

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: P482384

Luminaire Tested: **IFLD-S-SA6B-730-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482384
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

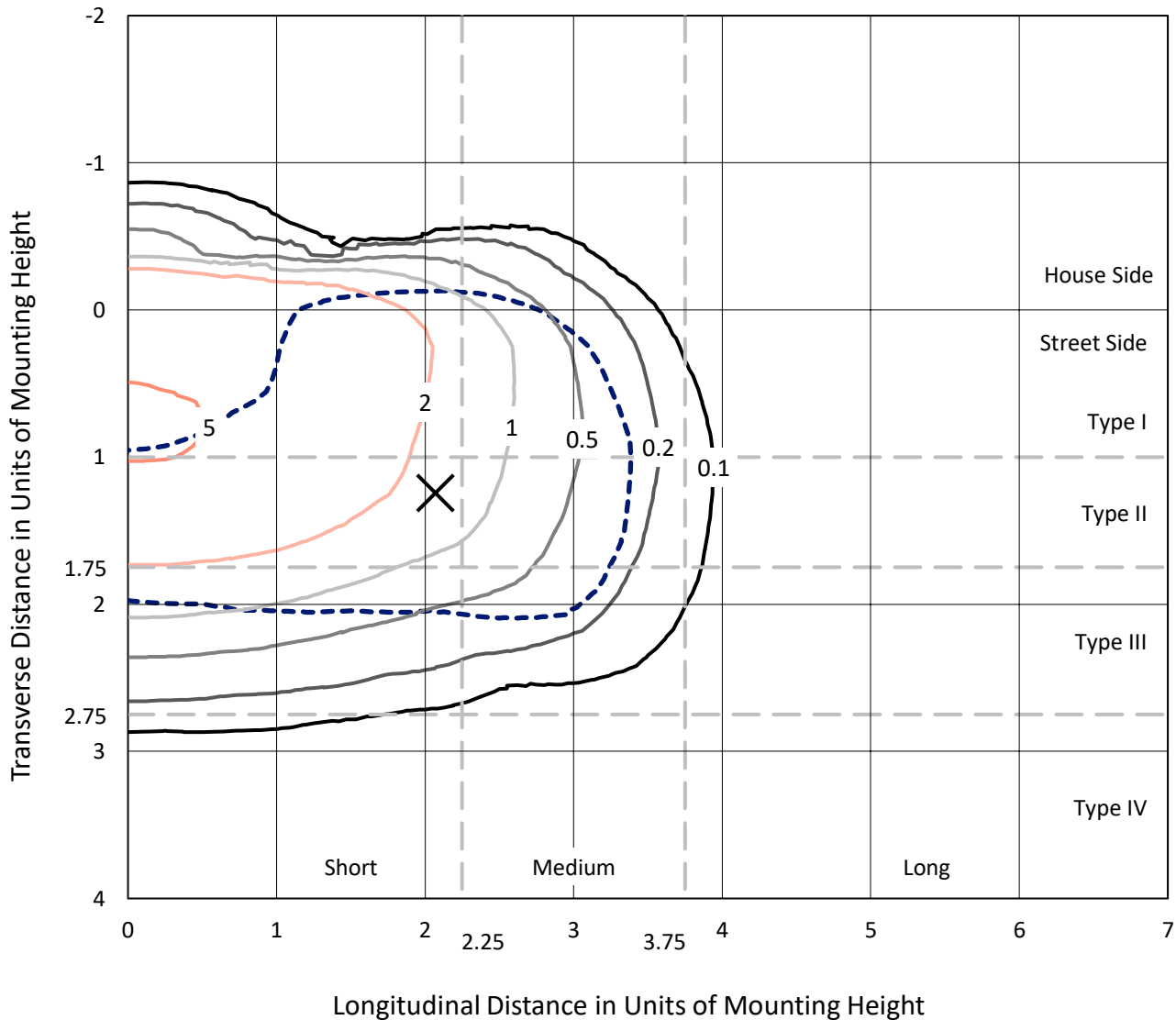
Lumens per Lamp: N/A
Luminaire Lumens: 22554.2 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9
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

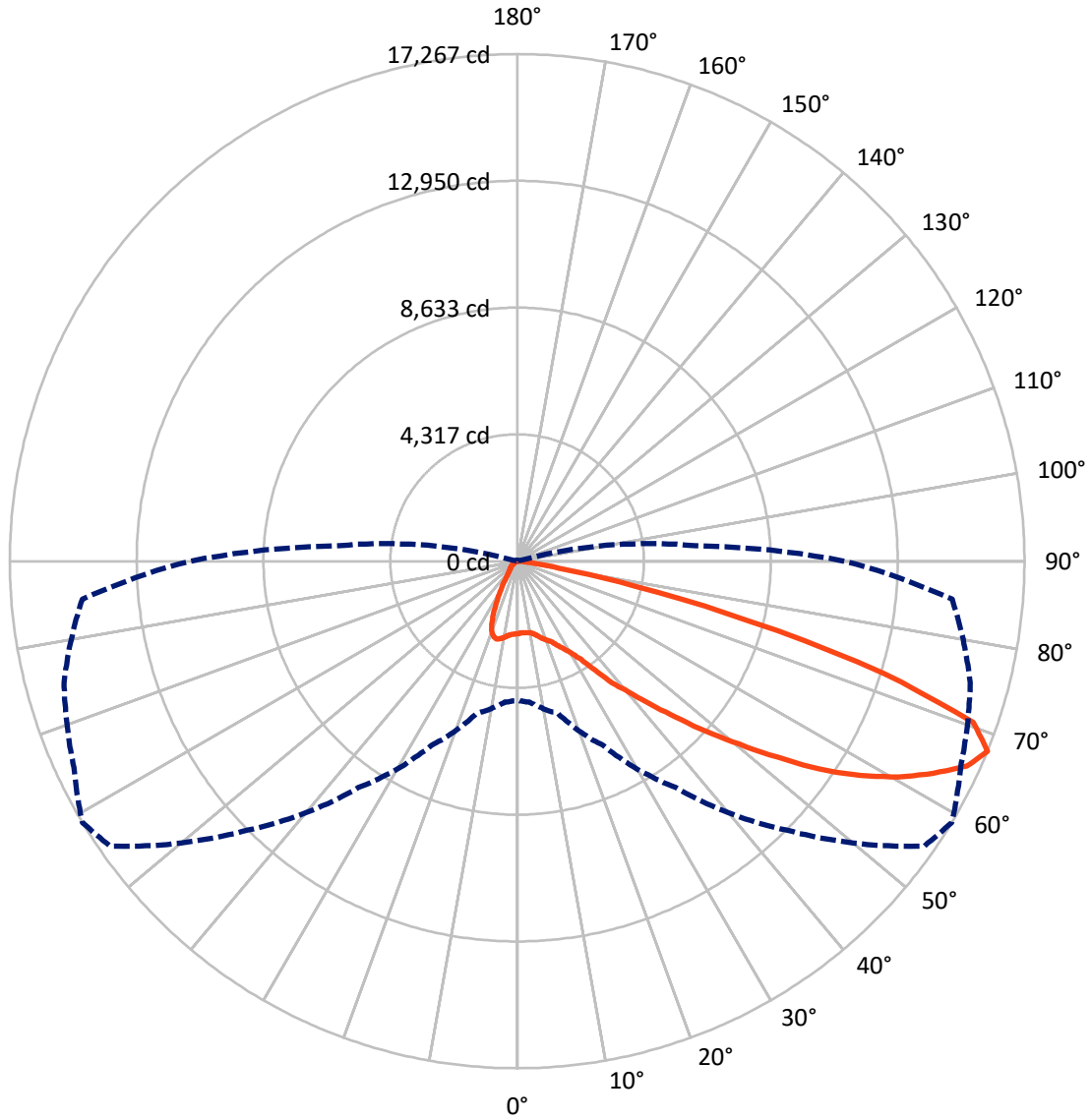
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2649.4	0.0	2649.4
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	19904.8	0.0	19904.8
	% Fixture	88.3	0.0	88.3
Total	Lumens	22554.2	0.0	22554.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	1.0
10°-20°	678.8	3.0
20°-30°	1186.3	5.3
30°-40°	2088.7	9.3
40°-50°	3692.1	16.4
50°-60°	5845.9	25.9
60°-70°	6484.7	28.8
70°-80°	2250.0	10.0
80°-90°	92.7	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°	22554.2	100.0
0°-180°	22554.2	100.0

Coefficient of Utilization

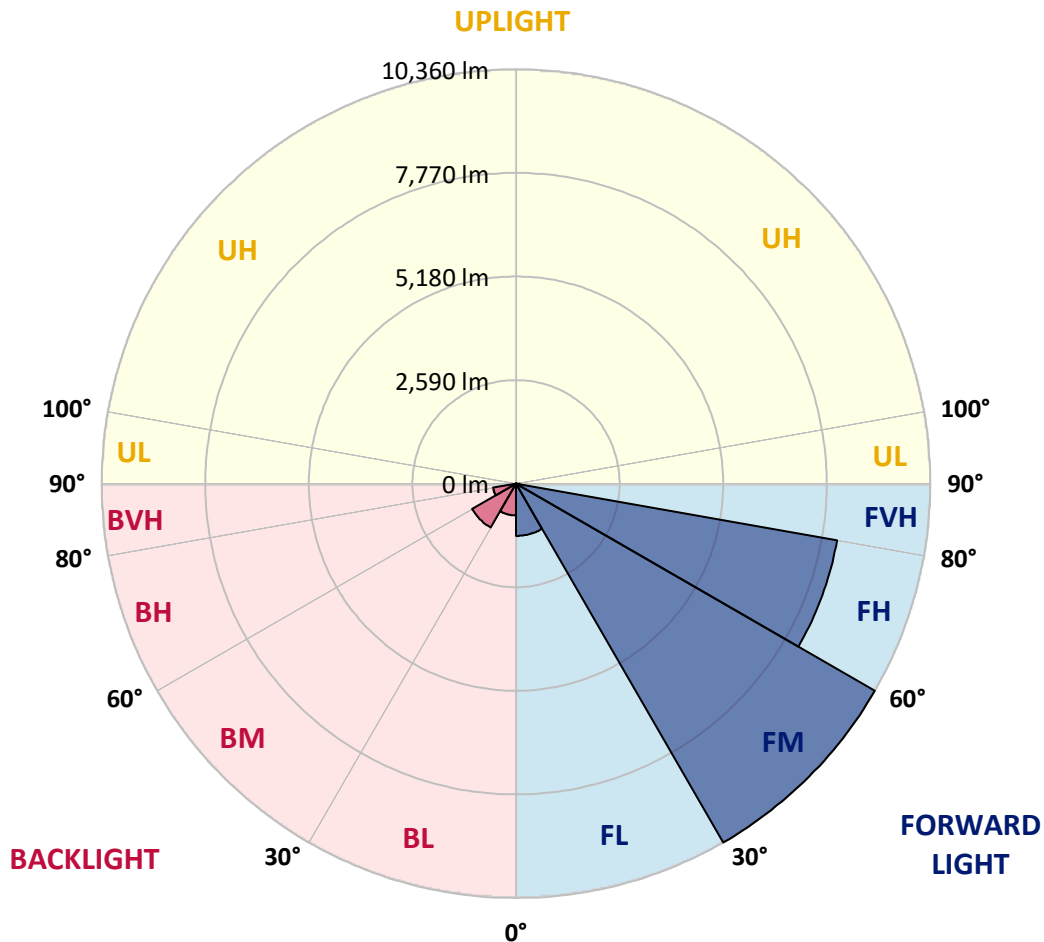


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1306.1	5.8			
FM (30°-60°)	10360.0	45.9			
FH (60°-80°)	8152.1	36.1			G4/12000
FVH (80°-90°)	86.7	0.4			G1/100
BL (0°-30°)	794.0	3.5	B2/1000		
BM (30°-60°)	1266.7	5.6	B2/2500		
BH (60°-80°)	582.6	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.0	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°	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
