

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: P482852

Luminaire Tested: **IFLD-S-SA6B-740-U-T3R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482852
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

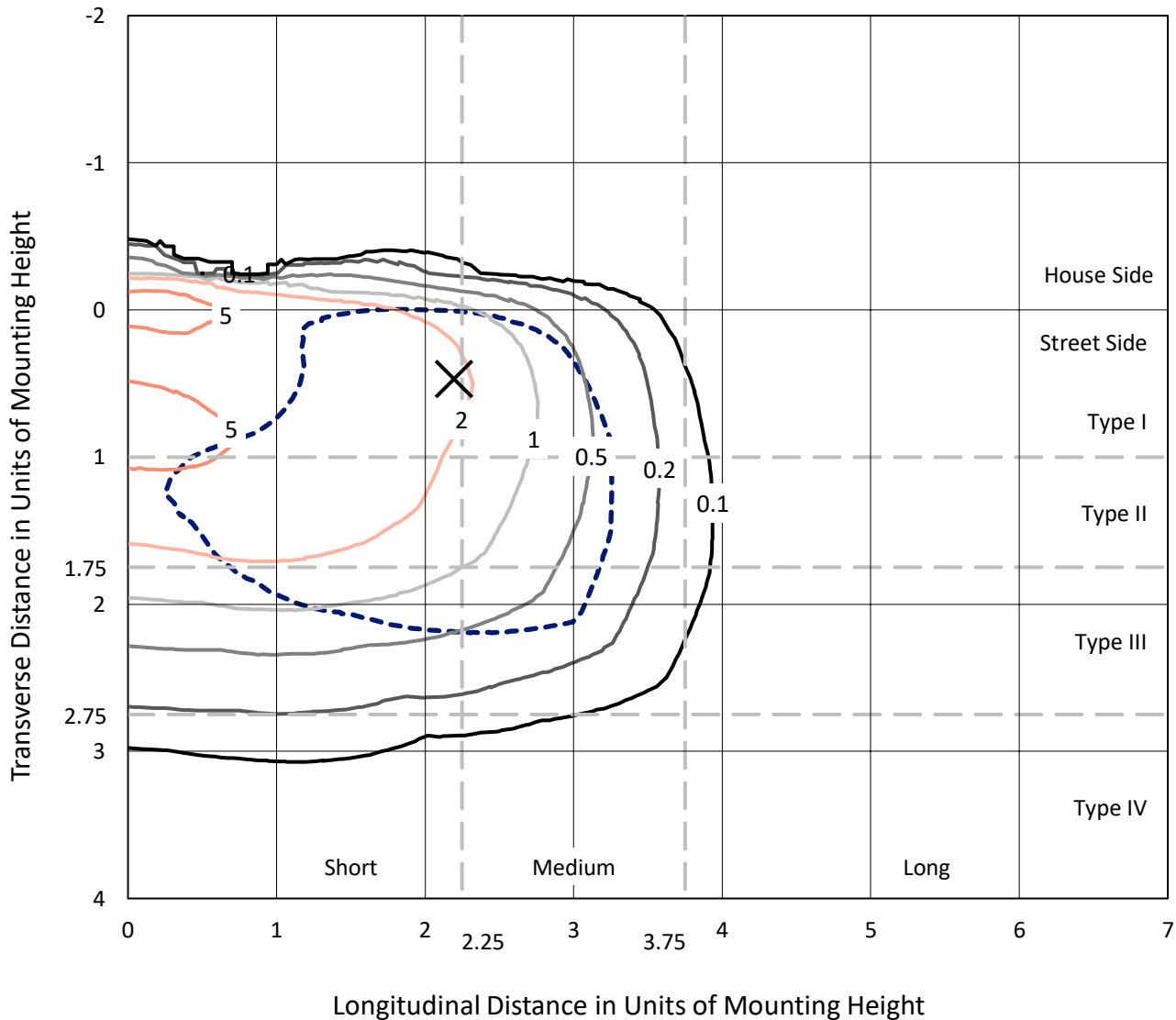
Lumens per Lamp: N/A
Luminaire Lumens: 23927.2 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9
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

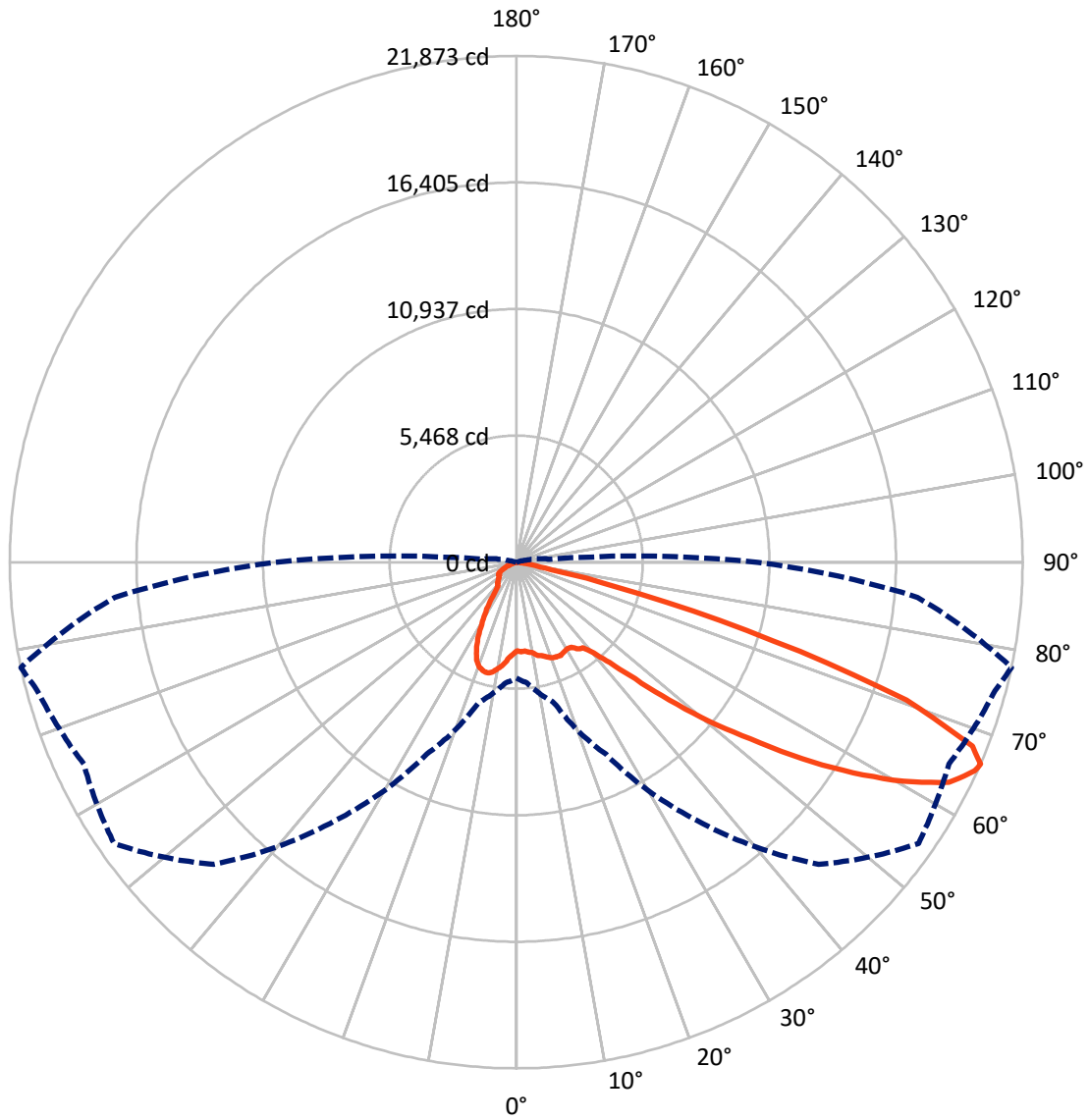
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	1682.2	0.0	1682.2
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	22245.0	0.0	22245.0
	% Fixture	93.0	0.0	93.0
Total	Lumens	23927.2	0.0	23927.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.6	1.5
10°-20°	791.4	3.3
20°-30°	1131.2	4.7
30°-40°	1936.4	8.1
40°-50°	3494.9	14.6
50°-60°	5976.7	25.0
60°-70°	7356.3	30.7
70°-80°	2781.1	11.6
80°-90°	108.6	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°	23927.2	100.0
0°-180°	23927.2	100.0

Coefficient of Utilization

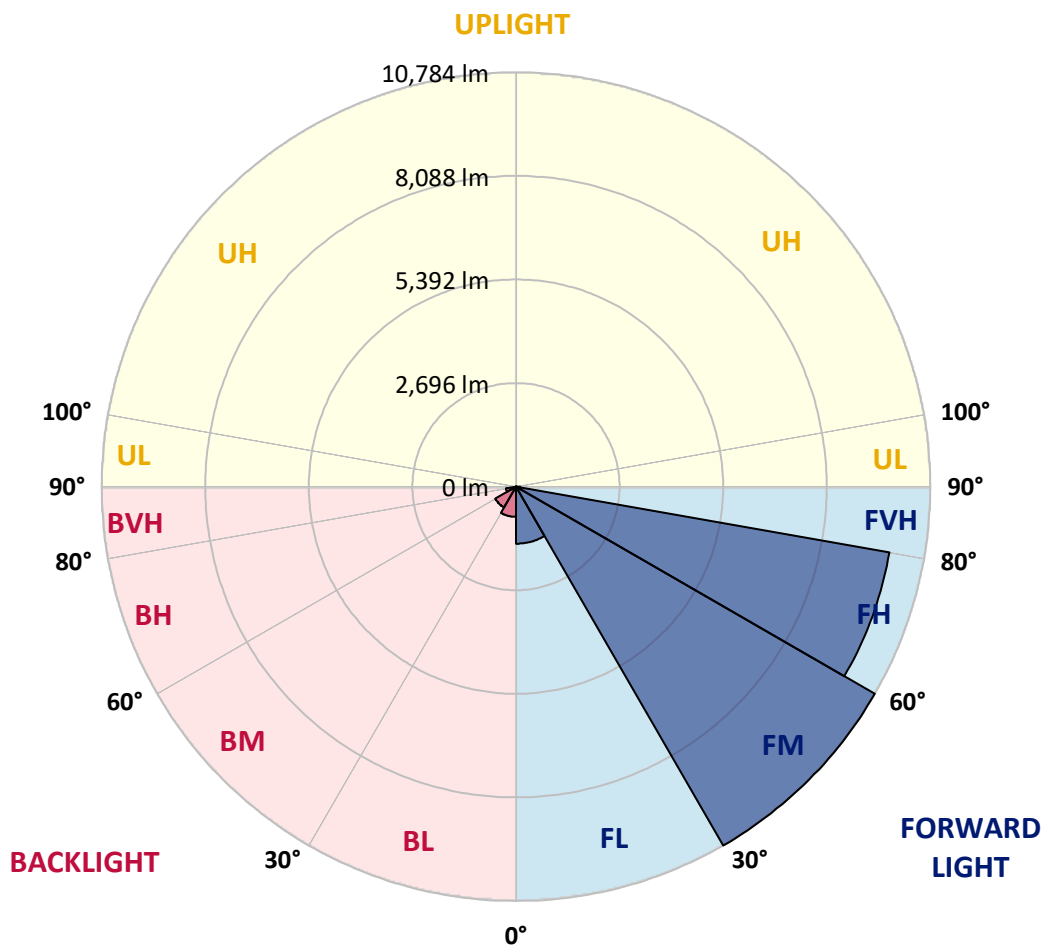


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.4	6.2			
FM (30°-60°)	10784.5	45.1			
FH (60°-80°)	9870.8	41.3			G4/12000
FVH (80°-90°)	104.3	0.4			G2/225
BL (0°-30°)	787.8	3.3	B2/1000		
BM (30°-60°)	623.5	2.6	B1/1000		
BH (60°-80°)	266.5	1.1	B1/500		G1/500
BVH (80°-90°)	4.4	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°	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4
