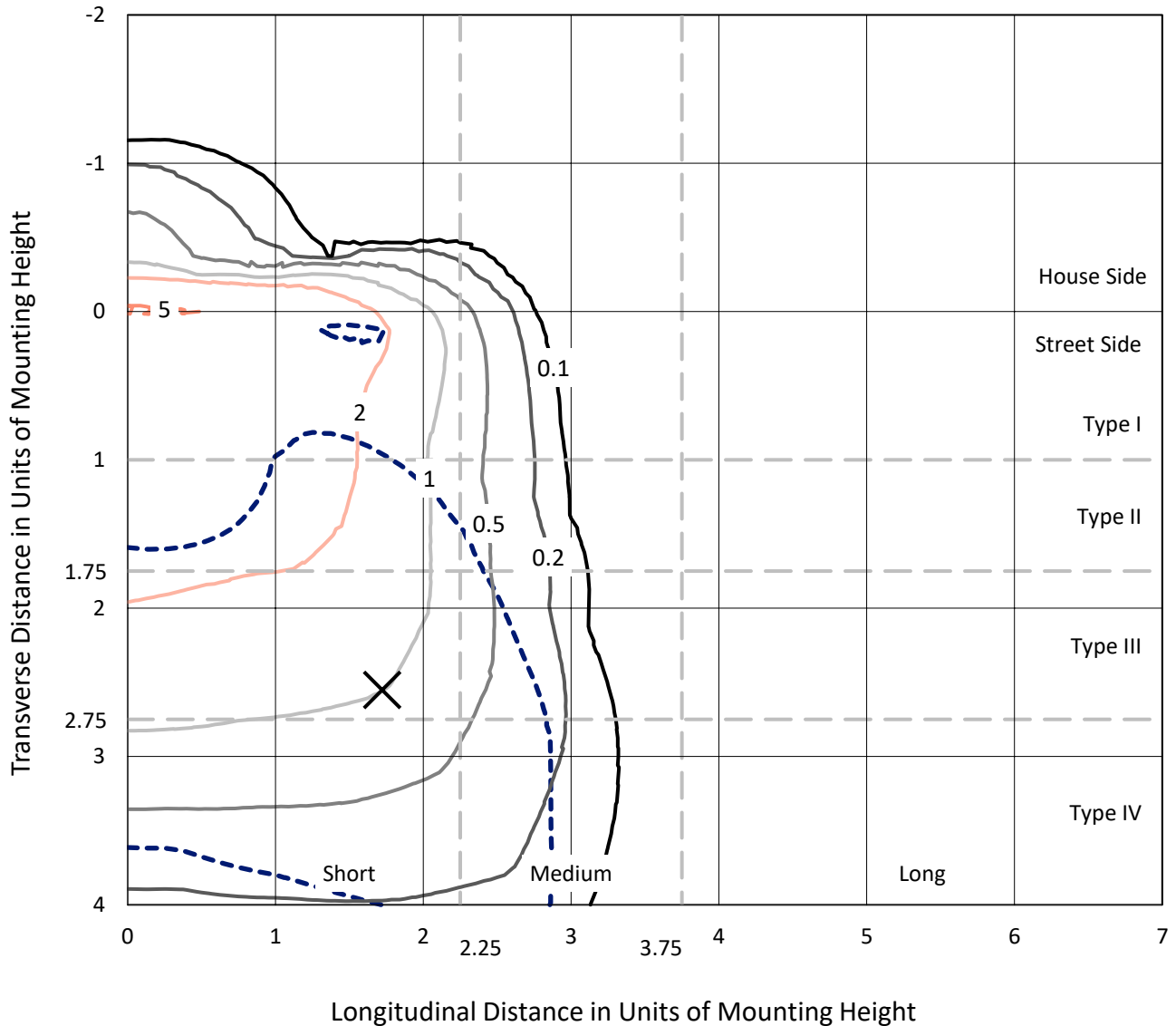
Lumens per Lamp: N/A
Luminaire Lumens: 32055.1 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
Input Voltage (V): 120
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

REPORT NUMBER: P483253
 CATALOG NUMBER: IFLD-L-SA7C-740-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

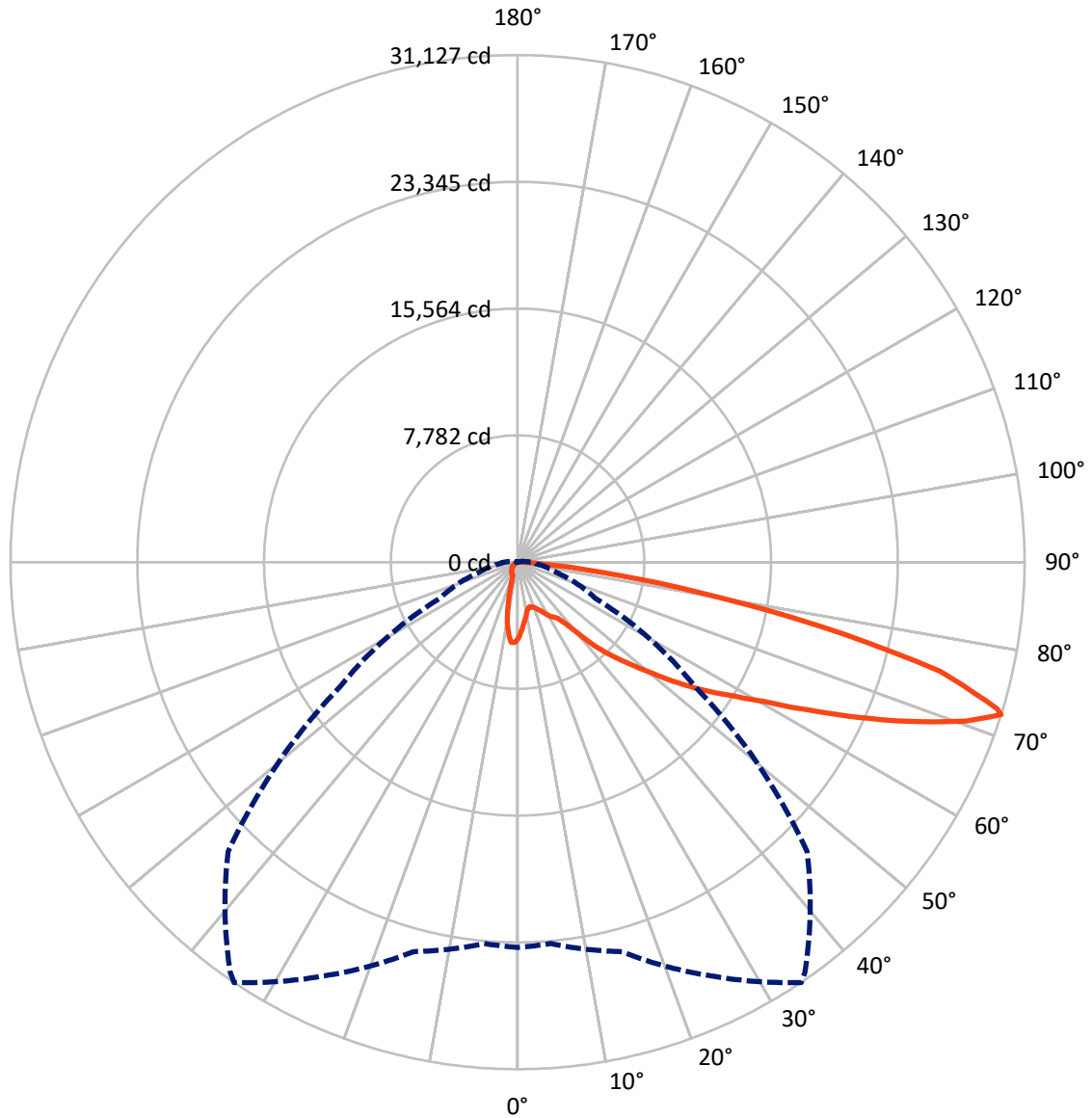
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P483253
CATALOG NUMBER: IFLD-L-SA7C-740-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P483253
 CATALOG NUMBER: IFLD-L-SA7C-740-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3281.7	0.0	3281.7
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	28773.4	0.0	28773.4
	% Fixture	89.8	0.0	89.8
Total	Lumens	32055.1	0.0	32055.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.1	1.3
10°-20°	921.7	2.9
20°-30°	1391.2	4.3
30°-40°	2257.6	7.0
40°-50°	4245.3	13.2
50°-60°	6941.2	21.7
60°-70°	9227.3	28.8
70°-80°	6179.5	19.3
80°-90°	484.3	1.5
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°	32055.1	100.0
0°-180°	32055.1	100.0

Coefficient of Utilization



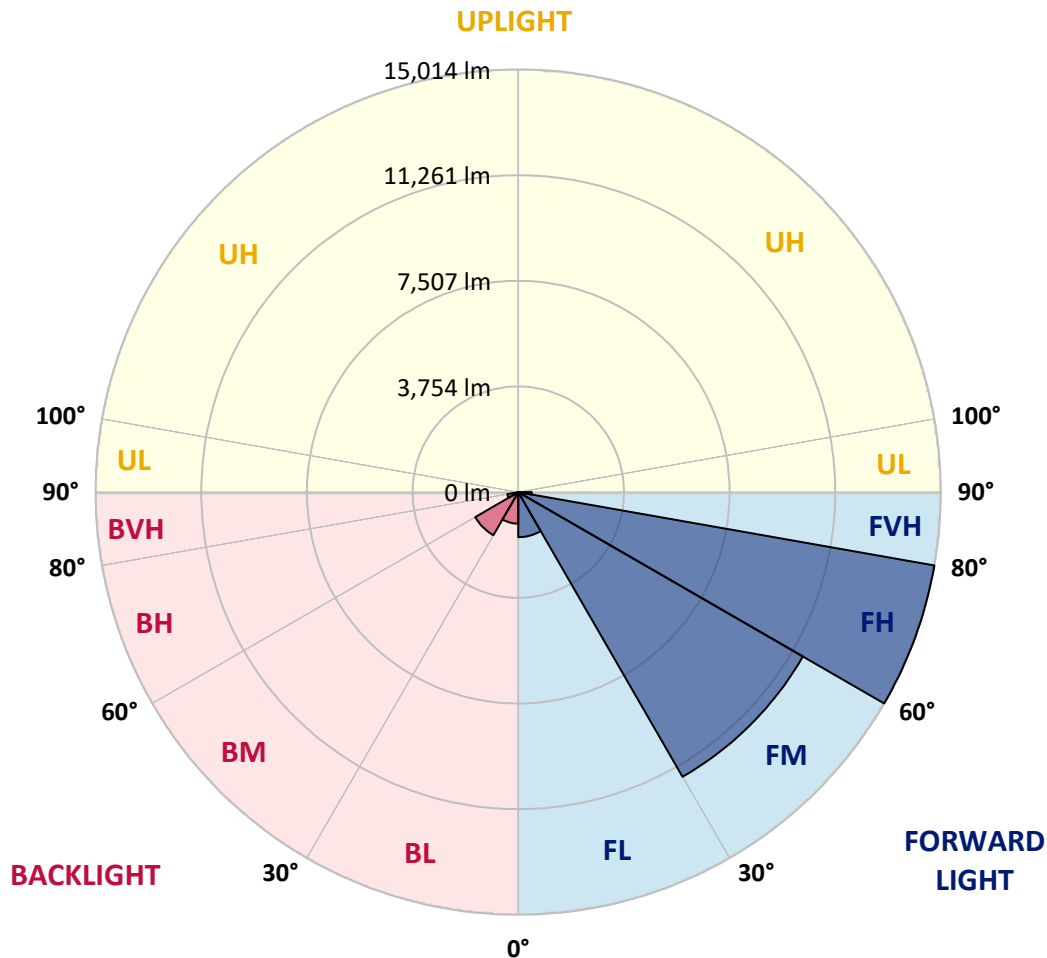
REPORT NUMBER: P483253
 CATALOG NUMBER: IFLD-L-SA7C-740-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1600.3	5.0			
FM (30°-60°)	11677.6	36.4			
FH (60°-80°)	15014.3	46.8			G5
FVH (80°-90°)	481.2	1.5			G3/500
BL (0°-30°)	1119.7	3.5	B3/2500		
BM (30°-60°)	1766.5	5.5	B2/2500		
BH (60°-80°)	392.4	1.2	B1/500		G1/500
