

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: P482711

Luminaire Tested: **IFLD-L-SA8B-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482711
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (128) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

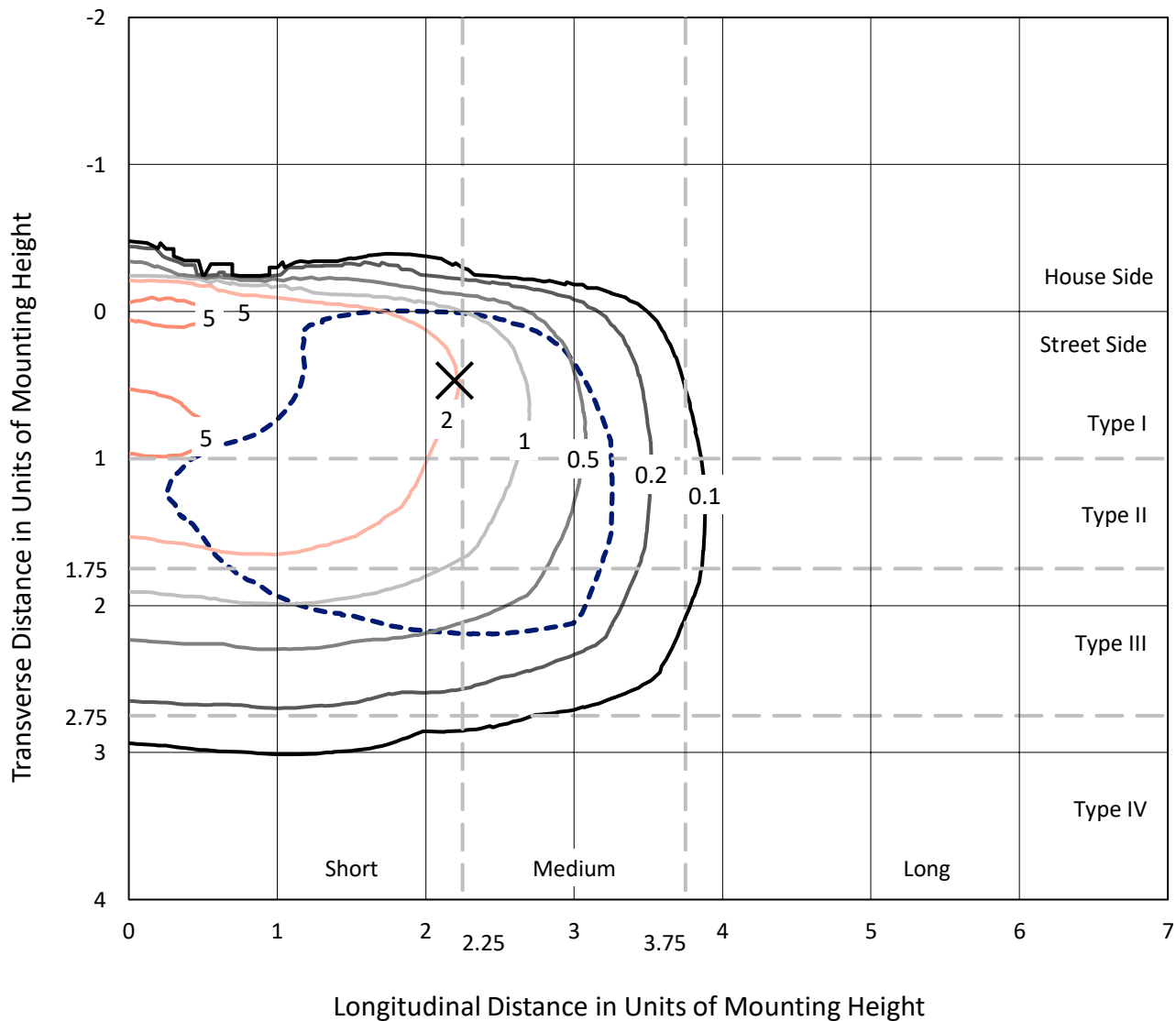
Lumens per Lamp: N/A
Luminaire Lumens: 21489.3 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 320
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

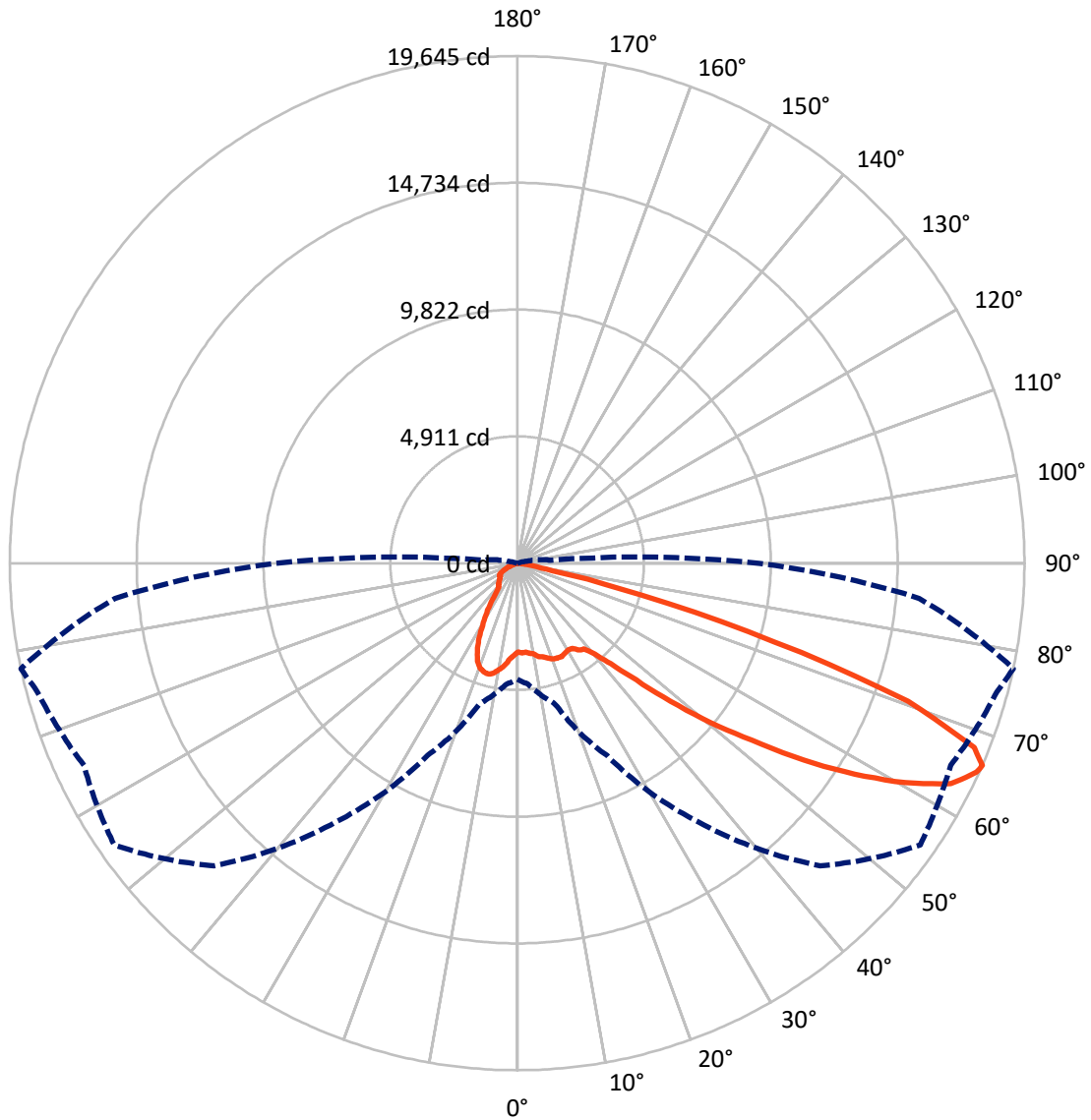
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	1510.8	0.0	1510.8
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	19978.5	0.0	19978.5
	% Fixture	93.0	0.0	93.0
Total	Lumens	21489.3	0.0	21489.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.9	1.5
10°-20°	710.8	3.3
20°-30°	1016.0	4.7
30°-40°	1739.1	8.1
40°-50°	3138.8	14.6
50°-60°	5367.7	25.0
60°-70°	6606.8	30.7
70°-80°	2497.7	11.6
80°-90°	97.6	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°	21489.3	100.0
0°-180°	21489.3	100.0

Coefficient of Utilization

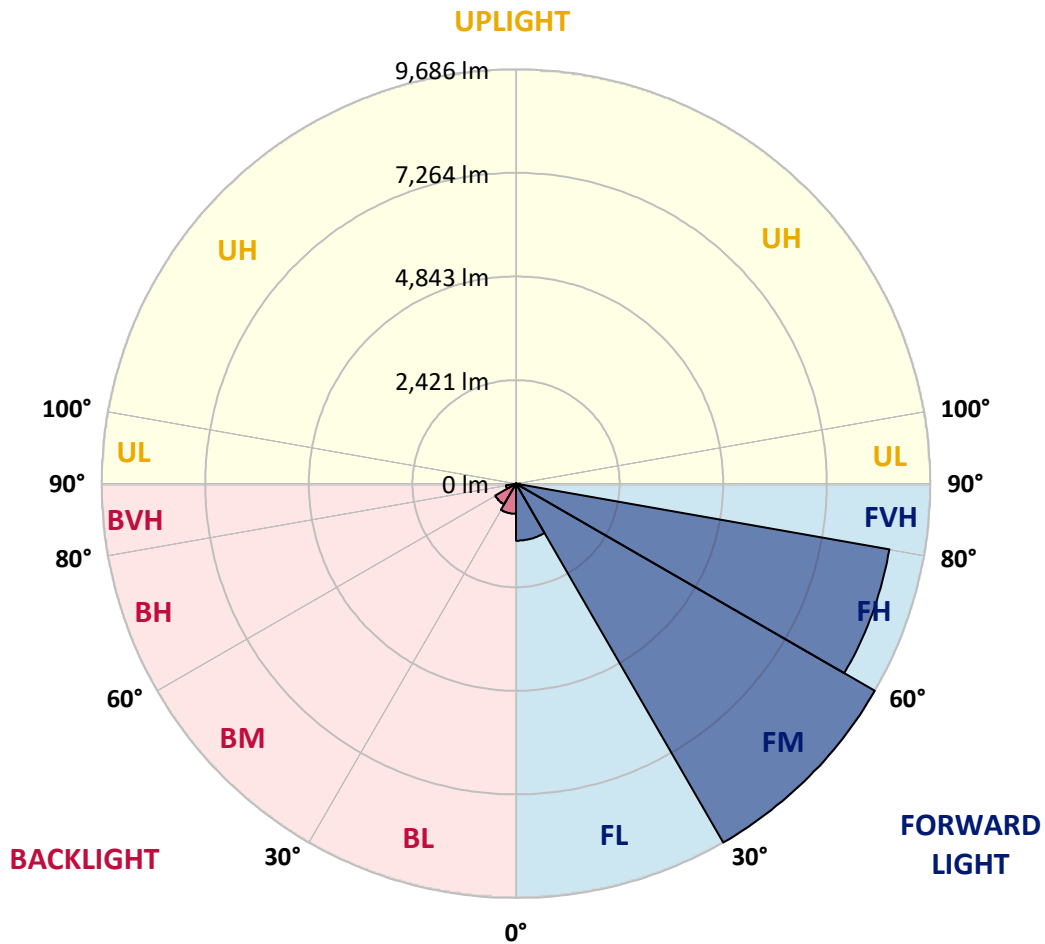


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1334.1	6.2			
FM (30°-60°)	9685.7	45.1			
FH (60°-80°)	8865.1	41.3			G4/12000
FVH (80°-90°)	93.6	0.4			G1/100
BL (0°-30°)	707.6	3.3	B2/1000		
BM (30°-60°)	560.0	2.6	B1/1000		
BH (60°-80°)	239.4	1.1	B1/500		G1/500
BVH (80°-90°)	3.9	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°	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9
