

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: P482698

Luminaire Tested: **IFLD-S-SA6D-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482698
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-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

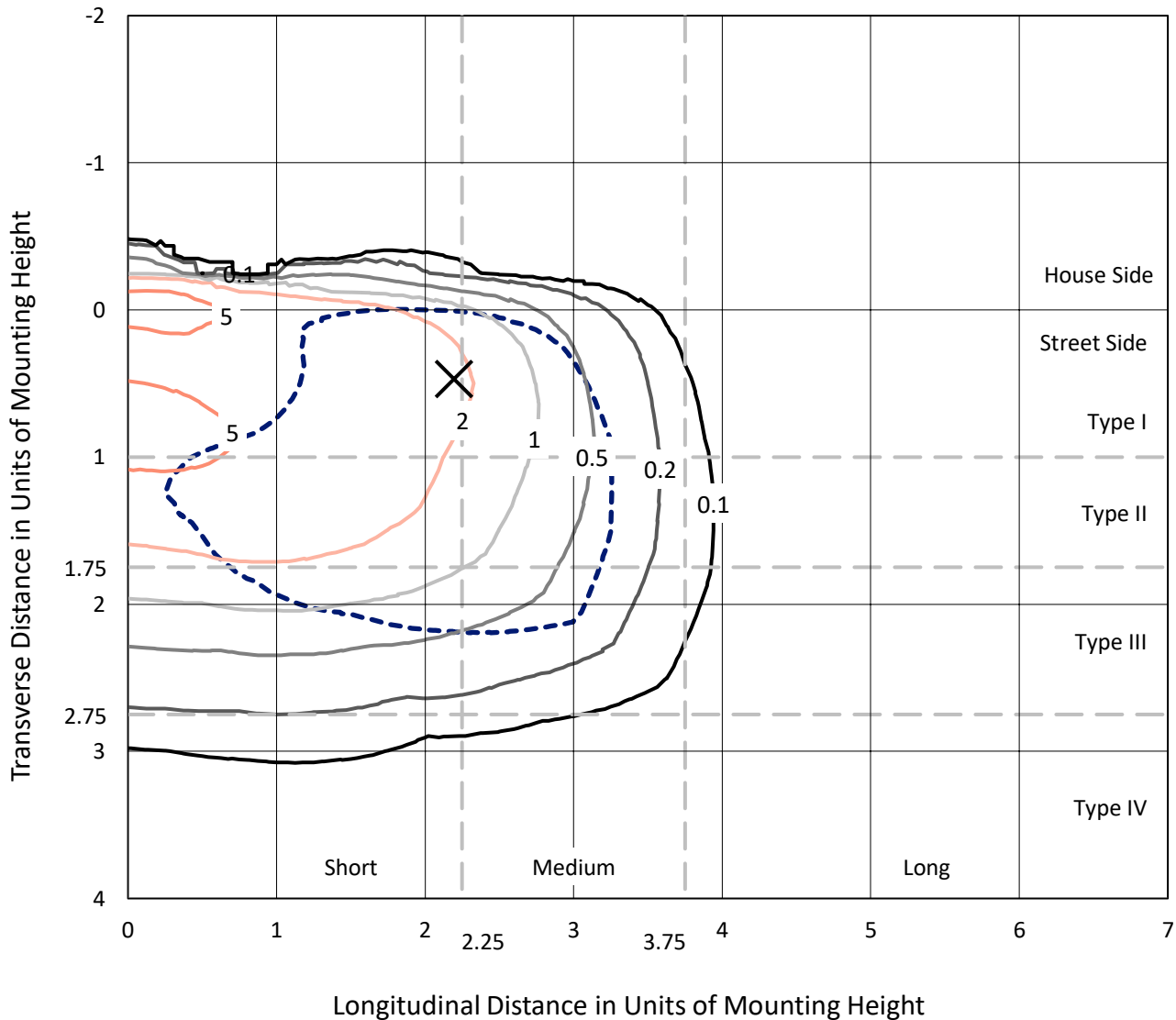
Lumens per Lamp: N/A
Luminaire Lumens: 24141.5 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 368.2
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

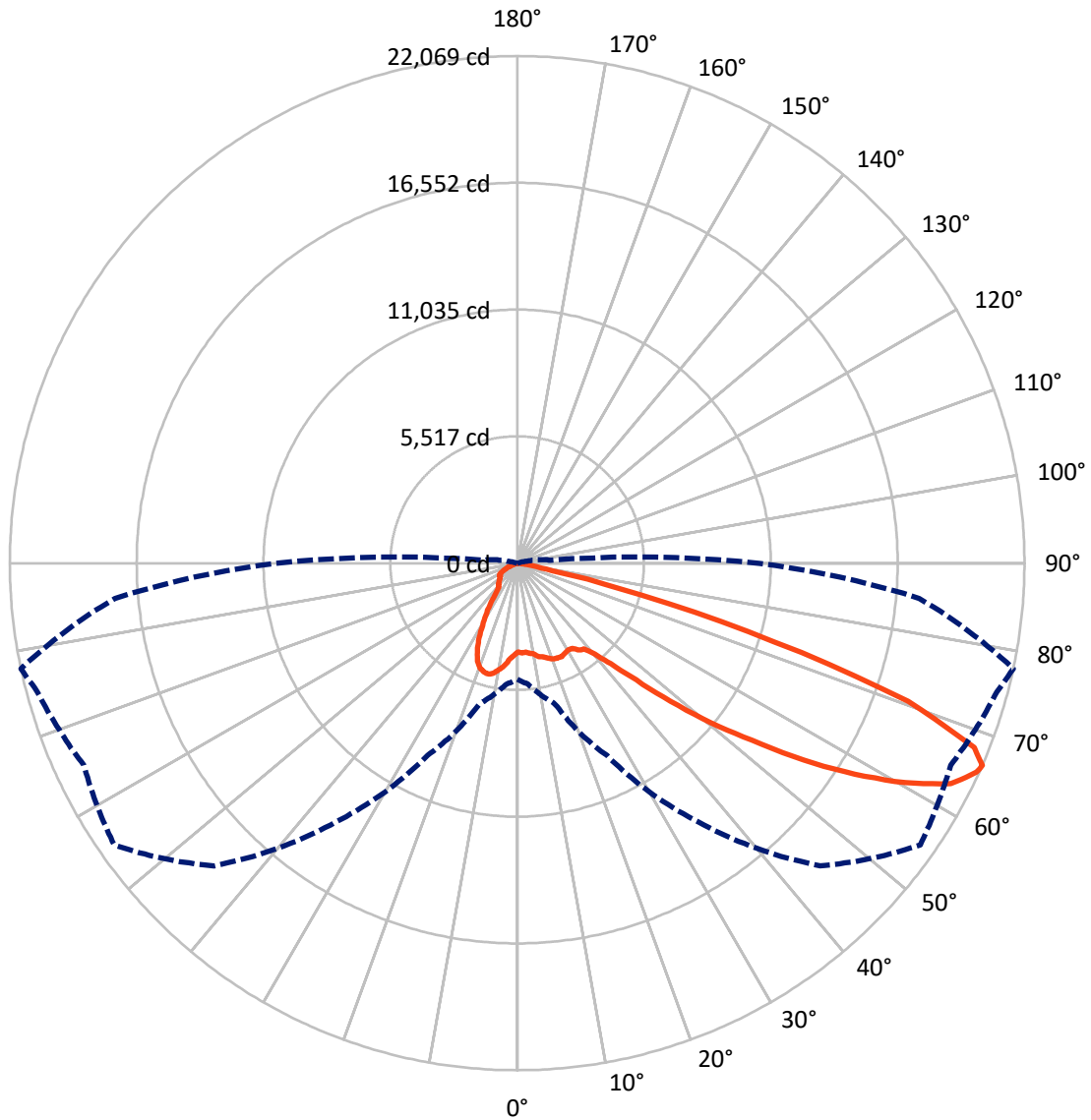
✕ Max cd
 - - - 1/2 Max cd



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	1697.3	0.0	1697.3
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	22444.3	0.0	22444.3
	% Fixture	93.0	0.0	93.0
Total	Lumens	24141.5	0.0	24141.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	1.5
10°-20°	798.5	3.3
20°-30°	1141.4	4.7
30°-40°	1953.7	8.1
40°-50°	3526.2	14.6
50°-60°	6030.3	25.0
60°-70°	7422.2	30.7
70°-80°	2806.0	11.6
80°-90°	109.6	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°	24141.5	100.0
0°-180°	24141.5	100.0

Coefficient of Utilization

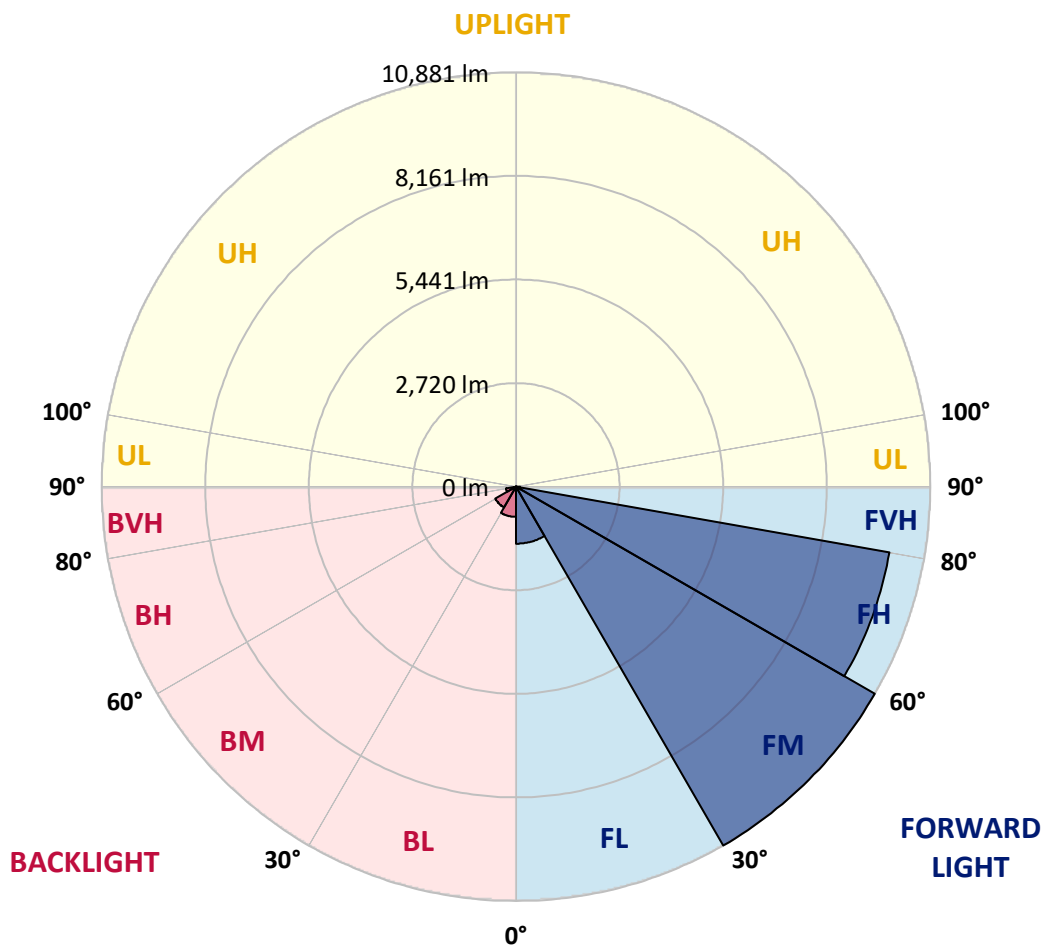


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1498.7	6.2			
FM (30°-60°)	10881.1	45.1			
FH (60°-80°)	9959.3	41.3			G4/12000
FVH (80°-90°)	105.2	0.4			G2/225
BL (0°-30°)	794.9	3.3	B2/1000		
BM (30°-60°)	629.1	2.6	B1/1000		
BH (60°-80°)	268.9	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°	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7