BVH (80°-90°)	3.1	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 IV Short





REPORT NUMBER: P483253

CATALOG NUMBER: IFLD-L-SA7C-740-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7
2.5°	4147.5	4138.2	4166.0	4212.4	4258.7	4240.2	4328.2	4420.9	4485.8	4573.8	4680.4
5°	3623.8	3647.0	3674.8	3767.5	3827.7	3841.6	4003.8	4124.3	4323.6	4527.5	4717.5
7.5°	3146.5	3174.3	3230.0	3331.9	3457.0	3489.5	3651.7	3892.6	4152.1	4420.9	4731.4
10°	2799.0	2826.8	2887.0	2951.9	3118.7	3118.7	3341.2	3674.8	4013.1	4328.2	4736.0
12.5°	2724.8	2738.7	2734.1	2785.1	2891.7	2914.8	3132.6	3498.7	3892.6	4295.8	4810.2
15°	2812.9	2822.2	2775.8	2748.0	2840.7	2863.9	3067.8	3392.1	3813.8	4314.3	4930.7
17.5°	2989.0	2956.5	2863.9	2822.2	2900.9	2914.8	3104.8	3387.5	3804.6	4365.3	5069.7
20°	3090.9	3128.0	2965.8	2887.0	2998.2	3016.8	3220.7	3461.7	3850.9	4453.3	5264.3
22.5°	3271.7	3290.2	3072.4	3021.4	3128.0	3128.0	3359.7	3609.9	3962.1	4597.0	5496.0
25°	3526.5	3503.4	3248.5	3197.5	3299.5	3341.2	3572.9	3846.3	4133.6	4731.4	5709.2
27.5°	3725.8	3739.7	3531.2	3396.8	3568.2	3596.0	3846.3	4101.2	4263.4	4842.6	5968.7
30°	4022.4	3994.6	3772.1	3619.2	3832.4	3837.0	4078.0	4342.1	4513.6	5041.9	6358.0
32.5°	4374.6	4319.0	4064.1	3846.3	4017.7	4059.5	4305.1	4689.7	4902.9	5417.2	6960.4
35°	5120.7	4986.3	4569.2	4230.9	4244.8	4263.4	4643.3	5194.8	5440.4	5894.5	7766.7
37.5°	6209.7	6154.1	5681.4	5037.2	4791.6	4736.0	5162.4	5862.1	6168.0	6524.8	8814.0
40°	7289.4	7210.6	6770.4	6283.8	5838.9	5727.7	5940.9	6747.2	7025.3	7400.6	9889.1
