

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: P482706

Luminaire Tested: **IFLD-L-SA7B-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482706
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

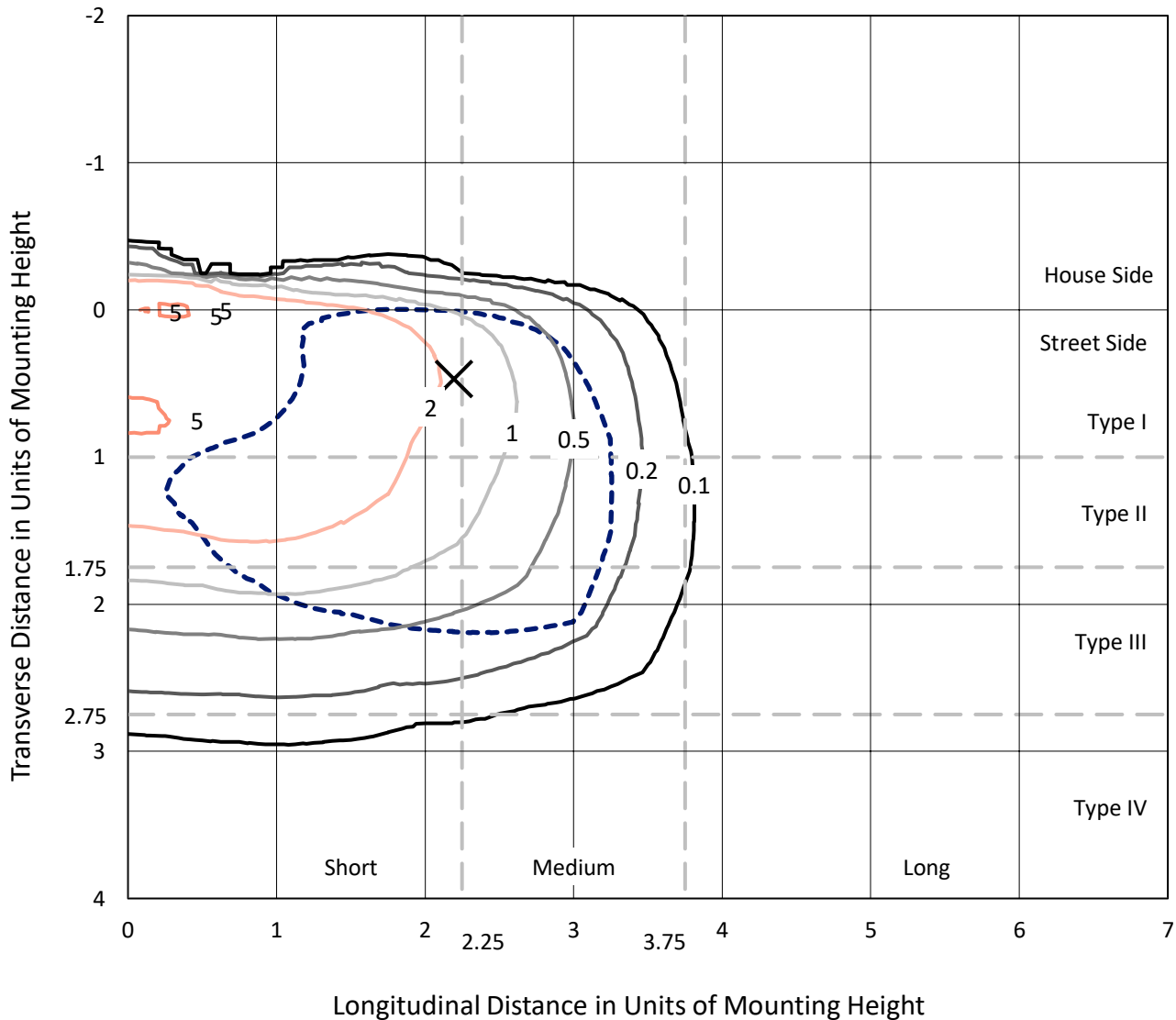
Lumens per Lamp: N/A
Luminaire Lumens: 18803.5 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 281
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

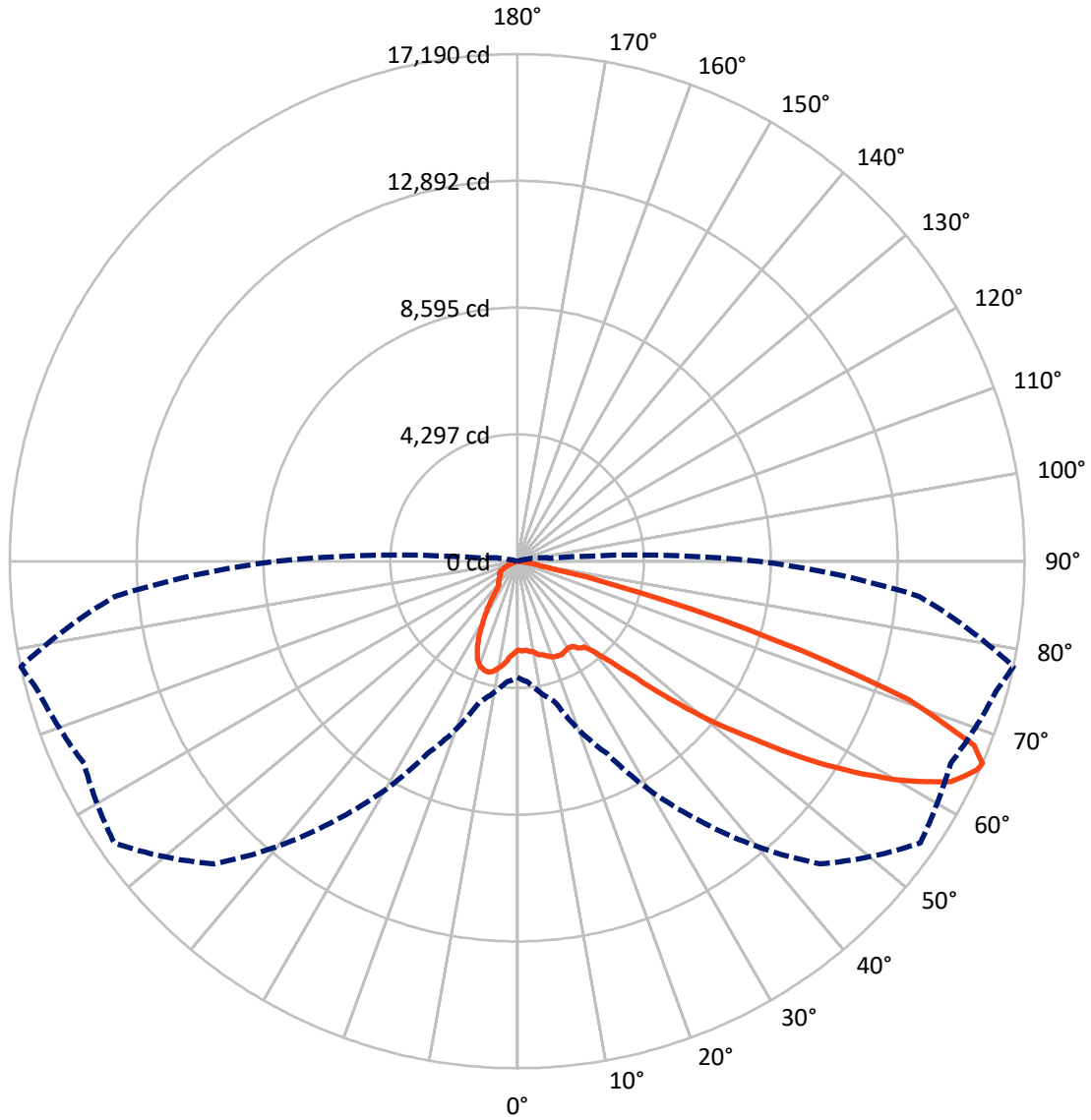
✕ Max cd
 - - - 1/2 Max cd



Based on 25 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 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1322.0	0.0	1322.0
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	17481.5	0.0	17481.5
	% Fixture	93.0	0.0	93.0
Total	Lumens	18803.5	0.0	18803.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	1.5
10°-20°	622.0	3.3
20°-30°	889.0	4.7
30°-40°	1521.7	8.1
40°-50°	2746.5	14.6
50°-60°	4696.9	25.0
60°-70°	5781.0	30.7
70°-80°	2185.5	11.6
80°-90°	85.4	0.5
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°	18803.5	100.0
0°-180°	18803.5	100.0

Coefficient of Utilization

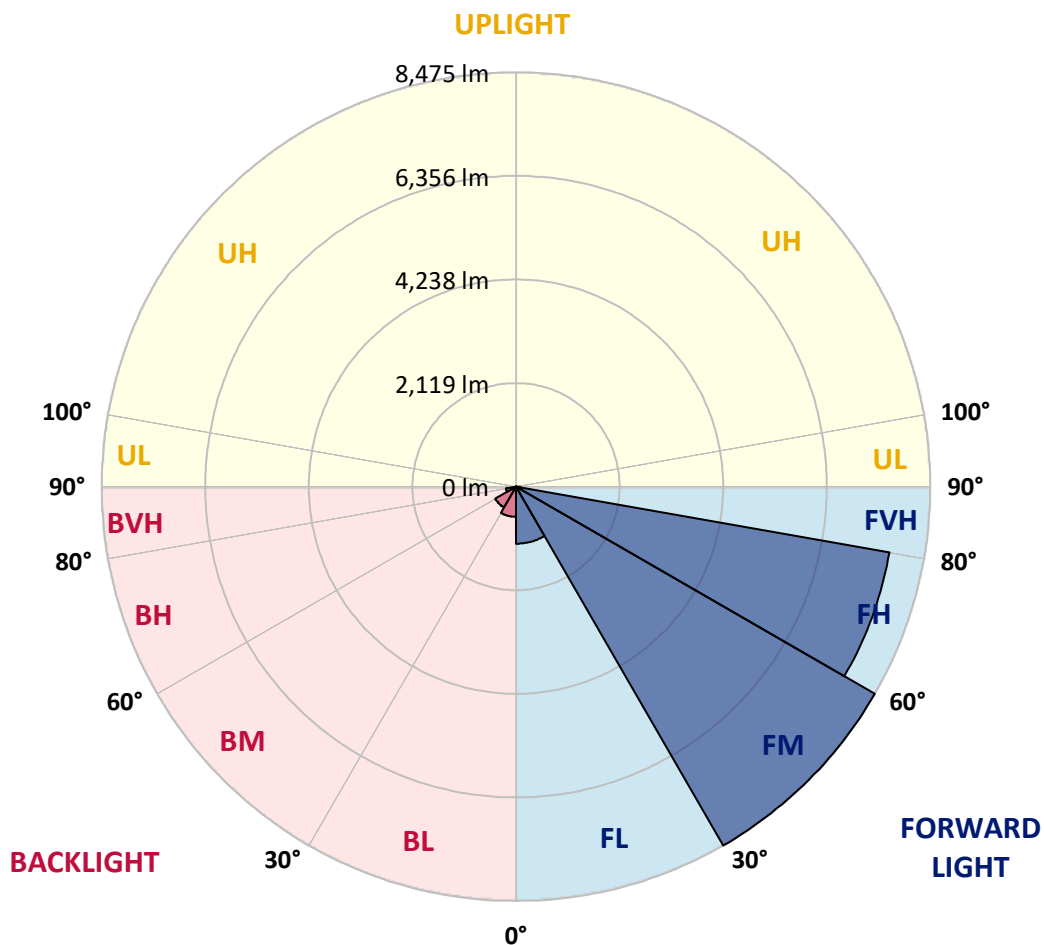


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.3	6.2			
FM (30°-60°)	8475.1	45.1			
FH (60°-80°)	7757.1	41.3			G4/12000
FVH (80°-90°)	81.9	0.4			G1/100
BL (0°-30°)	619.1	3.3	B2/1000		
BM (30°-60°)	490.0	2.6	B1/1000		
BH (60°-80°)	209.4	1.1	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7
