

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: P481683

Luminaire Tested: **IFLD-S-SA6C-740-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481683
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-740-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

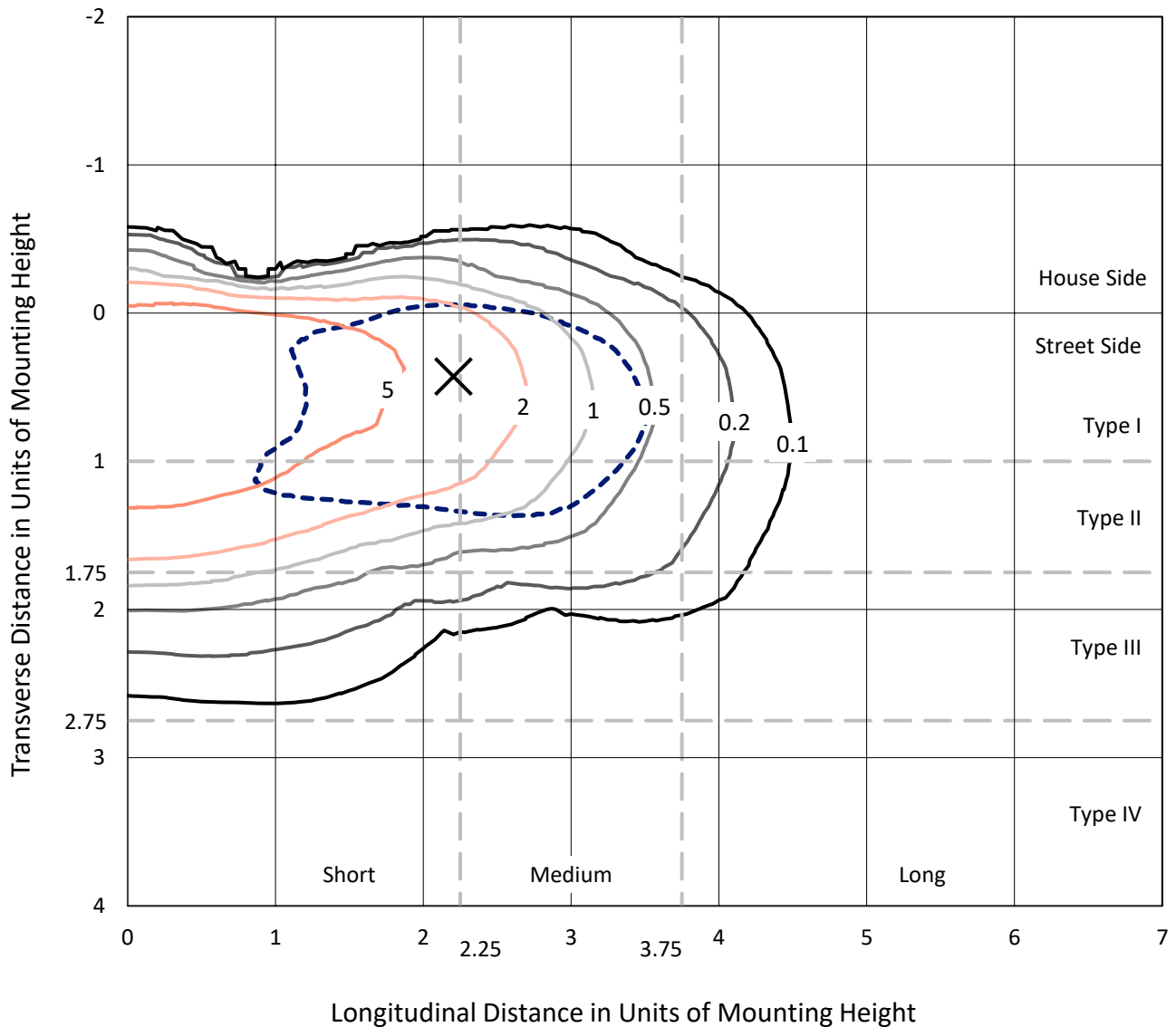
Lumens per Lamp: N/A
Luminaire Lumens: 29923 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
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: P481683
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