2.5°	3556.6	3523.8	3556.6	3604.0	3629.6	3651.5	3728.1	3793.7	3863.0	3910.5	3895.9
5°	3297.6	3359.6	3366.9	3381.5	3421.7	3553.0	3596.8	3709.8	3881.3	3895.9	3961.5
7.5°	3093.4	3075.1	3122.5	3217.4	3319.5	3396.1	3523.8	3720.8	3899.5	3961.5	4089.2
10°	2797.9	2834.4	2885.4	2980.3	3104.3	3294.0	3520.1	3739.0	3994.4	4016.3	4253.4
12.5°	2637.4	2600.9	2681.1	2779.6	2991.2	3166.3	3443.5	3706.2	4052.7	4173.1	4446.7
15°	2506.1	2524.3	2600.9	2666.6	2841.7	3064.2	3388.8	3786.4	4151.2	4235.1	4651.0
17.5°	2451.3	2440.4	2498.8	2564.4	2779.6	3031.3	3366.9	3790.1	4238.8	4348.2	4789.6
20°	2476.9	2498.8	2480.5	2542.5	2677.5	2932.8	3399.8	3859.4	4304.4	4454.0	4939.2
22.5°	2878.1	2848.9	2703.0	2586.3	2593.6	2892.7	3374.2	3903.2	4362.8	4483.2	5041.3
25°	3925.1	3768.2	3407.1	2958.4	2662.9	2783.3	3345.1	3888.6	4351.9	4501.4	5103.3
27.5°	4979.3	4844.3	4490.5	3793.7	2943.8	2739.5	3242.9	3899.5	4297.1	4435.8	5001.2
30°	6091.9	6164.8	5639.5	4811.5	3680.7	2980.3	3177.3	3841.2	4260.7	4377.4	5023.1
32.5°	7233.6	7204.4	6887.1	5989.7	4734.9	3512.9	3283.0	3899.5	4308.1	4421.2	5150.7
35°	8127.3	8025.2	7704.2	6894.4	5606.7	4315.4	3647.8	4176.8	4516.0	4651.0	5333.1
37.5°	8568.7	8612.5	8426.5	7722.4	6562.4	5059.5	4103.8	4176.8	4581.7	4738.5	5628.6
40°	8911.6	9043.0	8973.6	8747.5	7510.9	5898.5	4607.2	4435.8	4913.6	5209.1	6183.1
42.5°	9323.8	9261.8	9670.4	9462.5	8751.1	6956.4	5490.0	5052.2	5697.9	5982.4	7014.8
