

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: P482893

Luminaire Tested: **IFLD-S-SA6D-750-U-T3R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482893
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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

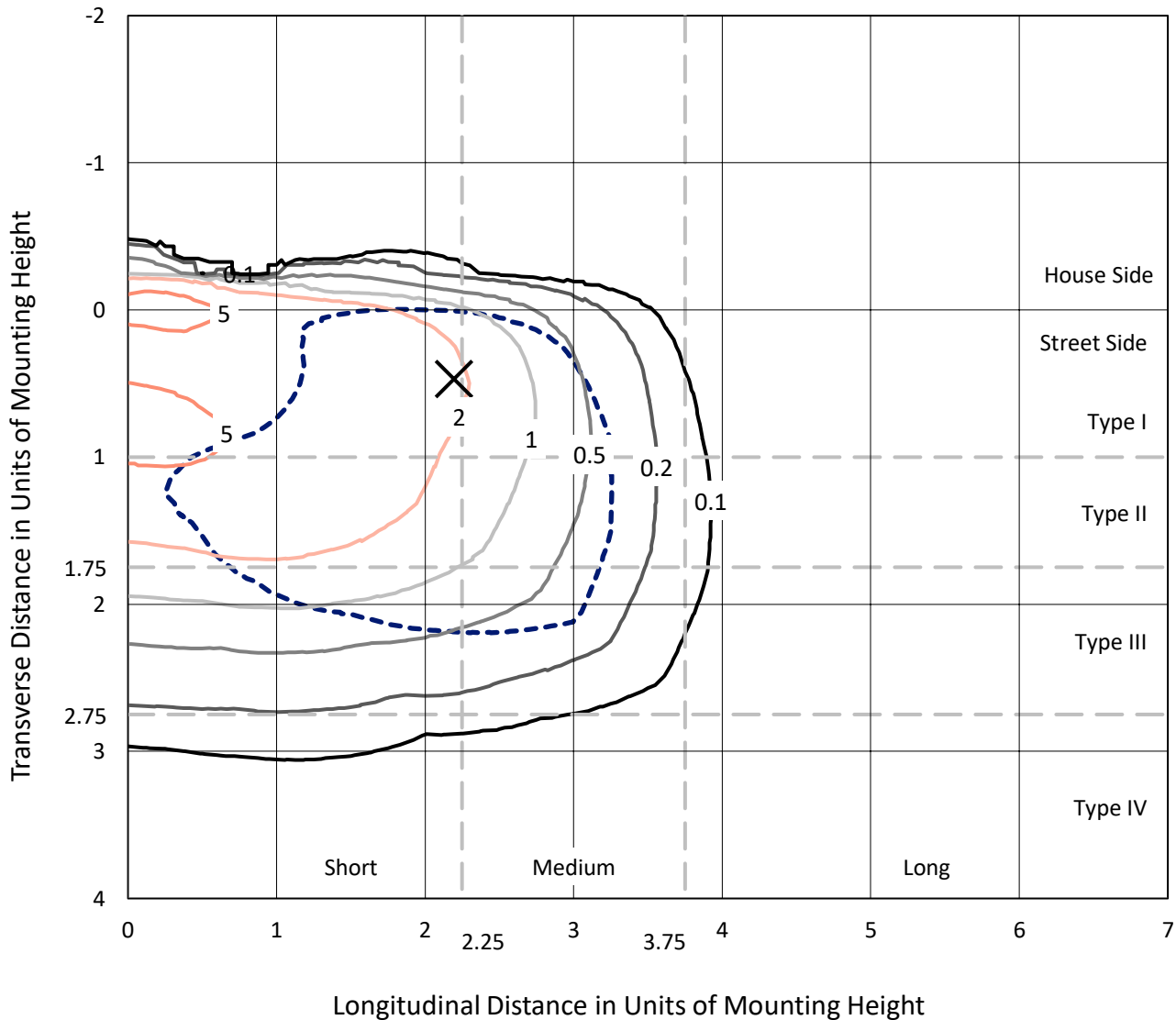
Lumens per Lamp: N/A
Luminaire Lumens: 33524.8 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

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

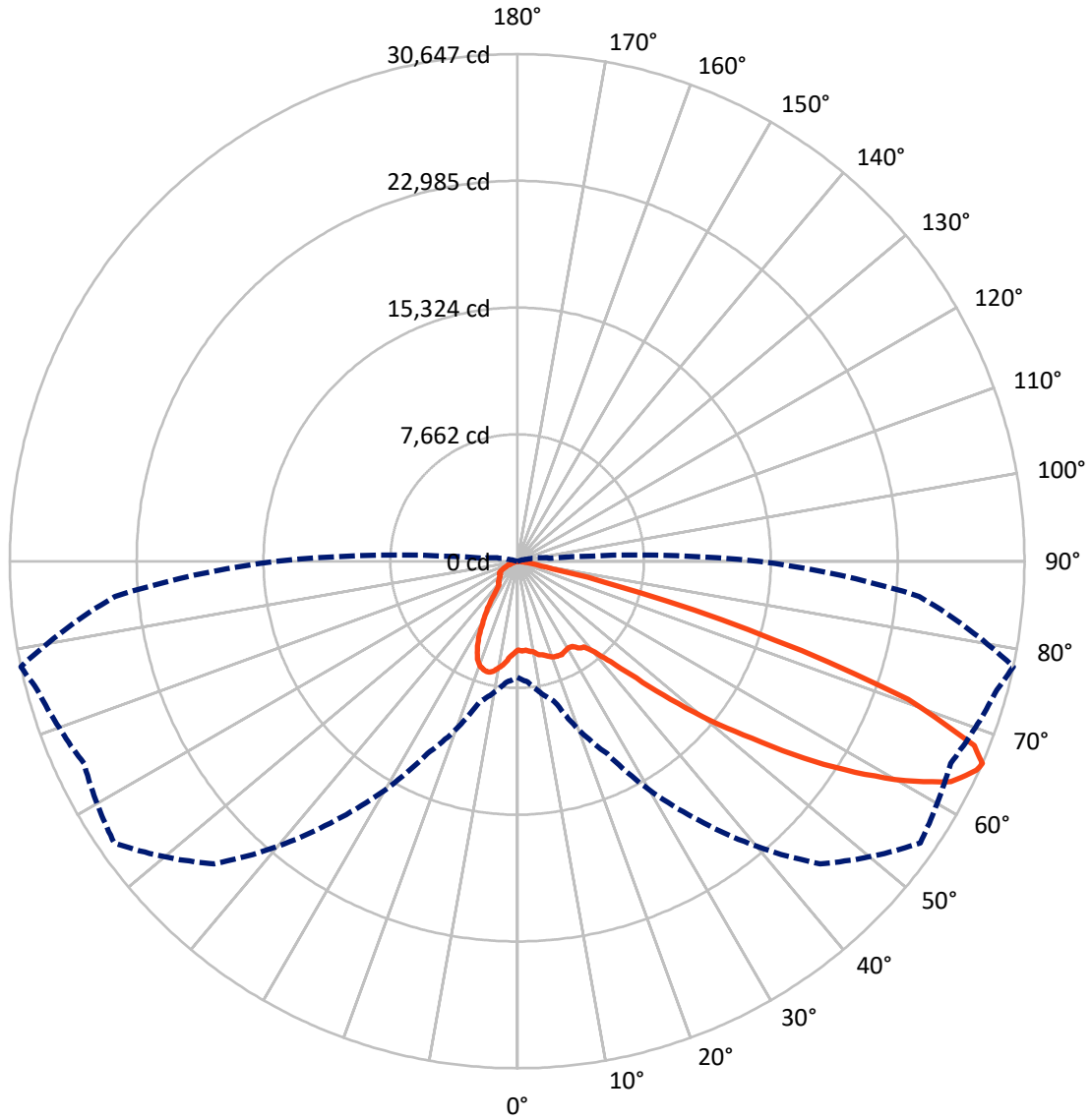
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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	2356.9	0.0	2356.9
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	31167.9	0.0	31167.9
	% Fixture	93.0	0.0	93.0
Total	Lumens	33524.8	0.0	33524.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.2	1.5
10°-20°	1108.9	3.3
20°-30°	1585.0	4.7
30°-40°	2713.1	8.1
40°-50°	4896.7	14.6
50°-60°	8374.1	25.0
60°-70°	10307.0	30.7
70°-80°	3896.6	11.6
80°-90°	152.2	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°	33524.8	100.0
0°-180°	33524.8	100.0

Coefficient of Utilization

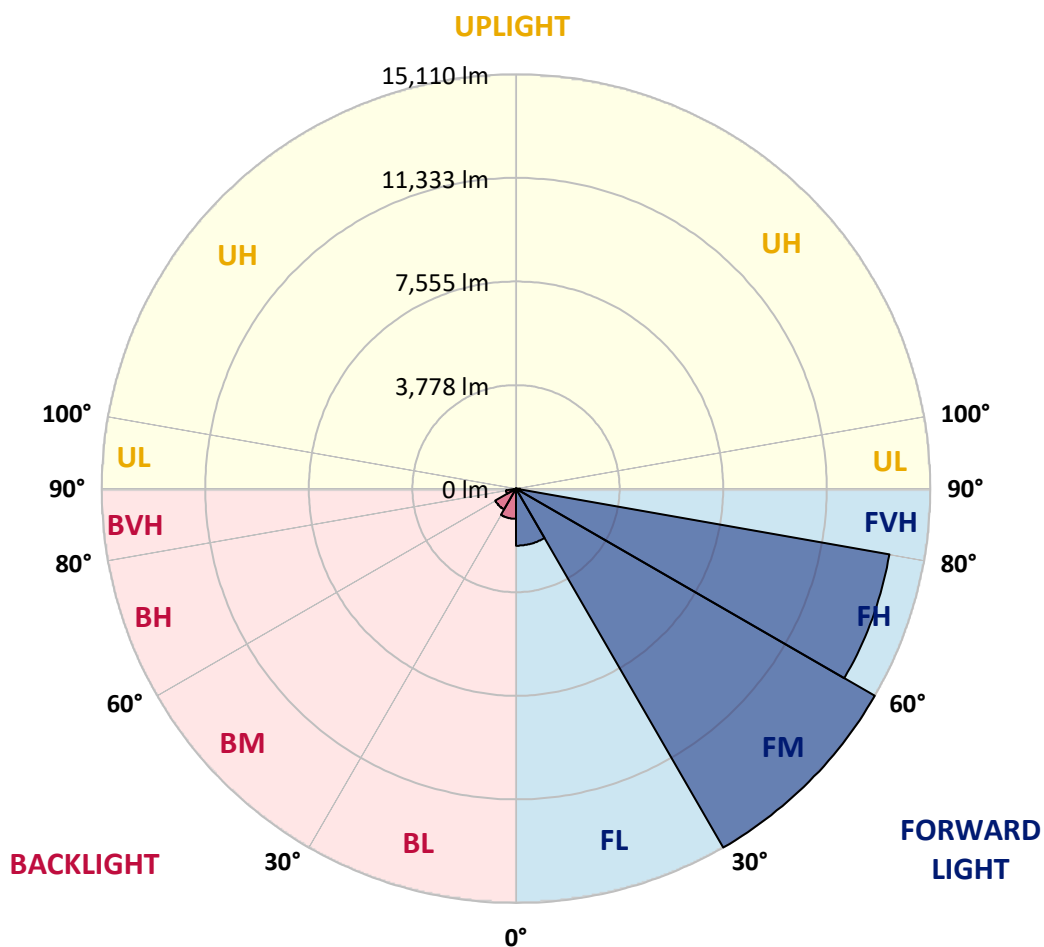


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2081.2	6.2			
FM (30°-60°)	15110.3	45.1			
FH (60°-80°)	13830.2	41.3			G5
FVH (80°-90°)	146.1	0.4			G2/225
BL (0°-30°)	1103.9	3.3	B3/2500		
BM (30°-60°)	873.6	2.6	B1/1000		
BH (60°-80°)	373.4	1.1	B1/500		G1/500