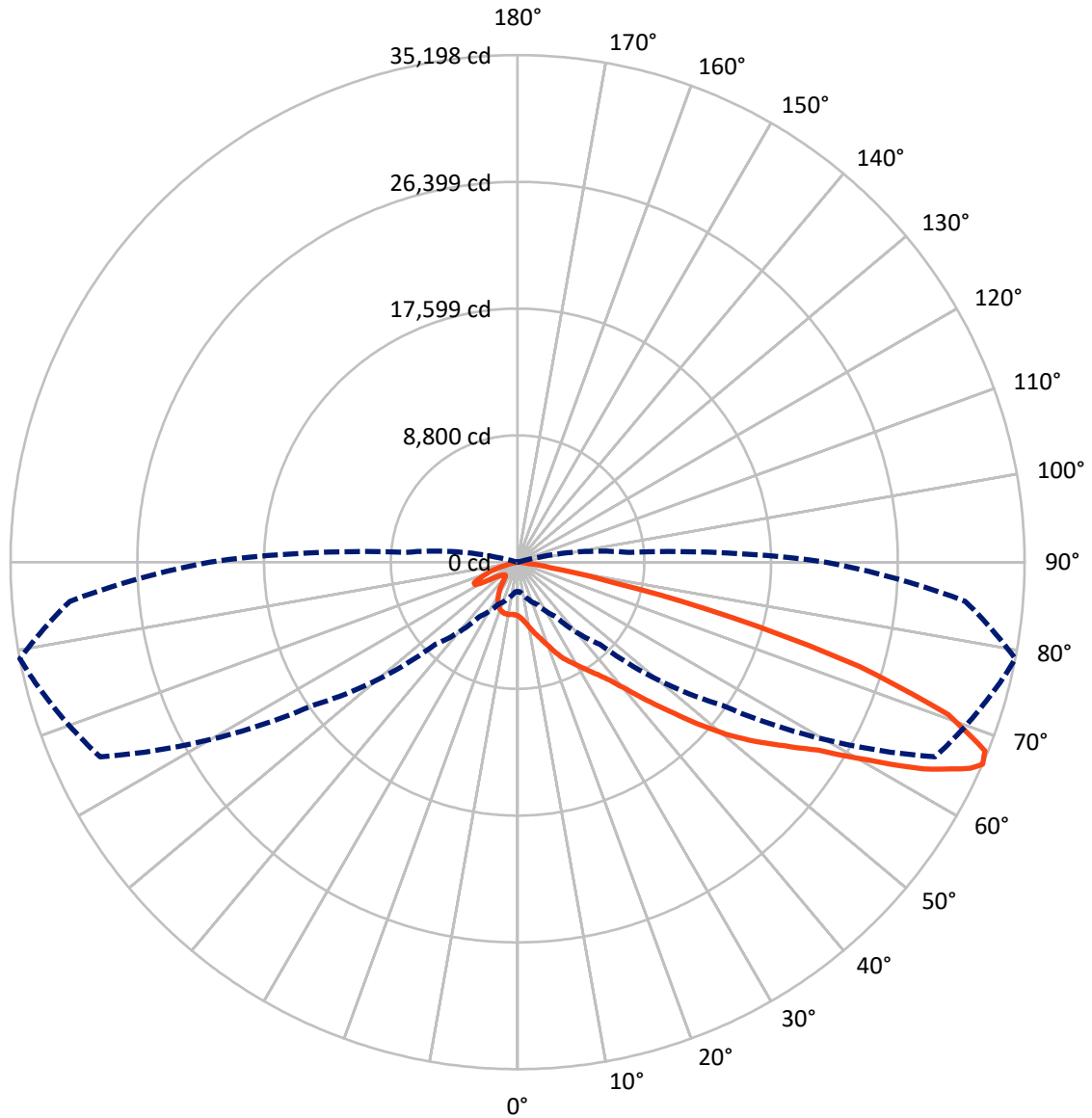
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

