

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: P482308

Luminaire Tested: **IFLD-S-SA6D-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482308
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

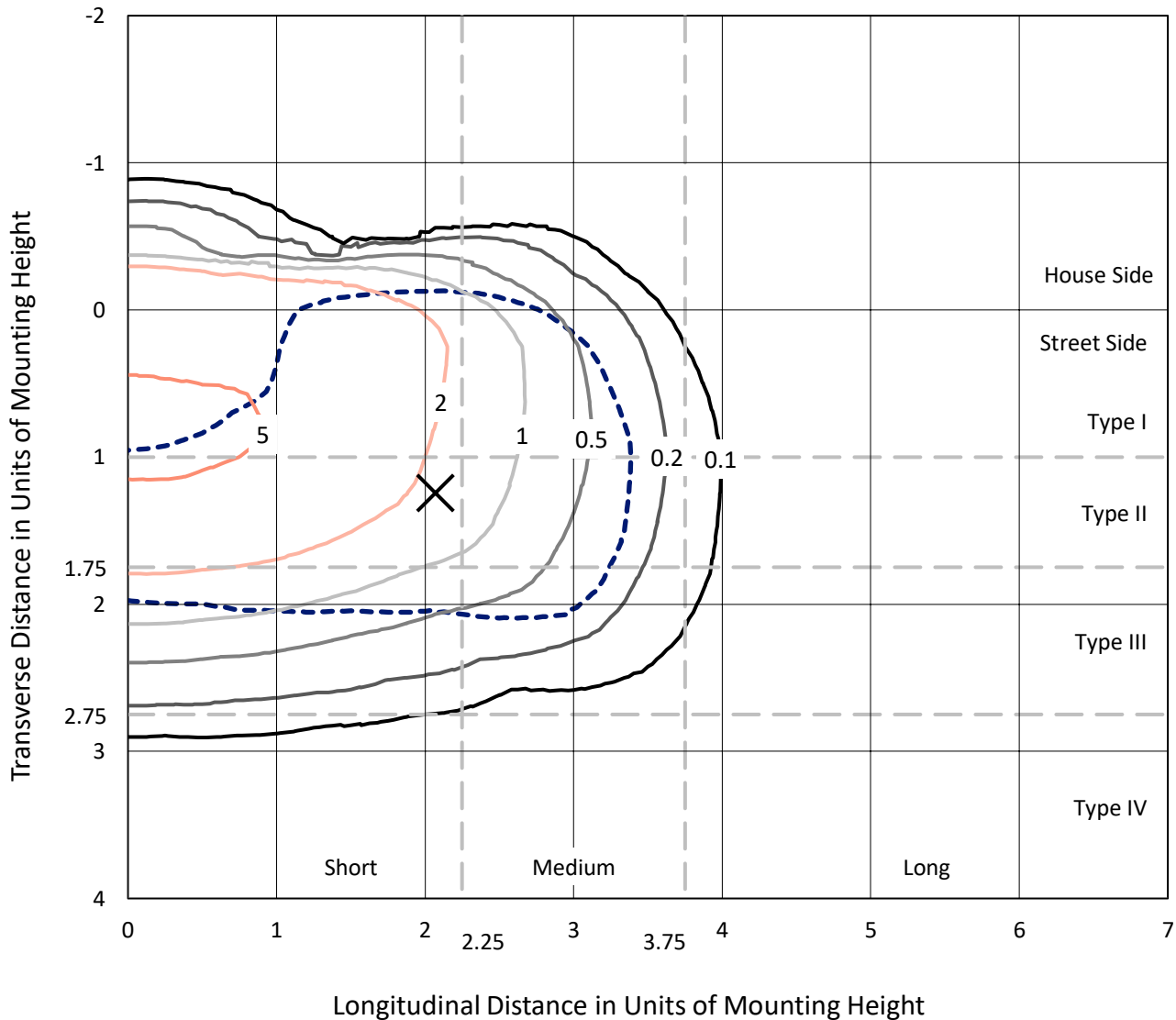
Lumens per Lamp: N/A
Luminaire Lumens: 24990.4 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (A_{in}): 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

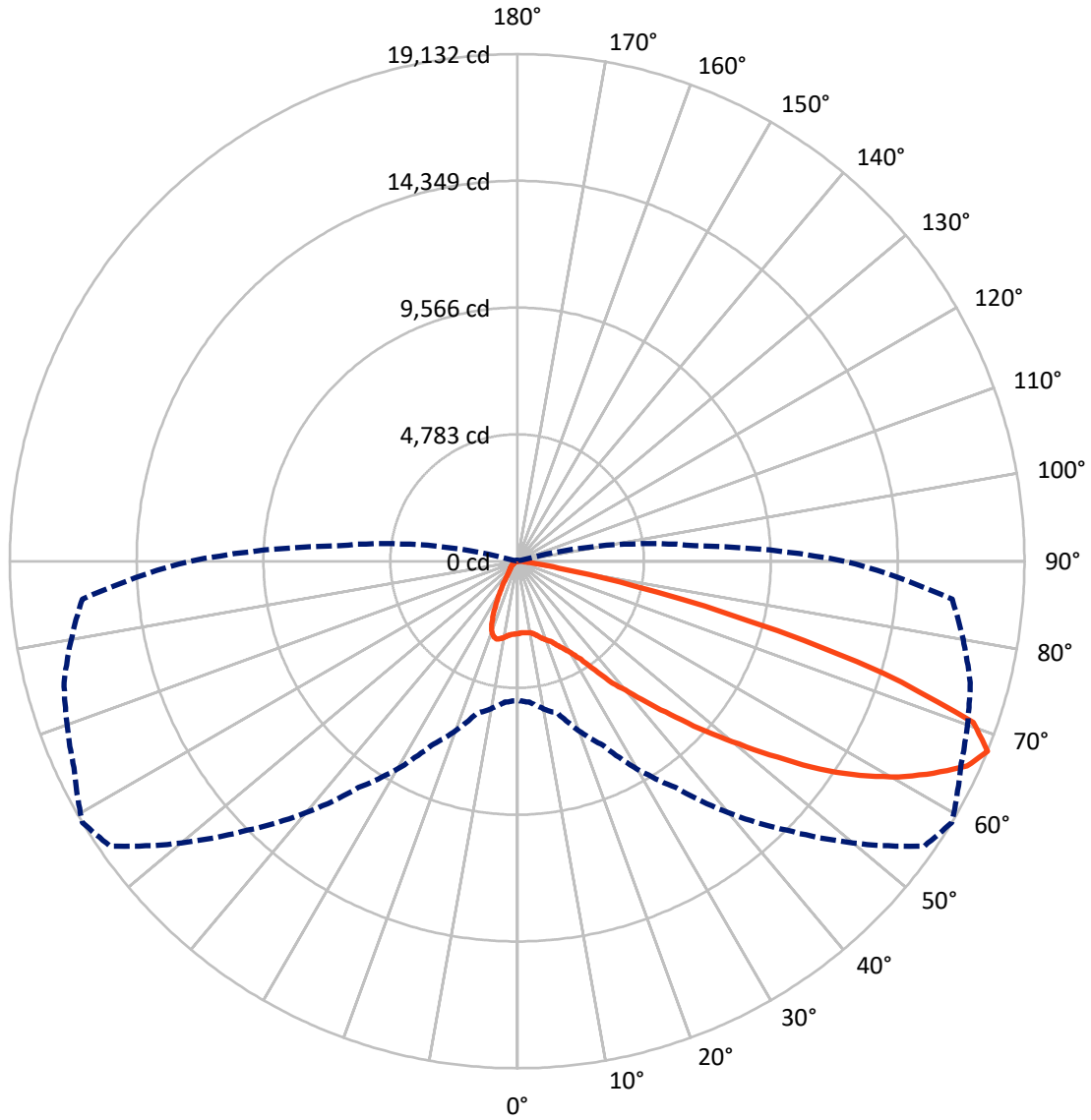
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	2935.6	0.0	2935.6
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	22054.9	0.0	22054.9
	% Fixture	88.3	0.0	88.3
Total	Lumens	24990.4	0.0	24990.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	1.0
10°-20°	752.1	3.0
20°-30°	1314.5	5.3
30°-40°	2314.3	9.3
40°-50°	4090.9	16.4
50°-60°	6477.4	25.9
60°-70°	7185.2	28.8
70°-80°	2493.1	10.0
80°-90°	102.7	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°	24990.4	100.0
0°-180°	24990.4	100.0

Coefficient of Utilization

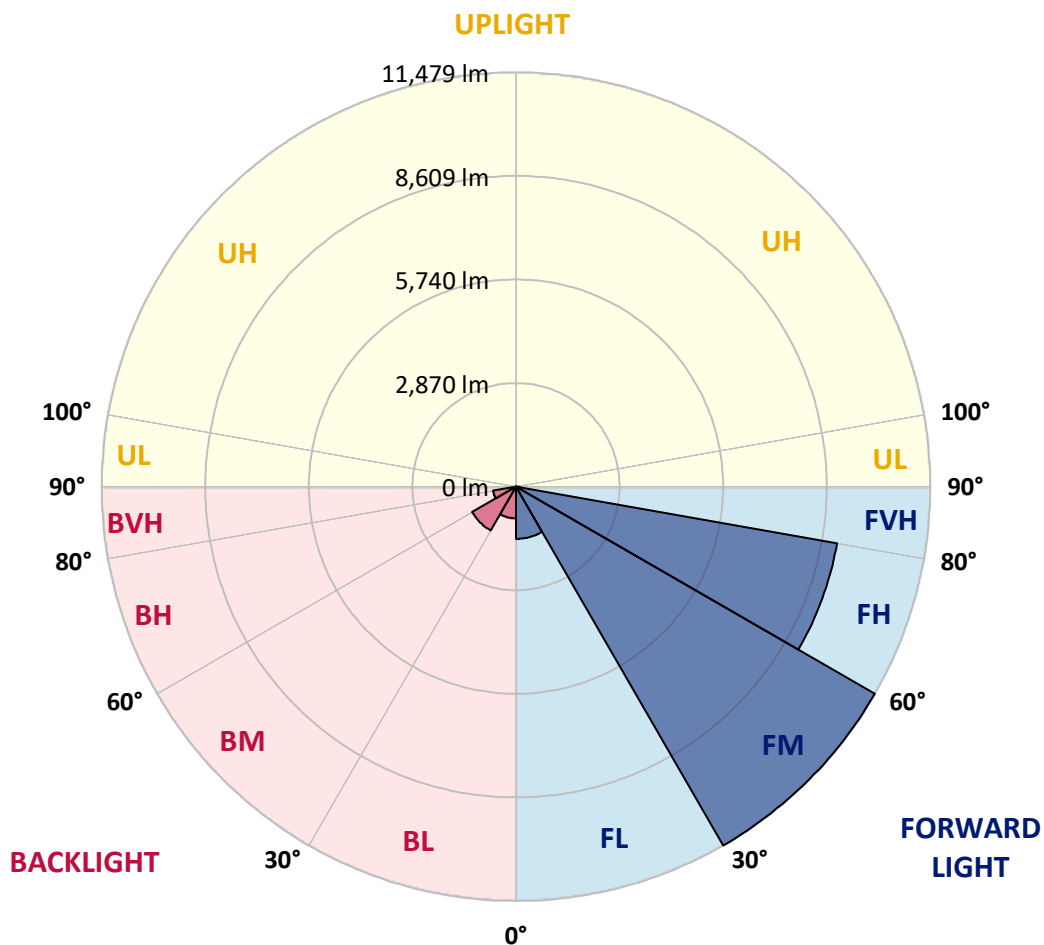


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1447.1	5.8			
FM (30°-60°)	11479.0	45.9			
FH (60°-80°)	9032.7	36.1			G4/12000
FVH (80°-90°)	96.0	0.4			G1/100
BL (0°-30°)	879.8	3.5	B2/1000		
BM (30°-60°)	1403.5	5.6	B2/2500		
BH (60°-80°)	645.6	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0