BVH (80°-90°)	6.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6
2.5°	4939.0	4893.4	4939.0	5004.9	5040.3	5070.7	5177.1	5268.3	5364.5	5430.4	5410.1
5°	4579.3	4665.5	4675.6	4695.9	4751.6	4933.9	4994.7	5151.8	5389.9	5410.1	5501.3
7.5°	4295.7	4270.3	4336.2	4467.9	4609.7	4716.1	4893.4	5167.0	5415.2	5501.3	5678.6
10°	3885.4	3936.0	4006.9	4138.6	4310.9	4574.3	4888.4	5192.3	5546.9	5577.3	5906.5
12.5°	3662.5	3611.8	3723.3	3860.0	4153.8	4397.0	4782.0	5146.7	5627.9	5795.1	6175.0
15°	3480.1	3505.4	3611.8	3703.0	3946.1	4255.1	4706.0	5258.1	5764.7	5881.2	6458.7
17.5°	3404.1	3388.9	3470.0	3561.2	3860.0	4209.6	4675.6	5263.2	5886.3	6038.3	6651.2
20°	3439.6	3470.0	3444.6	3530.8	3718.2	4072.8	4721.2	5359.5	5977.5	6185.2	6858.9
22.5°	3996.8	3956.3	3753.6	3591.5	3601.7	4017.1	4685.7	5420.2	6058.5	6225.7	7000.7
25°	5450.6	5232.8	4731.3	4108.2	3697.9	3865.1	4645.2	5400.0	6043.3	6251.0	7086.8
27.5°	6914.6	6727.2	6235.8	5268.3	4088.0	3804.3	4503.4	5415.2	5967.3	6159.8	6945.0
30°	8459.6	8560.9	7831.5	6681.6	5111.2	4138.6	4412.2	5334.1	5916.7	6078.8	6975.4
32.5°	10045.2	10004.7	9563.9	8317.8	6575.2	4878.2	4559.1	5415.2	5982.5	6139.6	7152.7
35°	11286.3	11144.4	10698.7	9574.1	7785.9	5992.7	5065.6	5800.2	6271.3	6458.7	7406.0
37.5°	11899.2	11960.0	11701.7	10724.0	9113.1	7026.1	5698.9	5800.2	6362.5	6580.3	7816.3
40°	12375.4	12557.7	12461.5	12147.4	10430.2	8191.2	6397.9	6159.8	6823.4	7233.7	8586.3
42.5°	12947.8	12861.7	13429.0	13140.3	12152.5	9660.2	7623.8	7015.9	7912.5	8307.7	9741.2
