

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: P482891

Luminaire Tested: **IFLD-S-SA6B-750-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482891
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

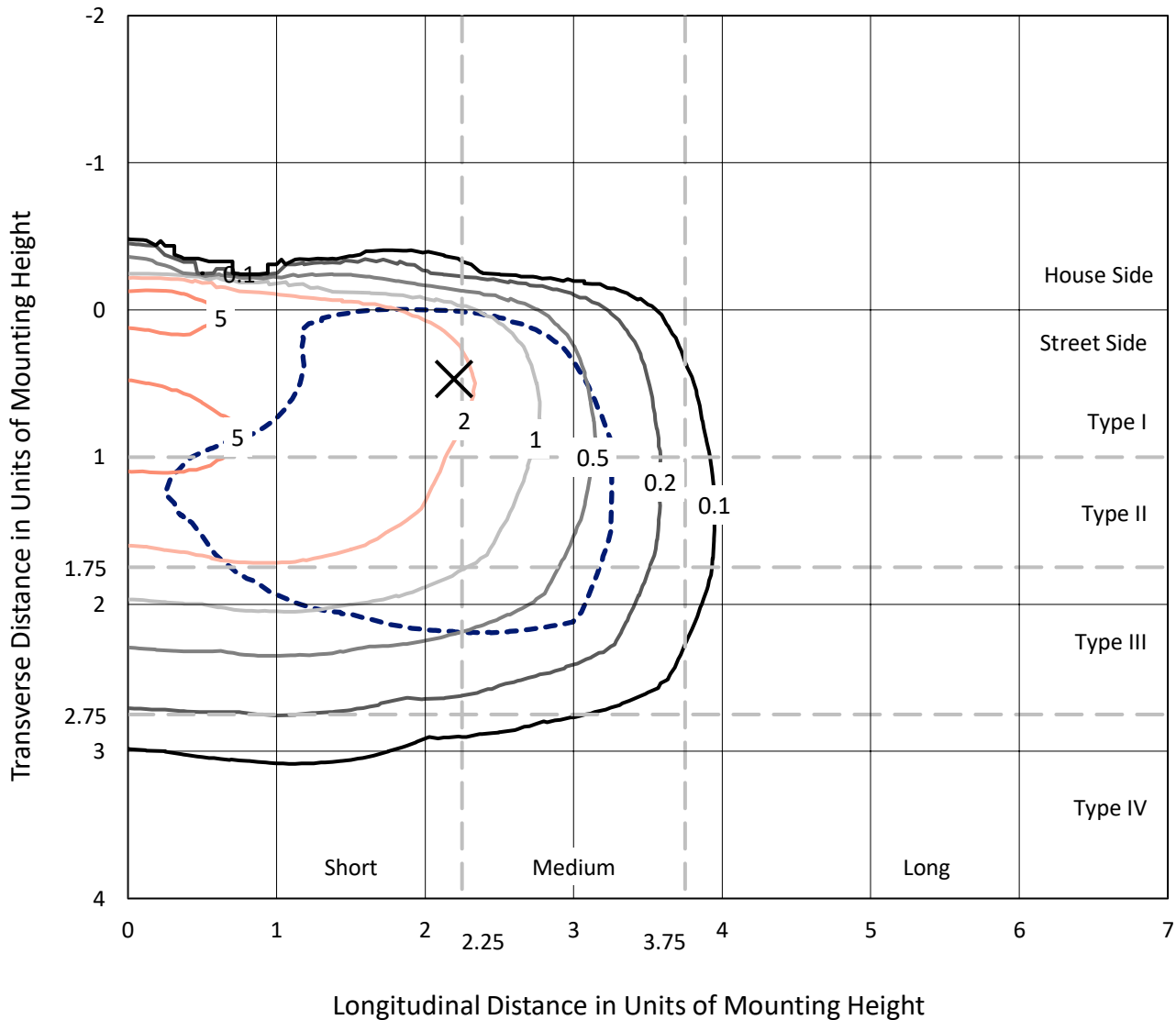
Lumens per Lamp: N/A
Luminaire Lumens: 24475.1 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 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

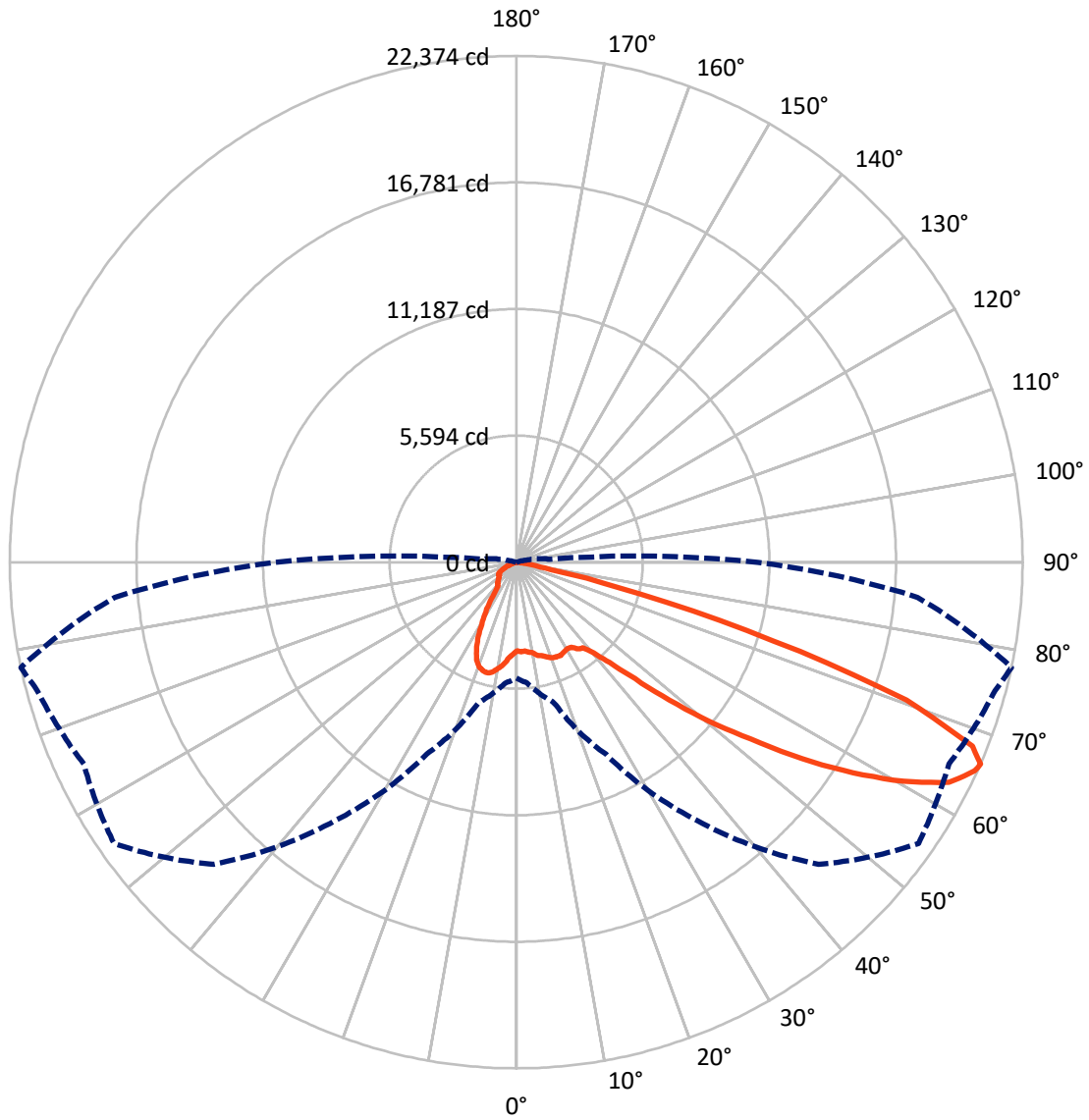
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	1720.7	0.0	1720.7
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	22754.4	0.0	22754.4
	% Fixture	93.0	0.0	93.0
Total	Lumens	24475.1	0.0	24475.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.6	1.5
10°-20°	809.6	3.3
20°-30°	1157.1	4.7
30°-40°	1980.7	8.1
40°-50°	3574.9	14.6
50°-60°	6113.6	25.0
60°-70°	7524.7	30.7
70°-80°	2844.8	11.6
80°-90°	111.1	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°	24475.1	100.0
0°-180°	24475.1	100.0

Coefficient of Utilization

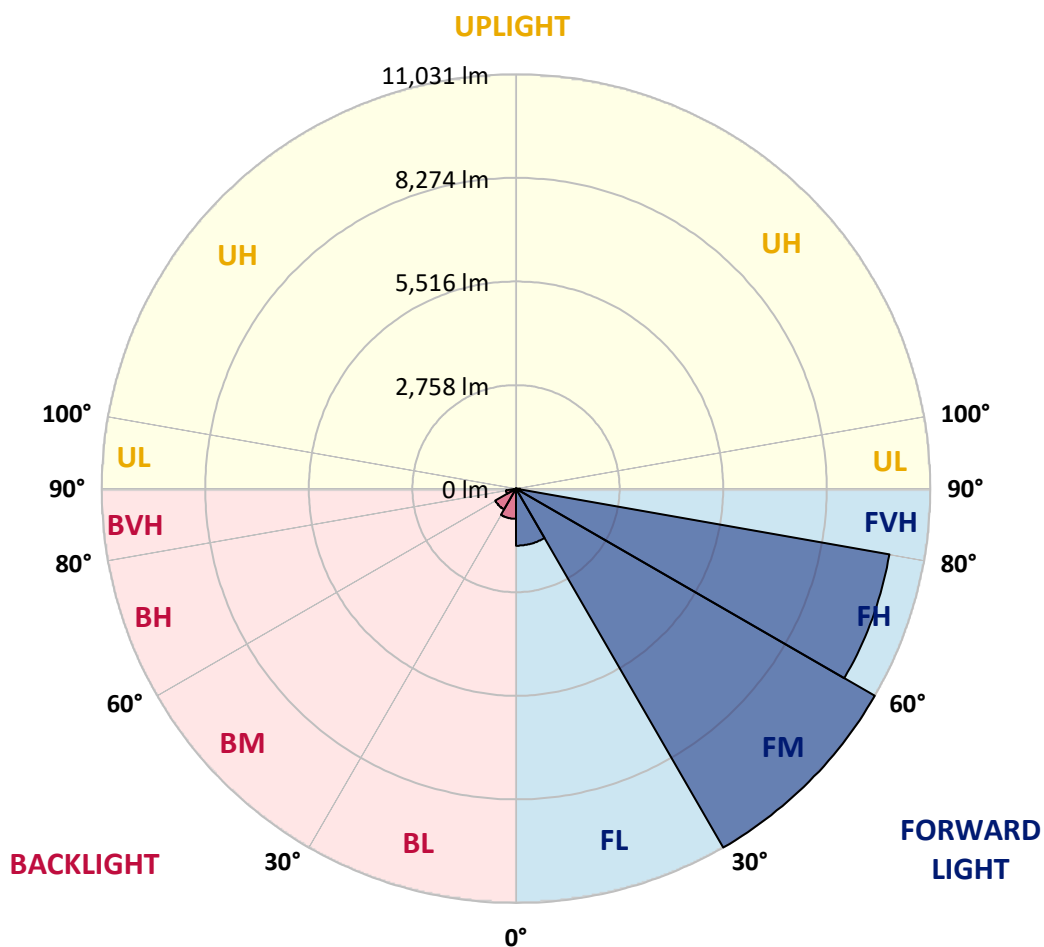


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1519.4	6.2			
FM (30°-60°)	11031.4	45.1			
FH (60°-80°)	10096.9	41.3			G4/12000
FVH (80°-90°)	106.7	0.4			G2/225
BL (0°-30°)	805.9	3.3	B2/1000		
BM (30°-60°)	637.8	2.6	B1/1000		
BH (60°-80°)	272.6	1.1	B1/500		G1/500
BVH (80°-90°)	4.5	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°	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1