42.5°	8489.6	8350.6	7831.6	7437.7	7159.6	7039.2	6955.7	7859.4	8174.5	8429.4	10941.1
45°	9703.8	9476.7	8726.0	8424.8	8276.5	8211.6	8202.3	9258.9	9448.9	9499.9	12108.8
47.5°	10769.6	10524.0	9842.8	9504.5	9393.3	9374.7	9893.8	10871.5	10723.3	10588.9	13411.0
50°	11589.8	11432.3	10941.1	10820.6	10737.2	10704.7	11918.8	12530.5	11844.7	11608.4	14555.6
52.5°	12859.6	12507.4	11951.3	11993.0	12284.9	12289.6	13971.7	14106.1	12776.1	12308.1	15635.4
55°	13874.4	13642.7	13188.6	13128.3	13897.6	13981.0	15811.5	15301.7	13295.2	12975.4	16033.9
57.5°	15070.0	14963.4	14634.4	14643.7	15450.0	15626.1	17447.3	16311.9	13726.1	13406.4	16094.1
60°	16798.5	16492.7	16321.2	16400.0	17350.0	17521.4	19032.2	17039.5	13934.7	13689.1	15945.9
62.5°	18707.8	18350.9	18165.6	18568.7	19954.3	19982.1	20237.0	17683.6	13804.9	13763.2	14991.2
65°	21006.3	20654.1	20505.8	21316.8	22961.8	22859.9	21928.4	17957.0	13392.5	13017.1	12484.2
67.5°	23295.5	23082.3	22776.5	24069.4	26117.7	26117.7	23684.8	17855.1	12312.7	10449.8	8165.2
70°	24379.9	24528.2	25014.7	27044.5	29217.9	28995.4	25417.9	16682.7	9166.2	5611.9	3211.4
72°	23657.0	23504.0	24759.9	28017.6	31127.1	30761.0	25126.0	13262.7	5296.7	2460.7	1116.8
72.5°	22415.0	22558.7	24287.2	27883.2	30770.3	31071.5	24412.3	12234.0	4356.0	1960.2	843.4
75°	13744.7	13990.3	18128.5	23675.5	26812.8	26474.5	18883.9	5829.7	1672.9	834.1	301.2
77.5°	5018.7	5222.6	8795.5	14898.6	19069.2	18856.1	10927.2	2071.4	908.3	621.0	152.9
80°	1306.8	1413.4	2989.0	6872.3	11214.5	11228.4	4573.8	829.5	616.3	509.7	92.7