2.5°	3165.9	3136.7	3165.9	3208.1	3230.8	3250.3	3318.5	3376.9	3438.6	3480.8	3467.9
5°	2935.3	2990.5	2997.0	3010.0	3045.7	3162.6	3201.6	3302.3	3454.9	3467.9	3526.3
7.5°	2753.5	2737.3	2779.5	2863.9	2954.8	3023.0	3136.7	3312.0	3471.1	3526.3	3640.0
10°	2490.5	2523.0	2568.4	2652.8	2763.2	2932.1	3133.4	3328.2	3555.5	3575.0	3786.1
12.5°	2347.6	2315.2	2386.6	2474.3	2662.6	2818.4	3065.2	3299.0	3607.5	3714.6	3958.2
15°	2230.7	2247.0	2315.2	2373.6	2529.5	2727.5	3016.5	3370.4	3695.2	3769.8	4140.0
17.5°	2182.0	2172.3	2224.2	2282.7	2474.3	2698.3	2997.0	3373.7	3773.1	3870.5	4263.4
20°	2204.8	2224.2	2208.0	2263.2	2383.3	2610.6	3026.3	3435.4	3831.5	3964.7	4396.5
22.5°	2561.9	2536.0	2406.1	2302.2	2308.7	2574.9	3003.5	3474.4	3883.5	3990.6	4487.4
25°	3493.8	3354.2	3032.8	2633.4	2370.4	2477.5	2977.6	3461.4	3873.7	4006.9	4542.6
27.5°	4432.2	4312.1	3997.1	3376.9	2620.4	2438.5	2886.6	3471.1	3825.0	3948.4	4451.7
30°	5422.6	5487.5	5020.0	4282.9	3276.3	2652.8	2828.2	3419.2	3792.6	3896.5	4471.2
32.5°	6438.9	6412.9	6130.5	5331.7	4214.7	3126.9	2922.4	3471.1	3834.8	3935.4	4584.8
35°	7234.5	7143.5	6857.8	6136.9	4990.7	3841.3	3247.1	3717.9	4019.9	4140.0	4747.2
37.5°	7627.3	7666.3	7500.7	6874.0	5841.5	4503.7	3652.9	3717.9	4078.3	4217.9	5010.2
40°	7932.6	8049.5	7987.8	7786.5	6685.7	5250.5	4101.0	3948.4	4373.8	4636.8	5503.8
42.5°	8299.5	8244.3	8608.0	8422.9	7789.7	6192.1	4886.8	4497.2	5071.9	5325.2	6244.1