2.5°	2661.6	2623.6	2658.1	2661.6	2665.1	2696.1	2730.6	2706.5	2703.0	2730.6	2754.8
5°	2554.6	2537.3	2578.7	2599.5	2634.0	2661.6	2716.8	2720.3	2723.7	2754.8	2796.2
7.5°	2509.7	2468.3	2516.6	2540.8	2564.9	2630.5	2696.1	2730.6	2779.0	2816.9	2858.4
10°	2420.0	2451.0	2464.8	2506.3	2575.3	2651.2	2730.6	2747.9	2854.9	2886.0	2986.1
12.5°	2451.0	2471.7	2499.3	2509.7	2585.7	2699.6	2806.6	2813.5	2924.0	3058.6	3110.4
15°	2530.4	2516.6	2527.0	2540.8	2630.5	2723.7	2896.3	2927.4	3031.0	3182.9	3310.6
17.5°	2699.6	2675.4	2658.1	2654.7	2675.4	2761.7	2965.4	3058.6	3155.3	3362.4	3428.0
20°	3124.2	3103.5	3034.4	2854.9	2792.8	2827.3	3048.2	3179.4	3314.1	3545.3	3652.4
22.5°	3769.7	3790.5	3628.2	3376.2	3117.3	2982.6	3179.4	3293.3	3507.4	3800.8	3897.5
25°	4532.7	4491.2	4294.5	4001.0	3593.7	3276.1	3390.0	3517.7	3780.1	4021.7	4059.7
27.5°	5129.9	5081.6	4929.7	4574.1	4222.0	3707.6	3666.2	3745.6	4056.3	4273.8	4232.3
30°	5720.2	5737.5	5633.9	5212.7	4777.8	4235.8	3973.4	4007.9	4246.1	4525.8	4432.5
32.5°	6472.8	6431.3	6372.7	6003.3	5488.9	4908.9	4460.2	4404.9	4508.5	4877.9	4767.4
35°	7173.5	7149.4	7070.0	6697.2	6248.4	5616.6	5178.2	5053.9	5029.8	5440.6	5247.3
37.5°	7784.6	7743.2	7622.3	7384.1	6949.2	6417.5	5937.7	5827.2	5823.8	6106.8	5734.0
40°	8298.9	8330.0	8316.2	8053.8	7815.6	7391.0	6655.7	6479.7	6465.9	6617.8	6400.3
42.5°	8965.2	9037.7	8999.7	8947.9	8661.4	8495.7	7663.8	7394.5	7273.7	7584.4	7387.6