45°	13251.7	13581.0	14011.6	14381.4	13748.2	11494.0	9224.5	8530.6	9579.1	10080.6	11458.5
47.5°	14031.9	14163.6	14862.6	15328.7	15045.0	13591.1	11656.1	10744.2	11676.3	12466.6	13424.0
50°	14487.8	14310.5	15288.1	15997.3	16159.4	15328.7	13834.3	13125.1	14168.6	15176.7	15262.8
52.5°	14087.6	14594.1	15571.8	16843.3	17294.1	16878.7	16392.4	16083.4	16818.0	17750.0	17334.7
55°	12684.4	13028.9	15409.7	17770.3	19224.1	19031.6	19482.5	19279.9	20019.4	21007.3	19756.0
57.5°	11554.7	11985.3	14077.4	18251.5	21022.4	21589.8	22157.2	22030.5	22922.1	24061.8	21807.6
60°	10850.6	11098.8	13115.0	18130.0	22086.2	24234.1	25515.7	24624.1	26078.0	26949.3	23413.4
62.5°	9629.8	9786.8	11711.8	16519.1	22405.4	26103.3	28276.5	27065.8	28327.1	29390.9	24568.4
65°	7720.1	8145.6	9736.2	14107.8	20298.1	26447.8	29998.8	28575.3	29796.2	30495.2	24917.9
66°	7026.1	7335.1	8794.0	12831.3	19097.5	25875.3	29710.0	28889.4	30008.9	30647.2	24381.0
67.5°	5830.6	6099.0	7259.1	11012.7	16640.7	24614.0	29912.7	28676.6	30171.0	29781.0	23661.7
70°	3860.0	4032.3	4964.3	7446.5	11590.2	20136.0	27744.6	27015.1	26523.7	25059.8	18499.8
72.5°	1803.4	2051.6	3100.2	4513.5	6798.1	14087.6	22623.2	21645.5	18601.1	16260.7	11671.3
75°	815.6	927.0	1702.1	2588.5	3049.5	7299.6	14594.1	13180.8	9260.0	7689.7	5111.2
77.5°	440.7	501.5	830.8	1231.0	1109.4	2558.2	7223.6	6007.9	2917.8	2137.7	1484.2
80°	339.4	400.2	694.0	704.1	410.3	663.6	2684.8	1859.1	729.5	552.2	354.6