82.5°	259.5	287.3	917.5	2673.9	5241.1	5171.6	1445.8	444.9	463.4	417.1	64.9
85°	32.4	41.7	194.6	908.3	1696.1	1520.0	356.8	222.4	342.9	324.4	41.7
87.5°	4.6	4.6	46.3	208.5	356.8	347.6	74.1	69.5	152.9	199.3	23.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P483253

CATALOG NUMBER: IFLD-L-SA7C-740-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7	4689.7
2.5°	4740.7	4759.2	4824.1	4879.7	4944.6	4963.1	4935.3	4981.6	4916.8	4953.8	4963.1
5°	4749.9	4856.5	4977.0	5055.8	5037.2	4990.9	4953.8	4828.7	4740.7	4708.2	4777.7
7.5°	4814.8	4935.3	5065.0	5065.0	4963.1	4722.1	4490.4	4268.0	4082.6	3989.9	4068.7
10°	4898.2	5023.3	5157.7	4981.6	4601.6	4161.4	3832.4	3415.3	3132.6	2984.3	2998.2
12.5°	5009.4	5185.5	5231.9	4824.1	4193.8	3540.4	2942.6	2363.4	2094.6	1881.4	1886.1
15°	5153.1	5324.6	5185.5	4481.2	3674.8	2710.9	1992.7	1441.2	1228.0	1116.8	1116.8
17.5°	5343.1	5472.8	5171.6	4166.0	2975.1	1853.6	1223.4	973.2	926.8	908.3	908.3
20°	5565.5	5662.8	5037.2	3674.8	2210.5	1191.0	899.0	871.2	875.8	866.6	866.6
22.5°	5815.8	5848.2	4884.3	3104.8	1496.8	880.5	838.8	843.4	848.0	838.8	843.4
25°	6079.9	5991.9	4661.9	2437.5	996.3	801.7	811.0	820.2	824.9	829.5	829.5
27.5°	6376.5	6200.4	4351.4	1784.1	778.5	755.4	783.2	811.0	815.6	815.6	811.0
30°	6812.1	6520.1	4050.2	1209.5	685.8	704.4	750.7	783.2	806.3	806.3	801.7
32.5°	7363.5	6853.8	3628.5	824.9	634.9	644.1	681.2	746.1	797.1	801.7	787.8
35°	8128.2	7257.0	3188.2	658.0	597.8	602.4	625.6	676.6	764.6	792.4	787.8