45°	9973.2	10000.9	10025.0	9897.3	9610.8	9645.3	8706.3	8385.3	8354.2	8816.8	8374.9
47.5°	10915.7	10843.2	11012.3	11019.2	11005.4	10846.6	9831.7	9593.5	9634.9	9987.0	9531.4
50°	11150.4	11336.8	11802.9	11889.2	12113.6	12258.6	11081.4	10843.2	10912.2	11312.7	10791.4
52.5°	11333.4	11616.5	12082.5	12714.2	13318.4	13663.6	12479.5	12286.2	12282.7	12527.8	11809.8
55°	11654.4	11827.0	12230.9	13100.9	14250.4	14816.6	14164.1	13853.4	13573.8	13746.4	12866.1
57.5°	11623.4	11688.9	12317.2	13390.9	14989.2	16017.9	15548.4	15251.6	14892.5	14792.4	14081.3
60°	11077.9	11233.3	11937.5	13194.1	15444.9	16953.5	16839.5	16535.8	15917.8	15683.1	15013.4
62.5°	9997.4	10204.5	10756.9	12503.7	14782.1	17001.8	17730.2	17616.3	16925.8	16504.7	16228.5
65°	8102.2	8198.8	8834.0	10750.0	13283.8	16259.6	18783.1	18641.6	18006.4	17378.1	16853.4
67.5°	5247.3	5340.5	5951.5	7674.1	10432.4	14343.6	18741.7	19131.8	18444.8	17688.8	16463.3
70°	2478.6	2454.5	3024.1	4263.4	6683.3	10953.6	17474.7	18244.6	17661.2	16035.2	13673.9
72.5°	756.0	821.6	1256.6	1888.3	3431.4	6831.8	13698.1	14419.6	14236.6	12810.9	9127.5
75°	334.9	362.5	493.7	773.3	1391.2	2803.1	8461.2	9103.3	9023.9	7556.7	4166.7
77.5°	214.0	234.7	310.7	441.9	631.7	890.7	3897.5	4522.3	4384.2	2654.7	1090.9
80°	151.9	162.3	220.9	303.8	397.0	365.9	1342.9	1594.9	1529.3	721.5	293.4
82.5°	82.9	89.8	162.3	224.4	265.8	186.4	376.3	469.5	490.2	321.0	141.5