REPORT NUMBER: P481683
CATALOG NUMBER: IFLD-S-SA6C-740-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P481683
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2246.8	0.0	2246.8
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	27676.2	0.0	27676.2
	% Fixture	92.5	0.0	92.5
Total	Lumens	29923.0	0.0	29923.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.1	1.2
10°-20°	969.0	3.2
20°-30°	1609.7	5.4
30°-40°	2764.8	9.2
40°-50°	5008.8	16.7
50°-60°	7917.5	26.5
60°-70°	8056.6	26.9
70°-80°	3072.4	10.3
80°-90°	172.2	0.6
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°	29923.0	100.0
0°-180°	29923.0	100.0

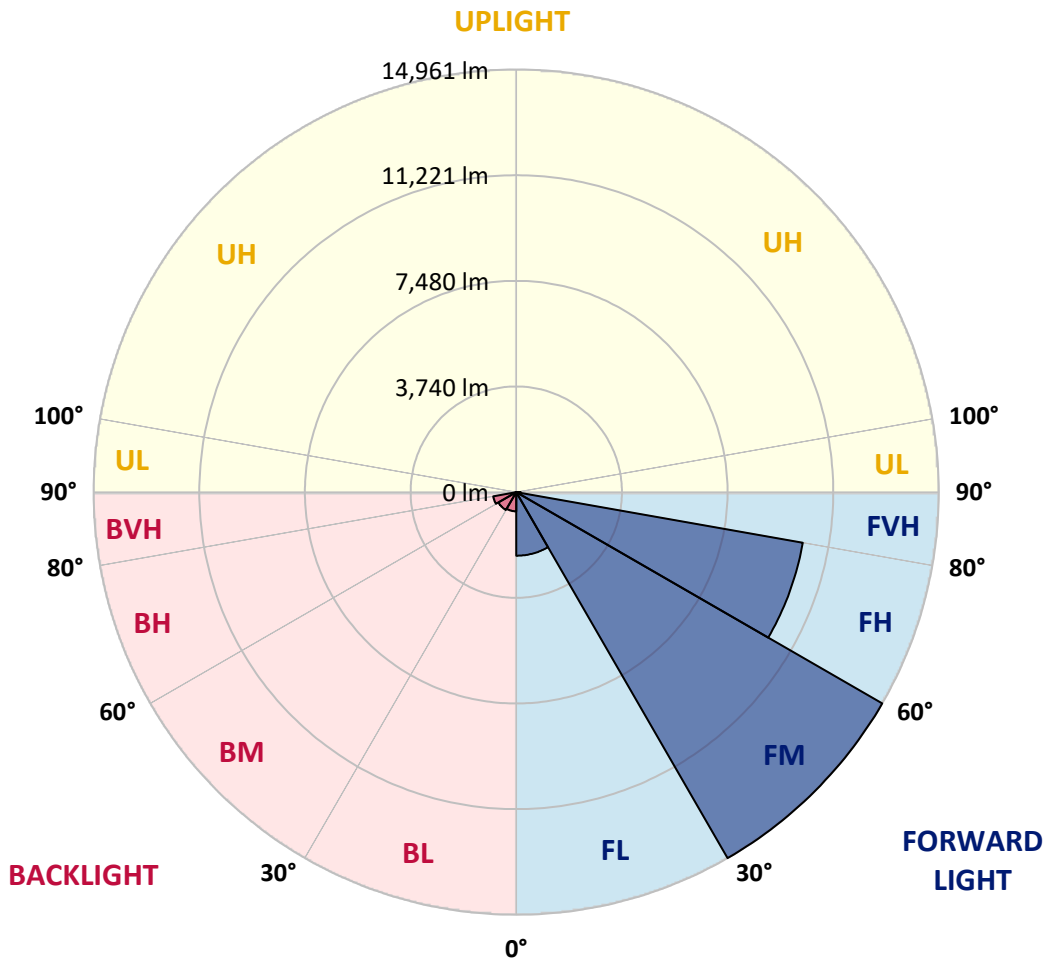


REPORT NUMBER: P481683
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.2	7.5			
FM (30°-60°)	14960.8	50.0			
FH (60°-80°)	10300.7	34.4			G4/12000
FVH (80°-90°)	163.4	0.5			G2/225
BL (0°-30°)	679.5	2.3	B2/1000		
BM (30°-60°)	730.2	2.4	B1/1000		
BH (60°-80°)	828.3	2.8	B2/1000		G2/1000
BVH (80°-90°)	8.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Short