2.5°	3605.8	3572.5	3605.8	3653.8	3679.7	3701.9	3779.6	3846.2	3916.4	3964.5	3949.7
5°	3343.2	3406.1	3413.5	3428.3	3468.9	3602.1	3646.5	3761.1	3934.9	3949.7	4016.3
7.5°	3136.1	3117.6	3165.7	3261.8	3365.4	3443.0	3572.5	3772.2	3953.4	4016.3	4145.7
10°	2836.5	2873.5	2925.3	3021.5	3147.2	3339.5	3568.8	3790.7	4049.6	4071.7	4312.1
12.5°	2673.8	2636.8	2718.2	2818.0	3032.5	3210.1	3491.1	3757.4	4108.7	4230.8	4508.1
15°	2540.7	2559.2	2636.8	2703.4	2880.9	3106.5	3435.7	3838.8	4208.6	4293.6	4715.2
17.5°	2485.2	2474.1	2533.3	2599.9	2818.0	3073.2	3413.5	3842.5	4297.3	4408.3	4855.8
20°	2511.1	2533.3	2514.8	2577.7	2714.5	2973.4	3446.7	3912.7	4363.9	4515.5	5007.4
22.5°	2917.9	2888.3	2740.4	2622.0	2629.4	2932.7	3420.9	3957.1	4423.1	4545.1	5111.0
25°	3979.3	3820.3	3454.1	2999.3	2699.7	2821.7	3391.3	3942.3	4412.0	4563.6	5173.8
27.5°	5048.1	4911.2	4552.5	3846.2	2984.5	2777.4	3287.7	3953.4	4356.5	4497.0	5070.3
30°	6176.0	6250.0	5717.5	4878.0	3731.5	3021.5	3221.2	3894.2	4319.5	4437.9	5092.5
32.5°	7333.6	7304.0	6982.3	6072.5	4800.3	3561.4	3328.4	3953.4	4367.6	4482.3	5221.9
35°	8239.7	8136.1	7810.7	6989.6	5684.2	4375.0	3698.2	4234.5	4578.4	4715.2	5406.8
37.5°	8687.1	8731.5	8542.9	7829.1	6653.1	5129.4	4160.5	4234.5	4645.0	4804.0	5706.4
40°	9034.8	9167.9	9097.6	8868.3	7614.6	5980.0	4670.9	4497.0	4981.5	5281.1	6268.5
42.5°	9452.7	9389.8	9804.0	9593.2	8872.0	7052.5	5565.8	5122.0	5776.6	6065.1	7111.7
