

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: P482502

Luminaire Tested: **IFLD-S-SA6C-750-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482502
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

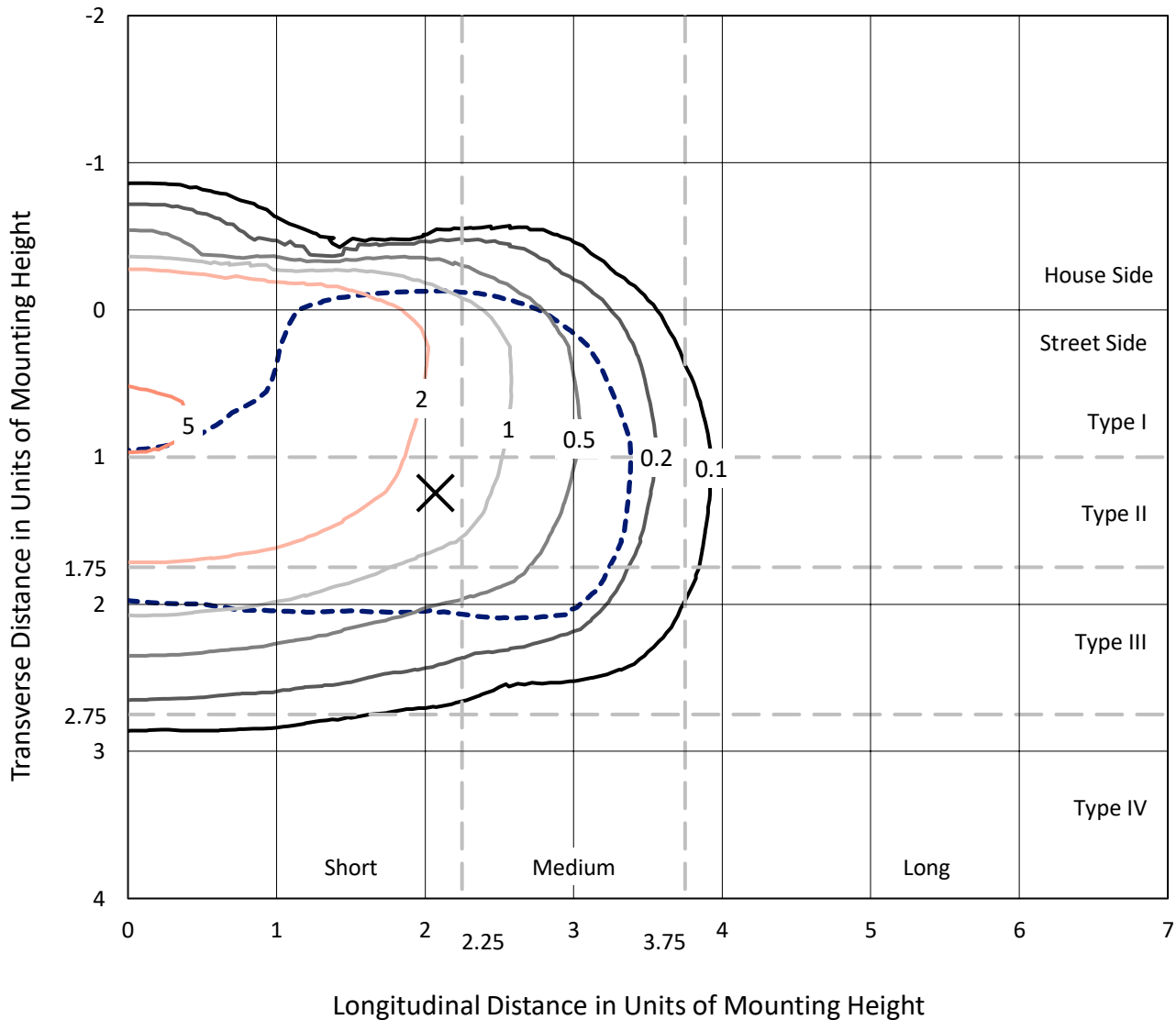
Lumens per Lamp: N/A
Luminaire Lumens: 31538.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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

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Iso-Footcandle Lines of Horizontal Illumination

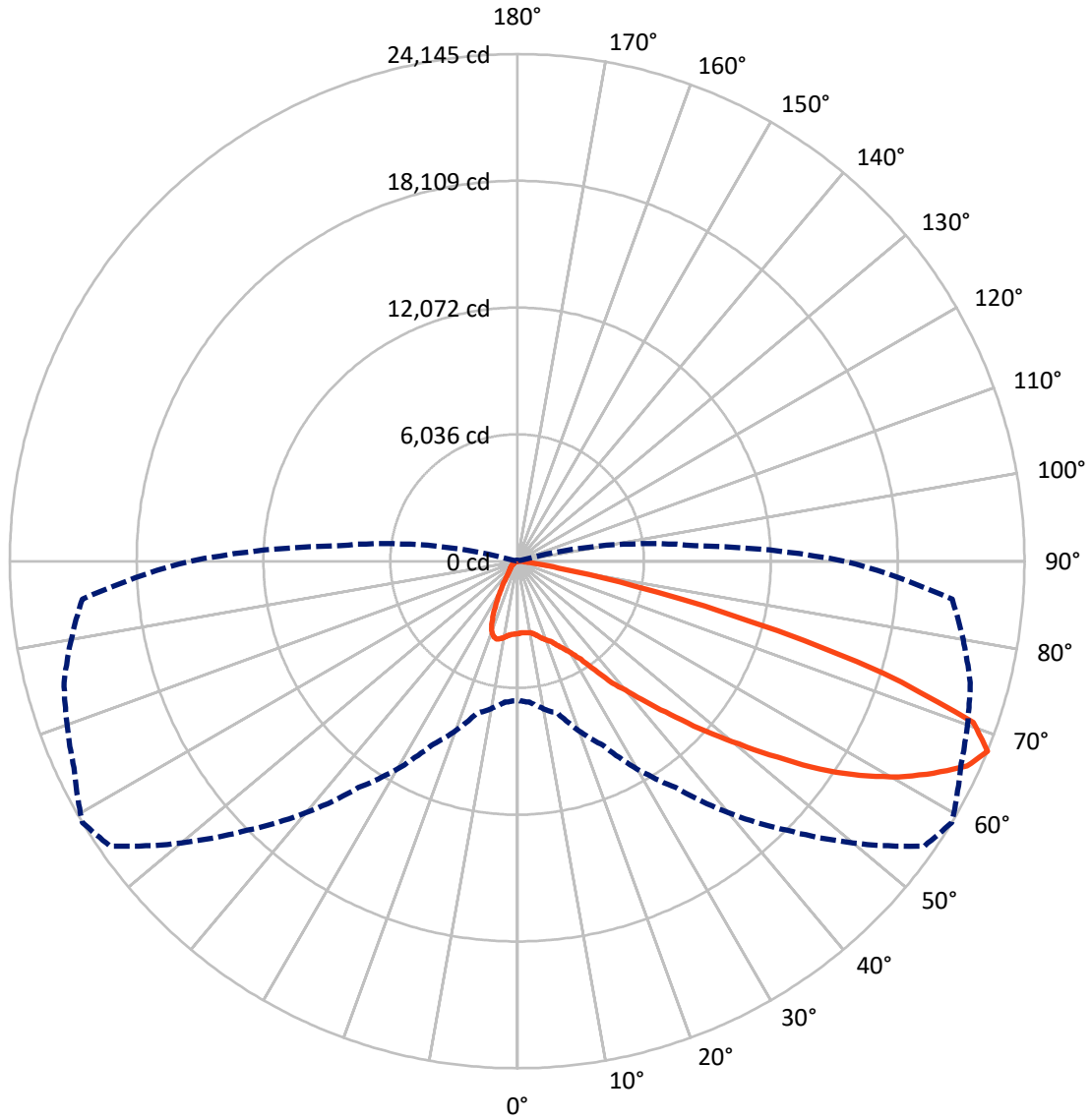
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3704.7	0.0	3704.7
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	27833.8	0.0	27833.8
	% Fixture	88.3	0.0	88.3
Total	Lumens	31538.5	0.0	31538.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	1.0
10°-20°	949.2	3.0
20°-30°	1658.9	5.3
30°-40°	2920.7	9.3
40°-50°	5162.8	16.4
50°-60°	8174.6	25.9
60°-70°	9067.9	28.8
70°-80°	3146.3	10.0
80°-90°	129.6	0.4
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°	31538.5	100.0
0°-180°	31538.5	100.0

Coefficient of Utilization

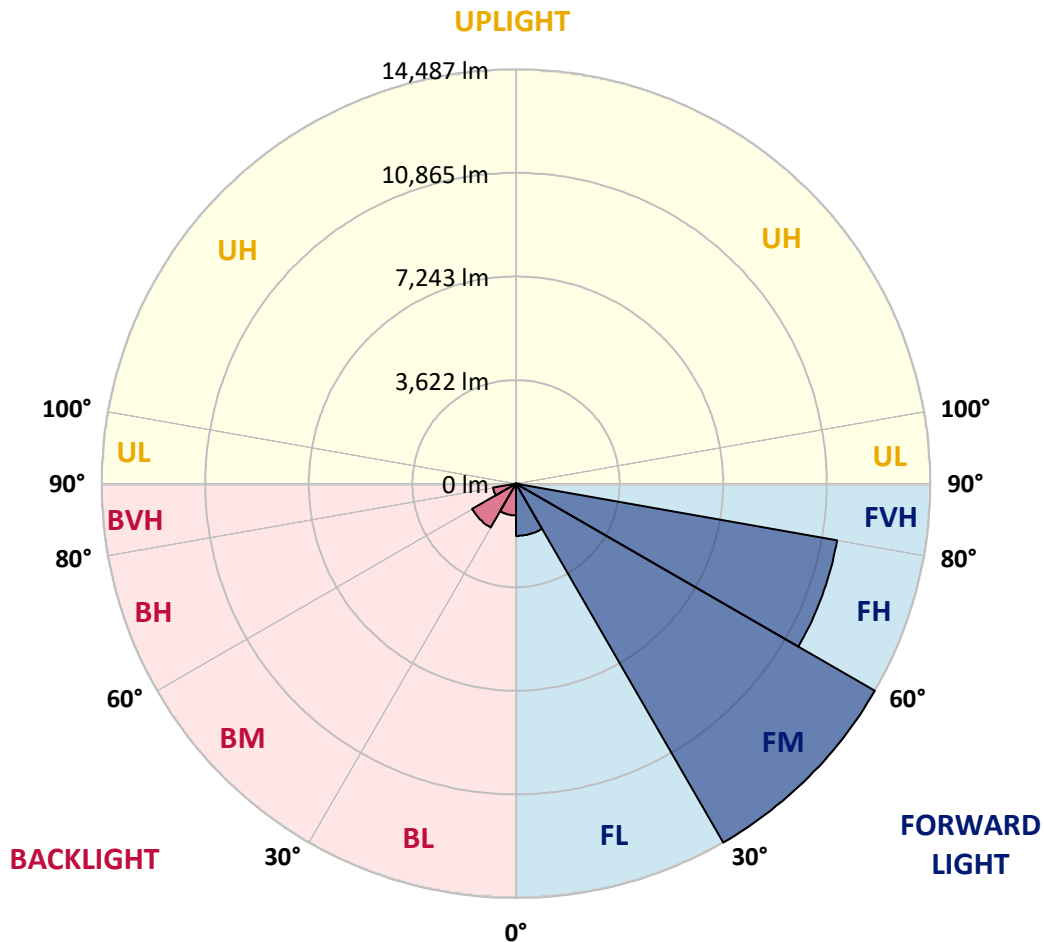


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1826.3	5.8			
FM (30°-60°)	14486.8	45.9			
FH (60°-80°)	11399.5	36.1			G4/12000
FVH (80°-90°)	121.2	0.4			G2/225
BL (0°-30°)	1110.3	3.5	B3/2500		
BM (30°-60°)	1771.3	5.6	B2/2500		
BH (60°-80°)	814.7	2.6	B2/1000		G2/1000