45°	8494.3	8705.4	8981.4	9218.4	8812.5	7367.6	5912.9	5468.0	6140.2	6461.7	7344.9
47.5°	8994.4	9078.8	9526.9	9825.6	9643.8	8711.9	7471.5	6887.0	7484.5	7991.0	8604.7
50°	9286.6	9172.9	9799.6	10254.2	10358.1	9825.6	8867.7	8413.1	9082.0	9728.2	9783.4
52.5°	9030.1	9354.8	9981.5	10796.5	11085.5	10819.2	10507.5	10309.4	10780.2	11377.7	11111.4
55°	8130.6	8351.4	9877.6	11390.7	12322.6	12199.2	12488.2	12358.3	12832.4	13465.6	12663.5
57.5°	7406.5	7682.5	9023.6	11699.2	13475.3	13839.0	14202.6	14121.5	14692.9	15423.5	13978.6
60°	6955.2	7114.3	8406.6	11621.2	14157.2	15533.9	16355.4	15784.0	16715.9	17274.4	15007.9
62.5°	6172.7	6273.3	7507.2	10588.7	14361.7	16732.1	18125.1	17349.0	18157.6	18839.4	15748.2
65°	4948.5	5221.3	6240.9	9043.1	13011.0	16952.9	19229.1	18316.7	19099.2	19547.3	15972.3
66°	4503.7	4701.7	5636.9	8224.8	12241.4	16586.0	19044.0	18518.0	19235.6	19644.7	15628.1
67.5°	3737.4	3909.5	4653.0	7059.1	10666.6	15777.5	19173.9	18381.6	19339.5	19089.5	15167.0
70°	2474.3	2584.7	3182.1	4773.2	7429.3	12907.1	17784.2	17316.6	17001.6	16063.2	11858.3
72.5°	1156.0	1315.1	1987.2	2893.1	4357.6	9030.1	14501.4	13874.7	11923.2	10423.1	7481.2
75°	522.8	594.2	1091.0	1659.2	1954.7	4679.0	9354.8	8448.9	5935.6	4929.0	3276.3
77.5°	282.5	321.5	532.5	789.0	711.1	1639.8	4630.3	3851.0	1870.3	1370.3	951.4
80°	217.6	256.5	444.8	451.3	263.0	425.4	1720.9	1191.7	467.6	353.9	227.3