2.5°	2402.1	2367.9	2399.0	2402.1	2405.2	2433.3	2464.4	2442.6	2439.5	2464.4	2486.3
5°	2305.6	2290.0	2327.4	2346.1	2377.2	2402.1	2452.0	2455.1	2458.2	2486.3	2523.6
7.5°	2265.0	2227.7	2271.3	2293.1	2314.9	2374.1	2433.3	2464.4	2508.1	2542.3	2579.7
10°	2184.0	2212.1	2224.5	2261.9	2324.2	2392.8	2464.4	2480.0	2576.6	2604.6	2695.0
12.5°	2212.1	2230.8	2255.7	2265.0	2333.6	2436.4	2533.0	2539.2	2638.9	2760.4	2807.2
15°	2283.7	2271.3	2280.6	2293.1	2374.1	2458.2	2614.0	2642.0	2735.5	2872.6	2987.9
17.5°	2436.4	2414.6	2399.0	2395.9	2414.6	2492.5	2676.3	2760.4	2847.7	3034.6	3093.8
20°	2819.6	2800.9	2738.6	2576.6	2520.5	2551.7	2751.1	2869.5	2991.0	3199.7	3296.3
22.5°	3402.2	3420.9	3274.5	3047.1	2813.4	2691.9	2869.5	2972.3	3165.5	3430.3	3517.5
25°	4090.8	4053.4	3875.8	3611.0	3243.3	2956.7	3059.5	3174.8	3411.6	3629.7	3664.0
27.5°	4629.8	4586.2	4449.1	4128.2	3810.4	3346.2	3308.8	3380.4	3660.8	3857.1	3819.7
30°	5162.6	5178.1	5084.7	4704.6	4312.0	3822.9	3586.1	3617.2	3832.2	4084.6	4000.4
32.5°	5841.8	5804.4	5751.4	5418.0	4953.8	4430.4	4025.4	3975.5	4069.0	4402.4	4302.7
35°	6474.2	6452.4	6380.8	6044.3	5639.3	5069.1	4673.4	4561.3	4539.4	4910.2	4735.7
37.5°	7025.7	6988.3	6879.3	6664.3	6271.7	5791.9	5358.8	5259.1	5256.0	5511.5	5175.0
40°	7489.9	7518.0	7505.5	7268.7	7053.7	6670.5	6006.9	5848.0	5835.5	5972.6	5776.3