45°	9674.6	9914.9	10229.3	10499.3	10037.0	8391.3	6734.5	6227.8	6993.3	7359.5	8365.4
47.5°	10244.1	10340.2	10850.6	11190.8	10983.7	9922.3	8509.6	7843.9	8524.4	9101.3	9800.3
50°	10576.9	10447.5	11161.2	11679.0	11797.3	11190.8	10099.9	9582.1	10343.9	11079.9	11142.8
52.5°	10284.8	10654.6	11368.4	12296.6	12625.7	12322.5	11967.5	11741.9	12278.1	12958.6	12655.3
55°	9260.4	9511.8	11250.0	12973.4	14034.8	13894.2	14223.4	14075.5	14615.4	15336.5	14423.1
57.5°	8435.7	8750.0	10277.4	13324.7	15347.6	15761.8	16176.0	16083.6	16734.5	17566.6	15920.9
60°	7921.6	8102.8	9574.7	13236.0	16124.3	17692.3	18628.0	17977.1	19038.5	19674.6	17093.2
62.5°	7030.3	7145.0	8550.3	12059.9	16357.3	19057.0	20643.5	19759.6	20680.5	21457.1	17936.4
65°	5636.1	5946.7	7108.0	10299.6	14818.8	19308.4	21900.9	20861.7	21753.0	22263.3	18191.6
66°	5129.4	5355.0	6420.1	9367.6	13942.3	18890.5	21690.1	21091.0	21908.3	22374.3	17799.6
67.5°	4256.7	4452.7	5299.6	8039.9	12148.7	17969.7	21838.0	20935.7	22026.6	21741.9	17274.4
70°	2818.0	2943.8	3624.3	5436.4	8461.5	14700.5	20255.2	19722.6	19363.9	18295.1	13505.9
72.5°	1316.6	1497.8	2263.3	3295.1	4963.0	10284.8	16516.3	15802.5	13579.9	11871.3	8520.7
75°	595.4	676.8	1242.6	1889.8	2226.3	5329.1	10654.6	9622.8	6760.4	5613.9	3731.5
77.5°	321.7	366.1	606.5	898.7	809.9	1867.6	5273.7	4386.1	2130.2	1560.7	1083.6
80°	247.8	292.2	506.7	514.1	299.6	484.5	1960.1	1357.2	532.5	403.1	258.9
82.5°	129.4	184.9	399.4	332.8	151.6	196.0	606.5	377.2	166.4	133.1	110.9