2.5°	3525.0	3492.5	3525.0	3572.0	3597.4	3619.0	3695.0	3760.1	3828.7	3875.7	3861.3
5°	3268.4	3329.8	3337.0	3351.5	3391.3	3521.4	3564.8	3676.9	3846.8	3861.3	3926.4
7.5°	3065.9	3047.8	3094.8	3188.8	3290.0	3366.0	3492.5	3687.7	3864.9	3926.4	4052.9
10°	2773.0	2809.2	2859.8	2953.8	3076.7	3264.7	3488.9	3705.8	3958.9	3980.6	4215.6
12.5°	2614.0	2577.8	2657.3	2755.0	2964.7	3138.2	3413.0	3673.3	4016.7	4136.1	4407.2
15°	2483.8	2501.9	2577.8	2642.9	2816.4	3037.0	3358.7	3752.8	4114.4	4197.5	4609.7
17.5°	2429.6	2418.7	2476.6	2541.6	2755.0	3004.4	3337.0	3756.4	4201.1	4309.6	4747.1
20°	2454.9	2476.6	2458.5	2520.0	2653.7	2906.8	3369.6	3825.1	4266.2	4414.4	4895.3
22.5°	2852.6	2823.7	2679.0	2563.3	2570.6	2867.0	3344.3	3868.5	4324.1	4443.4	4996.5
25°	3890.2	3734.7	3376.8	2932.1	2639.3	2758.6	3315.4	3854.1	4313.2	4461.4	5058.0
27.5°	4935.1	4801.3	4450.6	3760.1	2917.7	2715.2	3214.1	3864.9	4259.0	4396.4	4956.8
30°	6037.8	6110.1	5589.5	4768.8	3648.0	2953.8	3149.0	3807.1	4222.8	4338.5	4978.5
32.5°	7169.4	7140.5	6825.9	5936.5	4692.8	3481.7	3253.9	3864.9	4269.8	4381.9	5105.0
35°	8055.2	7954.0	7635.8	6833.2	5556.9	4277.1	3615.4	4139.7	4475.9	4609.7	5285.8
37.5°	8492.7	8536.0	8351.7	7653.9	6504.2	5014.6	4067.4	4139.7	4541.0	4696.4	5578.6
40°	8832.5	8962.7	8894.0	8669.8	7444.2	5846.2	4566.3	4396.4	4870.0	5162.8	6128.2
42.5°	9241.0	9179.6	9584.5	9378.4	8673.4	6894.6	5441.2	5007.4	5647.3	5929.3	6952.5