42.5°	8091.2	8156.7	8122.4	8075.7	7817.1	7667.5	6916.7	6673.6	6564.6	6845.0	6667.4
45°	9001.0	9025.9	9047.7	8932.4	8673.9	8705.0	7857.6	7567.8	7539.8	7957.3	7558.5
47.5°	9851.6	9786.1	9938.8	9945.0	9932.6	9789.2	8873.3	8658.3	8695.7	9013.5	8602.2
50°	10063.4	10231.7	10652.3	10730.2	10932.7	11063.5	10001.1	9786.1	9848.4	10209.8	9739.4
52.5°	10228.5	10484.0	10904.6	11474.8	12020.0	12331.6	11262.9	11088.5	11085.3	11306.5	10658.5
55°	10518.3	10674.1	11038.6	11823.7	12861.2	13372.2	12783.3	12502.9	12250.6	12406.4	11611.9
57.5°	10490.3	10549.4	11116.5	12085.4	13528.0	14456.4	14032.7	13764.8	13440.7	13350.4	12708.6
60°	9998.0	10138.2	10773.8	11907.9	13939.2	15300.8	15197.9	14923.8	14366.1	14154.2	13549.8
62.5°	9022.8	9209.7	9708.2	11284.7	13341.0	15344.4	16001.8	15898.9	15275.8	14895.7	14646.5
65°	7312.3	7399.6	7972.8	9702.0	11988.9	14674.5	16952.0	16824.3	16251.0	15684.0	15210.4
67.5°	4735.7	4819.8	5371.3	6926.0	9415.4	12945.4	16914.6	17266.7	16646.7	15964.4	14858.3
70°	2237.0	2215.2	2729.3	3847.8	6031.8	9885.8	15771.2	16466.0	15939.5	14472.0	12340.9
72.5°	682.3	741.5	1134.1	1704.2	3096.9	6165.8	12362.7	13013.9	12848.8	11562.0	8237.7
75°	302.2	327.1	445.5	697.9	1255.6	2529.9	7636.4	8215.9	8144.2	6820.1	3760.5
77.5°	193.2	211.9	280.4	398.8	570.2	803.8	3517.5	4081.4	3956.8	2395.9	984.5
80°	137.1	146.4	199.4	274.2	358.3	330.3	1212.0	1439.4	1380.2	651.2	264.8