BVH (80°-90°)	8.4	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-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2
2.5°	3359.0	3311.1	3354.6	3359.0	3363.4	3402.6	3446.1	3415.6	3411.3	3446.1	3476.6
5°	3223.9	3202.2	3254.4	3280.6	3324.2	3359.0	3428.7	3433.1	3437.4	3476.6	3528.9
7.5°	3167.3	3115.0	3176.0	3206.5	3237.0	3319.8	3402.6	3446.1	3507.1	3555.1	3607.3
10°	3054.0	3093.2	3110.7	3163.0	3250.1	3345.9	3446.1	3467.9	3603.0	3642.2	3768.5
12.5°	3093.2	3119.4	3154.2	3167.3	3263.2	3406.9	3542.0	3550.7	3690.1	3860.0	3925.4
15°	3193.5	3176.0	3189.1	3206.5	3319.8	3437.4	3655.3	3694.5	3825.2	4016.9	4178.1
17.5°	3406.9	3376.4	3354.6	3350.3	3376.4	3485.3	3742.4	3860.0	3982.0	4243.4	4326.2
20°	3942.8	3916.7	3829.5	3603.0	3524.6	3568.1	3847.0	4012.5	4182.4	4474.3	4609.4
22.5°	4757.5	4783.6	4578.9	4260.8	3934.1	3764.2	4012.5	4156.3	4426.4	4796.7	4918.7
25°	5720.3	5668.0	5419.7	5049.4	4535.3	4134.5	4278.3	4439.5	4770.6	5075.5	5123.5
27.5°	6474.0	6413.0	6221.3	5772.6	5328.2	4679.1	4626.8	4727.0	5119.1	5393.6	5341.3
30°	7219.0	7240.8	7110.1	6578.6	6029.7	5345.7	5014.5	5058.1	5358.7	5711.6	5594.0
32.5°	8168.8	8116.5	8042.4	7576.3	6927.1	6195.2	5628.8	5559.1	5689.8	6156.0	6016.6
35°	9053.2	9022.7	8922.5	8452.0	7885.6	7088.3	6535.0	6378.2	6347.7	6866.1	6622.2
37.5°	9824.3	9772.0	9619.6	9319.0	8770.0	8099.1	7493.5	7354.1	7349.7	7707.0	7236.5
40°	10473.5	10512.7	10495.3	10164.2	9863.5	9327.7	8399.7	8177.5	8160.1	8351.8	8077.3