82.5°	113.6	162.4	350.7	292.2	133.1	172.1	532.5	331.2	146.1	116.9	97.4
85°	45.5	71.4	198.1	194.8	77.9	58.4	149.4	100.7	58.4	48.7	45.5
87.5°	3.2	3.2	107.2	74.7	48.7	16.2	22.7	22.7	29.2	26.0	32.5
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°	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9	3441.9
2.5°	3526.3	3565.3	3571.8	3678.9	3701.6	3678.9	3737.4	3727.6	3753.6	3734.1	3698.4
5°	3607.5	3662.7	3769.8	3851.0	3851.0	3786.1	3734.1	3665.9	3565.3	3539.3	3519.8
7.5°	3747.1	3922.4	4019.9	3967.9	3864.0	3620.5	3282.8	3036.0	2828.2	2750.3	2714.5
10°	3993.9	4091.3	4204.9	3993.9	3562.0	3045.7	2477.5	2104.1	1811.9	1746.9	1698.2
12.5°	4153.0	4308.8	4373.8	3851.0	3003.5	2234.0	1617.0	1194.9	990.4	834.5	808.5
15°	4360.8	4539.4	4406.3	3464.6	2367.1	1464.4	837.7	522.8	425.4	399.4	399.4
17.5°	4503.7	4698.5	4273.1	2984.0	1678.7	779.3	415.6	360.4	353.9	357.2	350.7
20°	4753.7	4870.6	4071.8	2425.6	1003.3	399.4	334.4	321.5	315.0	324.7	318.2
22.5°	4847.9	4955.0	3743.9	1756.7	451.3	266.3	250.0	240.3	246.8	243.5	240.3
25°	4841.4	4896.6	3204.8	1006.6	133.1	103.9	94.2	94.2	87.7	90.9	87.7
27.5°	4890.1	4753.7	2600.9	298.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	4916.0	4523.2	1850.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4929.0	4403.0	1191.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5029.7	4162.7	509.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5097.9	3854.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5380.4	3756.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5747.3	3575.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6257.1	3305.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6932.5	3146.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	7435.8	2896.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8075.4	2747.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8835.3	2753.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9526.9	2708.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	9880.8	2315.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	9806.1	1873.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	9546.4	1470.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	9367.8	1302.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	8825.5	1042.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7023.4	714.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4468.0	438.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2058.6	201.3	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	646.2	123.4	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	168.8	77.9	26.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	87.7	55.2	22.7	9.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	55.2	22.7	9.7	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	48.7	13.0	6.5	6.5	3.2	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)