82.5°	74.8	81.0	146.4	202.5	239.9	168.2	339.6	423.7	442.4	289.8	127.7
85°	28.0	34.3	90.4	143.3	124.6	77.9	99.7	121.5	158.9	158.9	59.2
87.5°	0.0	3.1	37.4	62.3	31.2	21.8	28.0	34.3	43.6	74.8	21.8
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°	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
2.5°	2501.8	2480.0	2489.4	2504.9	2470.7	2489.4	2452.0	2480.0	2489.4	2452.0	2470.7
5°	2533.0	2554.8	2542.3	2517.4	2495.6	2501.8	2492.5	2470.7	2489.4	2495.6	2483.1
7.5°	2623.3	2598.4	2604.6	2576.6	2533.0	2529.9	2470.7	2455.1	2461.3	2467.6	2445.8
10°	2707.5	2723.0	2691.9	2670.1	2598.4	2551.7	2470.7	2383.4	2374.1	2336.7	2367.9
12.5°	2857.0	2819.6	2807.2	2735.5	2663.8	2508.1	2333.6	2199.6	2087.5	2047.0	2006.5
15°	2981.6	2975.4	2953.6	2844.6	2679.4	2395.9	2065.6	1754.1	1539.1	1405.1	1386.4
17.5°	3153.0	3125.0	3084.5	2913.1	2564.1	2103.0	1539.1	1146.5	931.6	847.4	816.3
20°	3283.9	3262.0	3206.0	2897.5	2355.4	1567.2	953.4	729.1	676.1	660.5	663.6
22.5°	3473.9	3405.4	3299.4	2819.6	1975.3	1043.7	685.4	651.2	641.8	629.4	632.5
25°	3639.0	3576.7	3355.5	2685.7	1408.3	691.7	635.6	616.9	601.3	585.7	582.6
27.5°	3785.5	3707.6	3414.7	2411.5	881.7	595.1	588.8	567.0	535.9	511.0	501.6
30°	3928.8	3838.4	3430.3	1897.4	595.1	539.0	523.4	489.2	448.6	414.4	408.1
32.5°	4168.7	4059.6	3408.5	1355.3	514.1	479.8	445.5	405.0	345.8	317.8	311.6
35°	4542.6	4377.4	3380.4	797.6	461.1	423.7	370.8	317.8	274.2	246.1	239.9