2.5°	2770.2	2744.6	2770.2	2807.1	2827.0	2844.1	2903.7	2954.9	3008.9	3045.8	3034.4
5°	2568.5	2616.8	2622.5	2633.8	2665.1	2767.4	2801.5	2889.5	3023.1	3034.4	3085.6
7.5°	2409.4	2395.2	2432.1	2506.0	2585.5	2645.2	2744.6	2898.1	3037.3	3085.6	3185.0
10°	2179.2	2207.6	2247.4	2321.3	2417.9	2565.6	2741.8	2912.3	3111.2	3128.2	3312.9
12.5°	2054.2	2025.8	2088.3	2165.0	2329.8	2466.2	2682.1	2886.7	3156.6	3250.4	3463.5
15°	1951.9	1966.1	2025.8	2076.9	2213.3	2386.6	2639.5	2949.2	3233.3	3298.7	3622.6
17.5°	1909.3	1900.8	1946.2	1997.4	2165.0	2361.1	2622.5	2952.0	3301.5	3386.8	3730.5
20°	1929.2	1946.2	1932.0	1980.3	2085.5	2284.4	2648.0	3006.0	3352.7	3469.1	3847.0
22.5°	2241.7	2219.0	2105.4	2014.4	2020.1	2253.1	2628.1	3040.1	3398.1	3491.9	3926.6
25°	3057.2	2935.0	2653.7	2304.2	2074.1	2167.9	2605.4	3028.8	3389.6	3506.1	3974.9
27.5°	3878.3	3773.2	3497.6	2954.9	2292.9	2133.8	2525.9	3037.3	3347.0	3454.9	3895.3
30°	4744.9	4801.7	4392.6	3747.6	2866.8	2321.3	2474.7	2991.8	3318.6	3409.5	3912.4
32.5°	5634.2	5611.4	5364.3	4665.3	3687.9	2736.1	2557.1	3037.3	3355.5	3443.6	4011.8
35°	6330.3	6250.7	6000.7	5369.9	4367.0	3361.2	2841.2	3253.2	3517.5	3622.6	4153.9
37.5°	6674.1	6708.2	6563.3	6014.9	5111.4	3940.8	3196.4	3253.2	3568.6	3690.8	4384.0
40°	6941.1	7043.4	6989.4	6813.3	5850.1	4594.3	3588.5	3454.9	3827.1	4057.3	4815.9
42.5°	7262.2	7213.9	7532.1	7370.2	6816.1	5418.2	4276.1	3935.1	4438.0	4659.6	5463.7