45°	9542.7	9779.8	10089.9	10356.2	9900.2	8276.9	6642.7	6142.9	6898.0	7259.2	8251.4
47.5°	10104.5	10199.3	10702.7	11038.3	10834.0	9787.1	8393.6	7737.0	8408.2	8977.3	9666.7
50°	10432.8	10305.1	11009.1	11519.8	11636.6	11038.3	9962.2	9451.5	10203.0	10928.9	10990.9
52.5°	10144.6	10509.4	11213.4	12129.0	12453.7	12154.5	11804.4	11581.8	12110.8	12782.0	12482.8
55°	9134.1	9382.2	11096.7	12796.6	13843.5	13704.9	14029.5	13883.6	14416.2	15127.5	14226.5
57.5°	8320.7	8630.7	10137.3	13143.1	15138.5	15547.0	15955.6	15864.4	16506.4	17327.2	15703.9
60°	7813.6	7992.4	9444.2	13055.6	15904.5	17451.2	18374.1	17732.1	18779.0	19406.4	16860.2
62.5°	6934.5	7047.6	8433.8	11895.5	16134.3	18797.2	20362.1	19490.3	20398.6	21164.7	17691.9
65°	5559.3	5865.7	7011.1	10159.2	14616.8	19045.3	21602.4	20577.4	21456.5	21959.9	17943.6
66°	5059.5	5282.0	6332.6	9239.9	13752.3	18633.1	21394.5	20803.5	21609.7	22069.3	17557.0
67.5°	4198.6	4392.0	5227.3	7930.4	11983.1	17724.8	21540.4	20650.3	21726.4	21445.5	17039.0
70°	2779.6	2903.7	3574.9	5362.3	8346.2	14500.1	19979.1	19453.8	19100.0	18045.8	13321.8
72.5°	1298.6	1477.4	2232.5	3250.2	4895.4	10144.6	16291.2	15587.1	13394.8	11709.5	8404.6
75°	587.3	667.6	1225.7	1864.0	2196.0	5256.5	10509.4	9491.6	6668.2	5537.4	3680.7
77.5°	317.4	361.1	598.2	886.4	798.9	1842.2	5201.8	4326.3	2101.1	1539.4	1068.8
80°	244.4	288.2	499.8	507.0	295.5	477.9	1933.3	1338.8	525.3	397.6	255.3