37.5°	4972.5	4685.9	3299.4	532.8	423.7	373.9	305.3	252.4	215.0	193.2	186.9
40°	5611.2	5137.6	2987.9	436.2	377.0	317.8	246.1	199.4	171.4	155.8	149.5
42.5°	6315.3	5654.8	2508.1	392.6	333.4	271.1	196.3	162.0	140.2	124.6	124.6
45°	7159.7	6193.8	1934.8	358.3	296.0	224.3	162.0	130.9	112.2	99.7	93.5
47.5°	8100.6	6683.0	1305.4	324.0	249.2	183.8	134.0	99.7	81.0	71.7	71.7
50°	8941.8	7116.0	831.9	283.5	218.1	152.7	109.0	81.0	65.4	53.0	49.8
52.5°	9705.1	7446.3	573.3	249.2	186.9	124.6	90.4	65.4	49.8	40.5	40.5
55°	10487.1	7614.5	423.7	215.0	162.0	105.9	74.8	59.2	43.6	34.3	31.2
57.5°	11129.0	7686.2	324.0	186.9	137.1	84.1	65.4	49.8	37.4	28.0	24.9
60°	11677.3	7651.9	252.4	155.8	109.0	71.7	56.1	40.5	31.2	21.8	18.7
62.5°	11998.2	7446.3	199.4	134.0	87.2	62.3	46.7	34.3	21.8	15.6	12.5
65°	12004.4	7010.1	155.8	99.7	65.4	53.0	40.5	28.0	15.6	6.2	3.1
67.5°	11144.5	6066.1	124.6	77.9	53.0	40.5	31.2	21.8	6.2	0.0	0.0
70°	8717.5	4589.3	102.8	62.3	43.6	34.3	21.8	12.5	3.1	0.0	0.0
72.5°	5555.1	2748.0	84.1	49.8	37.4	24.9	15.6	9.3	0.0	0.0	0.0
75°	2324.2	847.4	65.4	43.6	28.0	18.7	12.5	3.1	0.0	0.0	0.0
77.5°	598.2	267.9	53.0	37.4	28.0	15.6	9.3	3.1	0.0	0.0	0.0
80°	177.6	99.7	43.6	31.2	21.8	12.5	6.2	3.1	0.0	0.0	0.0
82.5°	81.0	59.2	37.4	28.0	18.7	12.5	6.2	0.0	0.0	0.0	0.0
85°	31.2	18.7	18.7	15.6	15.6	9.3	3.1	0.0	0.0	0.0	0.0
87.5°	12.5	6.2	6.2	6.2	3.1	3.1	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)