45°	7432.7	7617.4	7858.9	8066.3	7711.1	6446.8	5173.9	4784.6	5372.8	5654.1	6426.9
47.5°	7870.2	7944.1	8336.2	8597.6	8438.5	7623.0	6537.7	6026.3	6549.0	6992.3	7529.3
50°	8125.9	8026.5	8574.9	8972.6	9063.5	8597.6	7759.4	7361.6	7946.9	8512.3	8560.6
52.5°	7901.5	8185.6	8734.0	9447.1	9700.0	9467.0	9194.2	9020.9	9432.9	9955.7	9722.7
55°	7114.5	7307.7	8643.0	9967.1	10782.5	10674.5	10927.4	10813.7	11228.6	11782.6	11080.8
57.5°	6480.9	6722.4	7895.8	10237.0	11791.1	12109.3	12427.6	12356.5	12856.6	13495.9	12231.5
60°	6085.9	6225.1	7356.0	10168.8	12387.8	13592.5	14311.3	13811.3	14626.7	15115.4	13132.2
62.5°	5401.2	5489.3	6568.9	9265.3	12566.8	14640.9	15859.8	15180.7	15888.2	16484.9	13780.0
65°	4330.0	4568.7	5460.9	7912.8	11384.8	14834.1	16825.8	16027.4	16712.2	17104.2	13976.0
66°	3940.8	4114.1	4932.4	7196.9	10711.5	14513.0	16663.9	16203.6	16831.5	17189.5	13674.9
67.5°	3270.3	3420.8	4071.5	6176.8	9333.5	13805.6	16777.5	16084.2	16922.4	16703.6	13271.4
70°	2165.0	2261.6	2784.4	4176.6	6500.7	11293.9	15561.5	15152.3	14876.7	14055.6	10376.2
72.5°	1011.5	1150.7	1738.8	2531.5	3812.9	7901.5	12689.0	12140.6	10433.0	9120.4	6546.2
75°	457.4	519.9	954.7	1451.9	1710.4	4094.2	8185.6	7392.9	5193.8	4313.0	2866.8
77.5°	247.2	281.3	466.0	690.4	622.2	1434.8	4051.6	3369.7	1636.6	1199.0	832.5
80°	190.4	224.5	389.2	394.9	230.1	372.2	1505.9	1042.7	409.1	309.7	198.9
82.5°	99.4	142.1	306.9	255.7	116.5	150.6	466.0	289.8	127.9	102.3	85.2