45°	9458.0	9693.0	10000.3	10264.2	9812.3	8203.4	6583.7	6088.4	6836.8	7194.7	8178.1
47.5°	10014.8	10108.8	10607.7	10940.3	10737.8	9700.2	8319.1	7668.3	8333.6	8897.6	9580.9
50°	10340.1	10213.6	10911.4	11417.5	11533.2	10940.3	9873.7	9367.6	10112.4	10831.8	10893.3
52.5°	10054.5	10416.1	11113.8	12021.3	12343.1	12046.6	11699.5	11479.0	12003.2	12668.5	12372.0
55°	9053.0	9298.9	10998.1	12682.9	13720.6	13583.2	13905.0	13760.3	14288.2	14993.2	14100.2
57.5°	8246.8	8554.1	10047.3	13026.4	15004.1	15409.0	15813.9	15723.5	16359.8	17173.3	15564.4
60°	7744.3	7921.4	9360.4	12939.6	15763.3	17296.2	18210.9	17574.6	18612.3	19234.1	16710.5
62.5°	6872.9	6985.0	8358.9	11789.9	15991.1	18630.3	20181.4	19317.3	20217.5	20976.7	17534.9
65°	5509.9	5813.6	6948.9	10069.0	14487.0	18876.2	21410.6	20394.7	21266.0	21764.9	17784.3
66°	5014.6	5235.1	6276.4	9157.9	13630.2	18467.6	21204.5	20618.8	21417.8	21873.4	17401.1
67.5°	4161.4	4353.0	5180.9	7860.0	11876.7	17567.4	21349.1	20467.0	21533.5	21255.1	16887.7
70°	2755.0	2877.9	3543.1	5314.7	8272.1	14371.3	19801.7	19281.1	18930.4	17885.6	13203.6
72.5°	1287.1	1464.3	2212.6	3221.4	4851.9	10054.5	16146.5	15448.7	13275.9	11605.5	8330.0
75°	582.1	661.6	1214.8	1847.5	2176.5	5209.8	10416.1	9407.4	6609.0	5488.2	3648.0
77.5°	314.5	357.9	592.9	878.6	791.8	1825.8	5155.6	4287.9	2082.5	1525.7	1059.3
80°	242.2	285.6	495.3	502.5	292.9	473.6	1916.2	1326.9	520.6	394.1	253.1