85°	51.8	81.4	225.6	221.9	88.8	66.6	170.1	114.6	66.6	55.5	51.8
87.5°	3.7	3.7	122.0	85.1	55.5	18.5	25.9	25.9	33.3	29.6	37.0
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°	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1	3920.1
2.5°	4016.3	4060.7	4068.1	4190.1	4216.0	4190.1	4256.7	4245.6	4275.2	4253.0	4212.3
5°	4108.7	4171.6	4293.6	4386.1	4386.1	4312.1	4253.0	4175.3	4060.7	4031.1	4008.9
7.5°	4267.8	4467.5	4578.4	4519.2	4400.9	4123.5	3738.9	3457.8	3221.2	3132.4	3091.7
10°	4548.8	4659.8	4789.2	4548.8	4057.0	3468.9	2821.7	2396.5	2063.6	1989.6	1934.2
12.5°	4730.0	4907.5	4981.5	4386.1	3420.9	2544.4	1841.7	1360.9	1128.0	950.4	920.9
15°	4966.7	5170.1	5018.5	3946.0	2696.0	1667.9	954.1	595.4	484.5	454.9	454.9
17.5°	5129.4	5351.3	4866.9	3398.7	1912.0	887.6	473.4	410.5	403.1	406.8	399.4
20°	5414.2	5547.3	4637.6	2762.6	1142.8	454.9	380.9	366.1	358.7	369.8	362.4
22.5°	5521.5	5643.5	4264.1	2000.7	514.1	303.3	284.8	273.7	281.1	277.4	273.7
25°	5514.1	5576.9	3650.2	1146.5	151.6	118.3	107.2	107.2	99.9	103.6	99.9
27.5°	5569.5	5414.2	2962.3	340.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5599.1	5151.6	2108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5613.9	5014.8	1357.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5728.6	4741.1	580.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5806.2	4389.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6128.0	4278.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6545.9	4071.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	7126.5	3764.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7895.7	3583.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8468.9	3298.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9197.5	3128.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10062.9	3136.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10850.6	3084.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	11253.7	2636.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11168.6	2133.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10872.8	1675.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	10669.4	1483.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	10051.8	1187.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7999.3	813.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5088.8	499.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2344.7	229.3	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	735.9	140.5	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	192.3	88.8	29.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	99.9	62.9	25.9	11.1	7.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	62.9	25.9	11.1	7.4	7.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	55.5	14.8	7.4	7.4	3.7	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)