85°	31.1	38.0	100.1	158.8	138.1	86.3	110.5	134.6	176.1	176.1	65.6
87.5°	0.0	3.5	41.4	69.0	34.5	24.2	31.1	38.0	48.3	82.9	24.2
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°	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0
2.5°	2772.1	2747.9	2758.3	2775.5	2737.5	2758.3	2716.8	2747.9	2758.3	2716.8	2737.5
5°	2806.6	2830.8	2816.9	2789.3	2765.2	2772.1	2761.7	2737.5	2758.3	2765.2	2751.4
7.5°	2906.7	2879.1	2886.0	2854.9	2806.6	2803.1	2737.5	2720.3	2727.2	2734.1	2709.9
10°	2999.9	3017.2	2982.6	2958.5	2879.1	2827.3	2737.5	2640.9	2630.5	2589.1	2623.6
12.5°	3165.6	3124.2	3110.4	3031.0	2951.6	2779.0	2585.7	2437.2	2312.9	2268.1	2223.2
15°	3303.7	3296.8	3272.6	3151.8	2968.8	2654.7	2288.8	1943.6	1705.4	1556.9	1536.2
17.5°	3493.6	3462.5	3417.6	3227.8	2841.1	2330.2	1705.4	1270.4	1032.2	939.0	904.5
20°	3638.6	3614.4	3552.3	3210.5	2609.8	1736.4	1056.4	807.8	749.1	731.9	735.3
22.5°	3849.1	3773.2	3655.8	3124.2	2188.7	1156.5	759.5	721.5	711.1	697.3	700.8
25°	4032.1	3963.1	3718.0	2975.7	1560.4	766.4	704.2	683.5	666.3	649.0	645.6
27.5°	4194.4	4108.0	3783.5	2672.0	977.0	659.4	652.5	628.3	593.8	566.2	555.8
30°	4353.1	4253.0	3800.8	2102.4	659.4	597.2	580.0	542.0	497.1	459.1	452.2
32.5°	4619.0	4498.1	3776.6	1501.7	569.6	531.6	493.7	448.8	383.2	352.1	345.2
35°	5033.2	4850.3	3745.6	883.7	510.9	469.5	410.8	352.1	303.8	272.7	265.8