37.5°	8934.5	7715.7	2641.4	593.2	570.0	565.4	579.3	621.0	699.7	769.3	773.9
40°	9791.8	8197.7	2066.8	560.7	546.8	537.6	542.2	560.7	621.0	709.0	727.6
42.5°	10598.1	8633.3	1552.4	528.3	523.7	514.4	514.4	519.0	551.5	611.7	621.0
45°	11469.3	8990.1	1181.7	505.1	491.2	495.8	477.3	468.0	491.2	495.8	491.2
47.5°	12284.9	9346.9	945.4	477.3	463.4	463.4	440.2	421.7	421.7	380.0	375.4
50°	13049.6	9541.6	755.4	440.2	435.6	431.0	398.5	366.1	338.3	287.3	278.0
52.5°	13684.4	9532.3	583.9	393.9	407.8	393.9	342.9	296.6	254.9	208.5	199.3
55°	13874.4	9087.4	440.2	324.4	347.6	329.0	273.4	231.7	185.4	148.3	143.7
57.5°	13712.2	8410.8	333.7	250.2	268.8	250.2	208.5	171.5	129.8	101.9	92.7
60°	13170.0	7618.4	259.5	194.6	203.9	190.0	157.6	129.8	92.7	64.9	55.6
62.5°	12141.3	6626.7	199.3	152.9	148.3	148.3	120.5	97.3	64.9	37.1	32.4
65°	9963.3	5167.0	152.9	106.6	106.6	106.6	92.7	69.5	41.7	18.5	9.3
67.5°	6256.0	3007.5	125.1	83.4	78.8	78.8	64.9	46.3	23.2	4.6	0.0
70°	2354.1	1102.9	97.3	64.9	60.2	60.2	46.3	27.8	13.9	0.0	0.0
72°	811.0	421.7	78.8	46.3	46.3	41.7	32.4	23.2	9.3	0.0	0.0
72.5°	667.3	338.3	74.1	46.3	41.7	41.7	32.4	23.2	9.3	0.0	0.0
75°	241.0	139.0	51.0	32.4	27.8	27.8	23.2	13.9	4.6	0.0	0.0
77.5°	120.5	88.0	41.7	27.8	23.2	13.9	13.9	9.3	4.6	0.0	0.0
80°	74.1	55.6	23.2	18.5	13.9	9.3	4.6	4.6	0.0	0.0	0.0
82.5°	51.0	32.4	13.9	13.9	9.3	4.6	0.0	0.0	0.0	0.0	0.0
85°	32.4	13.9	9.3	9.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.9	9.3	4.6	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)