82.5°	126.5	180.8	390.5	325.4	148.2	191.6	592.9	368.8	162.7	130.2	108.5
85°	50.6	79.5	220.5	216.9	86.8	65.1	166.3	112.1	65.1	54.2	50.6
87.5°	3.6	3.6	119.3	83.2	54.2	18.1	25.3	25.3	32.5	28.9	36.2
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°	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4
2.5°	3926.4	3969.7	3977.0	4096.3	4121.6	4096.3	4161.4	4150.5	4179.4	4157.7	4118.0
5°	4016.7	4078.2	4197.5	4287.9	4287.9	4215.6	4157.7	4081.8	3969.7	3940.8	3919.1
7.5°	4172.2	4367.4	4475.9	4418.1	4302.4	4031.2	3655.2	3380.4	3149.0	3062.3	3022.5
10°	4447.0	4555.4	4682.0	4447.0	3966.1	3391.3	2758.6	2342.8	2017.4	1945.1	1890.9
12.5°	4624.1	4797.7	4870.0	4287.9	3344.3	2487.4	1800.5	1330.5	1102.7	929.2	900.2
15°	4855.5	5054.4	4906.1	3857.7	2635.7	1630.6	932.8	582.1	473.6	444.7	444.7
17.5°	5014.6	5231.5	4757.9	3322.6	1869.2	867.7	462.8	401.3	394.1	397.7	390.5
20°	5293.0	5423.2	4533.8	2700.7	1117.2	444.7	372.4	357.9	350.7	361.5	354.3
22.5°	5397.8	5517.2	4168.6	1955.9	502.5	296.5	278.4	267.5	274.8	271.2	267.5
25°	5390.6	5452.1	3568.4	1120.8	148.2	115.7	104.8	104.8	97.6	101.2	97.6
27.5°	5444.8	5293.0	2896.0	332.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5473.8	5036.3	2060.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5488.2	4902.5	1326.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5600.3	4635.0	567.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5676.2	4291.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5990.8	4183.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6399.3	3980.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6966.9	3680.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7719.0	3503.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8279.3	3225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8991.6	3058.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9837.6	3065.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10607.7	3015.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	11001.8	2577.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10918.6	2086.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10629.4	1637.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	10430.5	1449.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	9826.7	1160.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7820.2	795.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4974.8	488.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2292.2	224.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	719.5	137.4	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	188.0	86.8	28.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	97.6	61.5	25.3	10.8	7.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	61.5	25.3	10.8	7.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	54.2	14.5	7.2	7.2	3.6	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)