REPORT NUMBER: P481683

CATALOG NUMBER: IFLD-S-SA6C-740-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8
2.5°	4216.4	4211.8	4193.3	4161.0	4119.5	4105.7	4045.7	3962.7	3916.5	3865.8	3842.7
5°	4507.0	4484.0	4539.3	4516.2	4525.5	4414.8	4340.9	4281.0	4105.7	4036.5	3925.8
7.5°	4571.6	4594.7	4590.1	4627.0	4663.9	4705.4	4654.6	4567.0	4391.7	4290.2	4170.3
10°	4571.6	4562.4	4599.3	4650.0	4756.1	4848.4	4986.8	4871.5	4737.7	4617.7	4400.9
12.5°	4488.6	4474.7	4511.6	4617.7	4806.9	4996.0	5148.2	5259.0	5069.8	4972.9	4691.5
15°	4234.8	4221.0	4373.2	4562.4	4811.5	5120.6	5438.9	5618.8	5489.6	5337.4	5023.7
17.5°	3921.2	3939.6	4101.1	4414.8	4811.5	5180.5	5586.5	5978.6	5960.1	5766.4	5438.9
20°	3815.0	3828.9	3990.3	4216.4	4668.5	5222.1	5817.1	6370.7	6481.4	6250.8	5821.8
22.5°	4018.0	4004.2	4018.0	4156.4	4571.6	5185.1	5969.4	6818.2	7016.6	6836.6	6324.6
25°	4710.0	4700.8	4585.4	4373.2	4516.2	5102.1	6047.8	7113.4	7570.1	7404.1	6730.5
27.5°	5724.9	5688.0	5508.1	5065.2	4774.6	5152.9	6177.0	7399.4	8054.5	7865.4	7095.0
30°	6813.6	6725.9	6490.7	5937.1	5443.5	5342.0	6250.8	7611.6	8594.2	8354.4	7413.3
32.5°	7565.5	7680.8	7607.0	7044.2	6287.7	5780.2	6370.7	7879.2	9092.5	8935.6	7957.6
35°	8728.0	8861.8	8552.7	8054.5	7293.3	6476.8	6624.4	8096.0	9858.2	9595.3	8465.1
37.5°	10195.0	10296.5	10075.1	9129.4	8326.7	7334.9	7145.7	8548.1	10517.9	10393.4	9115.5
40°	10933.1	11422.1	11108.4	10255.0	9392.3	8534.3	8008.4	9078.6	11666.6	11565.1	10015.1
42.5°	11952.6	12197.1	12035.6	11403.6	10504.1	9816.7	9074.0	10112.0	13059.7	13059.7	11232.9
45°	13032.1	13041.3	13032.1	12515.4	11717.3	11362.1	10513.3	11408.2	14559.0	14725.1	12690.7
47.5°	13917.8	14194.6	14171.5	13862.4	13244.3	13110.5	11952.6	12884.4	16441.2	16731.8	14111.5
50°	14374.5	14683.6	14775.8	14937.3	14909.6	15191.0	13525.7	14595.9	18065.0	18780.0	15938.3
52.5°	14249.9	14273.0	14840.4	15477.0	16491.9	17280.7	15421.7	16538.0	19965.6	20671.4	17349.9
55°	13230.4	13142.8	14309.9	15038.8	17137.7	18558.6	18046.5	18959.9	21446.4	22521.2	18807.7
57.5°	10993.1	11016.1	12095.6	13576.4	16658.0	19066.0	20851.3	22124.5	23522.3	24606.4	20855.9
60°	7588.6	7560.9	8769.5	10481.0	13839.4	18120.3	22465.9	26225.6	26299.4	27835.6	24532.6
62.5°	4267.1	4276.4	5194.4	6656.7	9682.9	14808.1	22387.5	30580.4	30266.7	31613.7	28712.1
65°	2417.3	2477.2	3109.2	3944.2	5798.7	9941.3	19255.2	32314.9	33325.2	34524.6	31249.3
66°	2043.6	2085.1	2624.9	3256.9	4627.0	8063.7	17331.5	31978.1	34284.7	35198.1	31198.5
67.5°	1582.3	1637.7	2089.7	2583.3	3395.3	5581.9	13950.1	30303.6	34460.0	34995.1	30317.4
70°	1084.1	1121.0	1467.0	1960.6	2320.4	2855.5	8340.5	25053.9	31267.7	31719.8	26350.1
72.5°	761.2	779.6	1028.7	1485.4	1785.3	1633.0	4138.0	17825.1	23928.2	24809.4	20496.1
75°	549.0	567.4	705.8	1065.6	1393.2	1070.2	1896.0	11385.2	14674.3	15366.3	12344.7
77.5°	396.7	419.8	479.8	687.4	1010.3	751.9	931.9	5946.3	6919.7	6799.7	5309.7
80°	239.9	262.9	355.2	442.9	738.1	530.5	512.1	2481.9	2454.2	2329.6	1669.9