42.5°	11314.3	11405.8	11357.9	11292.5	10930.9	10721.8	9671.8	9332.0	9179.5	9571.6	9323.3
45°	12586.5	12621.3	12651.8	12490.6	12129.0	12172.6	10987.6	10582.4	10543.2	11127.0	10569.3
47.5°	13775.8	13684.4	13897.8	13906.5	13889.1	13688.7	12407.8	12107.2	12159.5	12603.9	12028.8
50°	14072.1	14307.4	14895.5	15004.4	15287.6	15470.6	13985.0	13684.4	13771.5	14276.9	13619.0
52.5°	14303.0	14660.3	15248.4	16045.7	16808.1	17243.8	15749.4	15505.4	15501.1	15810.4	14904.2
55°	14708.2	14926.0	15435.7	16533.6	17984.4	18698.9	17875.5	17483.4	17130.5	17348.3	16237.4
57.5°	14669.0	14751.7	15544.7	16899.6	18916.7	20215.0	19622.5	19247.8	18794.7	18668.4	17770.9
60°	13980.6	14176.7	15065.4	16651.3	19491.8	21395.7	21251.9	20868.5	20088.7	19792.4	18947.2
62.5°	12617.0	12878.4	13575.4	15779.9	18655.3	21456.7	22375.9	22232.2	21360.8	20829.3	20480.8
65°	10225.1	10347.1	11148.8	13566.7	16764.5	20520.0	23704.7	23526.1	22724.5	21931.6	21269.3
67.5°	6622.2	6739.8	7510.9	9684.9	13165.9	18102.0	23652.5	24144.8	23277.8	22323.7	20777.0
70°	3128.1	3097.6	3816.5	5380.5	8434.5	13823.8	22053.5	23025.1	22288.8	20236.8	17256.8
72.5°	954.1	1036.9	1585.8	2383.1	4330.5	8621.9	17287.3	18197.9	17967.0	16167.7	11519.1
75°	422.6	457.5	623.0	975.9	1755.7	3537.6	10678.2	11488.6	11388.4	9536.8	5258.5
77.5°	270.1	296.3	392.1	557.7	797.3	1124.0	4918.7	5707.3	5533.0	3350.3	1376.7
80°	191.7	204.8	278.8	383.4	501.0	461.8	1694.8	2012.8	1930.0	910.5	370.3