82.5°	127.7	182.4	394.0	328.3	149.6	193.3	598.2	372.1	164.2	131.3	109.4
85°	51.1	80.3	222.5	218.9	87.5	65.7	167.8	113.1	65.7	54.7	51.1
87.5°	3.6	3.6	120.4	83.9	54.7	18.2	25.5	25.5	32.8	29.2	36.5
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°	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7	3866.7
2.5°	3961.5	4005.3	4012.6	4133.0	4158.5	4133.0	4198.6	4187.7	4216.9	4195.0	4154.9
5°	4052.7	4114.7	4235.1	4326.3	4326.3	4253.4	4195.0	4118.4	4005.3	3976.1	3954.2
7.5°	4209.6	4406.6	4516.0	4457.6	4340.9	4067.3	3687.9	3410.7	3177.3	3089.7	3049.6
10°	4486.8	4596.3	4723.9	4486.8	4001.7	3421.7	2783.3	2363.8	2035.5	1962.5	1907.8
12.5°	4665.6	4840.7	4913.6	4326.3	3374.2	2509.7	1816.6	1342.4	1112.6	937.5	908.3
15°	4899.0	5099.7	4950.1	3892.2	2659.3	1645.2	941.1	587.3	477.9	448.7	448.7
17.5°	5059.5	5278.4	4800.5	3352.3	1885.9	875.5	466.9	404.9	397.6	401.3	394.0
20°	5340.4	5471.7	4574.4	2724.9	1127.2	448.7	375.7	361.1	353.8	364.8	357.5
22.5°	5446.2	5566.6	4205.9	1973.5	507.0	299.1	280.9	269.9	277.2	273.6	269.9
25°	5438.9	5500.9	3600.4	1130.8	149.6	116.7	105.8	105.8	98.5	102.1	98.5
27.5°	5493.6	5340.4	2921.9	335.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5522.8	5081.4	2079.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5537.4	4946.4	1338.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5650.5	4676.5	572.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5727.1	4330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6044.4	4220.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6456.6	4016.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	7029.4	3713.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7788.1	3534.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8353.5	3253.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9072.1	3086.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9925.7	3093.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10702.7	3042.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	11100.3	2600.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11016.4	2104.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10724.6	1652.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	10524.0	1462.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	9914.8	1171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7890.2	802.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5019.4	492.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2312.7	226.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	725.9	138.6	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	189.7	87.5	29.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	98.5	62.0	25.5	10.9	7.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	62.0	25.5	10.9	7.3	7.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	54.7	14.6	7.3	7.3	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)