37.5°	5509.6	5192.0	3655.8	590.3	469.5	414.3	338.3	279.6	238.2	214.0	207.1
40°	6217.3	5692.6	3310.6	483.3	417.7	352.1	272.7	220.9	189.9	172.6	165.7
42.5°	6997.5	6265.6	2779.0	435.0	369.4	300.3	217.5	179.5	155.3	138.1	138.1
45°	7933.0	6862.9	2143.8	397.0	328.0	248.6	179.5	145.0	124.3	110.5	103.6
47.5°	8975.6	7404.8	1446.4	359.0	276.2	203.7	148.4	110.5	89.8	79.4	79.4
50°	9907.6	7884.7	921.7	314.1	241.6	169.2	120.8	89.8	72.5	58.7	55.2
52.5°	10753.4	8250.6	635.2	276.2	207.1	138.1	100.1	72.5	55.2	44.9	44.9
55°	11619.9	8437.0	469.5	238.2	179.5	117.4	82.9	65.6	48.3	38.0	34.5
57.5°	12331.0	8516.4	359.0	207.1	151.9	93.2	72.5	55.2	41.4	31.1	27.6
60°	12938.6	8478.5	279.6	172.6	120.8	79.4	62.1	44.9	34.5	24.2	20.7
62.5°	13294.2	8250.6	220.9	148.4	96.7	69.0	51.8	38.0	24.2	17.3	13.8
65°	13301.1	7767.3	172.6	110.5	72.5	58.7	44.9	31.1	17.3	6.9	3.5
67.5°	12348.3	6721.3	138.1	86.3	58.7	44.9	34.5	24.2	6.9	0.0	0.0
70°	9659.1	5085.0	113.9	69.0	48.3	38.0	24.2	13.8	3.5	0.0	0.0
72.5°	6155.2	3044.8	93.2	55.2	41.4	27.6	17.3	10.4	0.0	0.0	0.0
75°	2575.3	939.0	72.5	48.3	31.1	20.7	13.8	3.5	0.0	0.0	0.0
77.5°	662.8	296.9	58.7	41.4	31.1	17.3	10.4	3.5	0.0	0.0	0.0
80°	196.8	110.5	48.3	34.5	24.2	13.8	6.9	3.5	0.0	0.0	0.0
82.5°	89.8	65.6	41.4	31.1	20.7	13.8	6.9	0.0	0.0	0.0	0.0
85°	34.5	20.7	20.7	17.3	17.3	10.4	3.5	0.0	0.0	0.0	0.0
87.5°	13.8	6.9	6.9	6.9	3.5	3.5	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)