82.5°	104.6	113.3	204.8	283.2	335.5	235.3	474.9	592.5	618.6	405.2	178.6
85°	39.2	47.9	126.3	200.4	174.3	108.9	139.4	169.9	222.2	222.2	82.8
87.5°	0.0	4.4	52.3	87.1	43.6	30.5	39.2	47.9	61.0	104.6	30.5
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°	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2	3459.2
2.5°	3498.4	3467.9	3481.0	3502.8	3454.9	3481.0	3428.7	3467.9	3481.0	3428.7	3454.9
5°	3542.0	3572.5	3555.1	3520.2	3489.7	3498.4	3485.3	3454.9	3481.0	3489.7	3472.3
7.5°	3668.3	3633.5	3642.2	3603.0	3542.0	3537.6	3454.9	3433.1	3441.8	3450.5	3420.0
10°	3786.0	3807.7	3764.2	3733.7	3633.5	3568.1	3454.9	3332.9	3319.8	3267.5	3311.1
12.5°	3995.1	3942.8	3925.4	3825.2	3725.0	3507.1	3263.2	3075.8	2919.0	2862.3	2805.7
15°	4169.3	4160.6	4130.1	3977.7	3746.8	3350.3	2888.5	2452.8	2152.2	1964.9	1938.7
17.5°	4409.0	4369.8	4313.1	4073.5	3585.6	2940.8	2152.2	1603.3	1302.6	1185.0	1141.5
20°	4591.9	4561.5	4483.0	4051.7	3293.7	2191.4	1333.1	1019.5	945.4	923.6	928.0
22.5°	4857.7	4761.9	4613.7	3942.8	2762.1	1459.5	958.5	910.5	897.5	880.1	884.4
25°	5088.6	5001.5	4692.2	3755.5	1969.2	967.2	888.8	862.6	840.8	819.1	814.7
27.5°	5293.4	5184.5	4774.9	3372.1	1232.9	832.1	823.4	792.9	749.4	714.5	701.4
30°	5493.8	5367.4	4796.7	2653.2	832.1	753.7	731.9	684.0	627.4	579.4	570.7
32.5°	5829.2	5676.8	4766.2	1895.2	718.9	670.9	623.0	566.4	483.6	444.4	435.7
35°	6352.0	6121.1	4727.0	1115.3	644.8	592.5	518.4	444.4	383.4	344.2	335.5