82.5°	177.3	253.3	547.1	455.9	207.7	268.5	830.8	516.7	228.0	182.4	152.0
85°	70.9	111.4	309.0	303.9	121.6	91.2	233.0	157.0	91.2	76.0	70.9
87.5°	5.1	5.1	167.2	116.5	76.0	25.3	35.5	35.5	45.6	40.5	50.7
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°	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6	5369.6
2.5°	5501.3	5562.1	5572.2	5739.4	5774.8	5739.4	5830.6	5815.4	5855.9	5825.5	5769.8
5°	5627.9	5714.1	5881.2	6007.9	6007.9	5906.5	5825.5	5719.1	5562.1	5521.6	5491.2
7.5°	5845.8	6119.3	6271.3	6190.2	6028.1	5648.2	5121.4	4736.4	4412.2	4290.6	4234.9
10°	6230.7	6382.7	6560.0	6230.7	5557.0	4751.6	3865.1	3282.5	2826.6	2725.3	2649.3
12.5°	6479.0	6722.1	6823.4	6007.9	4685.7	3485.2	2522.7	1864.2	1545.0	1301.9	1261.3
15°	6803.2	7081.8	6874.1	5405.0	3692.9	2284.6	1306.9	815.6	663.6	623.1	623.1
17.5°	7026.1	7330.0	6666.4	4655.3	2618.9	1215.8	648.4	562.3	552.2	557.2	547.1
20°	7416.1	7598.5	6352.3	3784.0	1565.3	623.1	521.8	501.5	491.4	506.6	496.4
22.5°	7563.0	7730.2	5840.7	2740.5	704.1	415.4	390.1	374.9	385.0	379.9	374.9
25°	7552.9	7639.0	4999.8	1570.4	207.7	162.1	146.9	146.9	136.8	141.8	136.8
27.5°	7628.9	7416.1	4057.6	466.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	7669.4	7056.5	2887.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	7689.7	6869.0	1859.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7846.7	6494.2	795.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7953.1	6012.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	8393.8	5861.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8966.2	5577.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9761.5	5156.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10815.2	4908.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11600.3	4518.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12598.3	4285.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13783.6	4295.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	14862.6	4224.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	15414.8	3611.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	15298.3	2922.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	14893.0	2294.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	14614.4	2031.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	13768.4	1626.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	10957.0	1114.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6970.3	683.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	3211.6	314.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1008.1	192.5	40.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	263.4	121.6	40.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	136.8	86.1	35.5	15.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	86.1	35.5	15.2	10.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	76.0	20.3	10.1	10.1	5.1	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)