82.5°	110.7	129.2	189.1	299.9	516.7	369.0	244.5	885.7	775.0	710.4	470.5
85°	32.3	41.5	110.7	226.0	262.9	179.9	147.6	304.5	318.3	272.2	156.8
87.5°	0.0	4.6	50.7	55.4	78.4	60.0	55.4	78.4	147.6	119.9	50.7
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: P481683
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8	3722.8
2.5°	3759.7	3727.4	3649.0	3529.0	3422.9	3367.6	3289.2	3220.0	3183.1	3178.4	3173.8
5°	3852.0	3764.3	3575.2	3358.4	3196.9	3021.6	2901.7	2814.0	2731.0	2652.5	2698.7
7.5°	3976.5	3838.1	3529.0	3247.6	2897.0	2671.0	2458.8	2334.2	2260.4	2191.2	2182.0
10°	4170.3	3995.0	3496.7	2989.3	2588.0	2255.8	2039.0	1859.1	1757.6	1637.7	1683.8
12.5°	4433.2	4119.5	3376.8	2754.0	2237.4	1886.8	1577.7	1287.1	1125.6	1001.0	1005.7
15°	4696.2	4285.6	3266.1	2468.0	1919.1	1457.7	1005.7	807.3	761.2	733.5	742.7
17.5°	4954.5	4419.4	3095.4	2177.4	1554.6	927.2	733.5	692.0	668.9	641.2	641.2
20°	5268.2	4507.0	2883.2	1909.8	1070.2	687.4	627.4	599.7	562.8	525.9	530.5
22.5°	5572.6	4580.8	2638.7	1568.5	719.6	595.1	525.9	489.0	456.7	419.8	419.8
25°	5877.1	4603.9	2320.4	1125.6	581.3	475.2	410.6	359.8	327.5	295.2	299.9
27.5°	6084.7	4460.9	2020.5	719.6	465.9	359.8	286.0	244.5	216.8	184.5	184.5
30°	6204.6	4197.9	1697.6	507.4	350.6	244.5	170.7	129.2	101.5	78.4	73.8
32.5°	6324.6	3985.7	1333.2	387.5	230.7	129.2	64.6	23.1	0.0	0.0	0.0
35°	6564.5	3745.9	894.9	216.8	78.4	4.6	0.0	0.0	0.0	0.0	0.0
37.5°	6716.7	3413.7	410.6	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7099.6	3247.6	101.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7722.4	3132.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8405.1	3086.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9313.9	3210.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10273.4	3547.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11325.2	3865.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12243.2	4248.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	13931.6	5152.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	16962.4	6928.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	20376.1	8248.3	50.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	21626.3	8216.0	87.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	21404.9	7763.9	87.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	20256.2	6896.6	78.4	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	17396.1	5697.2	78.4	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	13262.7	4437.8	73.8	18.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	8003.8	2361.9	60.0	23.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3187.7	830.4	46.1	18.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	862.7	249.1	27.7	18.5	13.8	4.6	0.0	0.0	0.0	0.0	0.0
82.5°	226.0	92.3	23.1	18.5	9.2	4.6	0.0	0.0	0.0	0.0	0.0
85°	87.6	36.9	18.5	13.8	13.8	9.2	4.6	0.0	0.0	0.0	0.0
87.5°	27.7	13.8	13.8	9.2	9.2	4.6	4.6	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)