37.5°	6953.3	6552.5	4613.7	745.0	592.5	522.8	427.0	352.9	300.6	270.1	261.4
40°	7846.4	7184.2	4178.1	609.9	527.2	444.4	344.2	278.8	239.6	217.8	209.1
42.5°	8831.0	7907.4	3507.1	548.9	466.2	379.0	274.5	226.5	196.1	174.3	174.3
45°	10011.7	8661.1	2705.5	501.0	413.9	313.7	226.5	183.0	156.8	139.4	130.7
47.5°	11327.4	9345.1	1825.5	453.1	348.5	257.0	187.3	139.4	113.3	100.2	100.2
50°	12503.7	9950.7	1163.2	396.5	305.0	213.5	152.5	113.3	91.5	74.1	69.7
52.5°	13571.1	10412.5	801.6	348.5	261.4	174.3	126.3	91.5	69.7	56.6	56.6
55°	14664.6	10647.7	592.5	300.6	226.5	148.1	104.6	82.8	61.0	47.9	43.6
57.5°	15562.1	10747.9	453.1	261.4	191.7	117.6	91.5	69.7	52.3	39.2	34.9
60°	16328.9	10700.0	352.9	217.8	152.5	100.2	78.4	56.6	43.6	30.5	26.1
62.5°	16777.6	10412.5	278.8	187.3	122.0	87.1	65.4	47.9	30.5	21.8	17.4
65°	16786.3	9802.5	217.8	139.4	91.5	74.1	56.6	39.2	21.8	8.7	4.4
67.5°	15583.9	8482.5	174.3	108.9	74.1	56.6	43.6	30.5	8.7	0.0	0.0
70°	12190.0	6417.4	143.8	87.1	61.0	47.9	30.5	17.4	4.4	0.0	0.0
72.5°	7768.0	3842.6	117.6	69.7	52.3	34.9	21.8	13.1	0.0	0.0	0.0
75°	3250.1	1185.0	91.5	61.0	39.2	26.1	17.4	4.4	0.0	0.0	0.0
77.5°	836.5	374.7	74.1	52.3	39.2	21.8	13.1	4.4	0.0	0.0	0.0
80°	248.3	139.4	61.0	43.6	30.5	17.4	8.7	4.4	0.0	0.0	0.0
82.5°	113.3	82.8	52.3	39.2	26.1	17.4	8.7	0.0	0.0	0.0	0.0
85°	43.6	26.1	26.1	21.8	21.8	13.1	4.4	0.0	0.0	0.0	0.0
87.5°	17.4	8.7	8.7	8.7	4.4	4.4	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)