85°	39.8	62.5	173.3	170.5	68.2	51.1	130.7	88.1	51.1	42.6	39.8
87.5°	2.8	2.8	93.8	65.3	42.6	14.2	19.9	19.9	25.6	22.7	28.4
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°	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7	3011.7
2.5°	3085.6	3119.7	3125.4	3219.1	3239.0	3219.1	3270.3	3261.7	3284.5	3267.4	3236.2
5°	3156.6	3204.9	3298.7	3369.7	3369.7	3312.9	3267.4	3207.8	3119.7	3096.9	3079.9
7.5°	3278.8	3432.2	3517.5	3472.0	3381.1	3168.0	2872.5	2656.6	2474.7	2406.5	2375.3
10°	3494.7	3580.0	3679.4	3494.7	3116.8	2665.1	2167.9	1841.1	1585.4	1528.6	1486.0
12.5°	3633.9	3770.3	3827.1	3369.7	2628.1	1954.8	1414.9	1045.6	866.6	730.2	707.5
15°	3815.8	3972.0	3855.6	3031.6	2071.3	1281.4	733.0	457.4	372.2	349.5	349.5
17.5°	3940.8	4111.3	3739.1	2611.1	1468.9	681.9	363.7	315.4	309.7	312.5	306.9
20°	4159.6	4261.9	3562.9	2122.4	877.9	349.5	292.6	281.3	275.6	284.1	278.4
22.5°	4242.0	4335.7	3275.9	1537.1	394.9	233.0	218.8	210.3	215.9	213.1	210.3
25°	4236.3	4284.6	2804.3	880.8	116.5	90.9	82.4	82.4	76.7	79.6	76.7
27.5°	4278.9	4159.6	2275.8	261.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	4301.6	3957.8	1619.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4313.0	3852.7	1042.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	4401.1	3642.5	446.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4460.7	3372.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4707.9	3287.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5029.0	3128.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5475.1	2892.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6066.0	2753.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6506.4	2534.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	7066.2	2403.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7731.0	2409.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	8336.2	2369.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	8645.9	2025.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	8580.5	1639.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	8353.2	1287.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	8197.0	1139.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	7722.5	912.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	6145.6	625.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3909.5	383.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1801.3	176.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	565.4	108.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	147.7	68.2	22.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	76.7	48.3	19.9	8.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	48.3	19.9	8.5	5.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	42.6	11.4	5.7	5.7	2.8	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)