

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: P481723

Luminaire Tested: **IFLD-S-SA6D-750-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481723
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-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

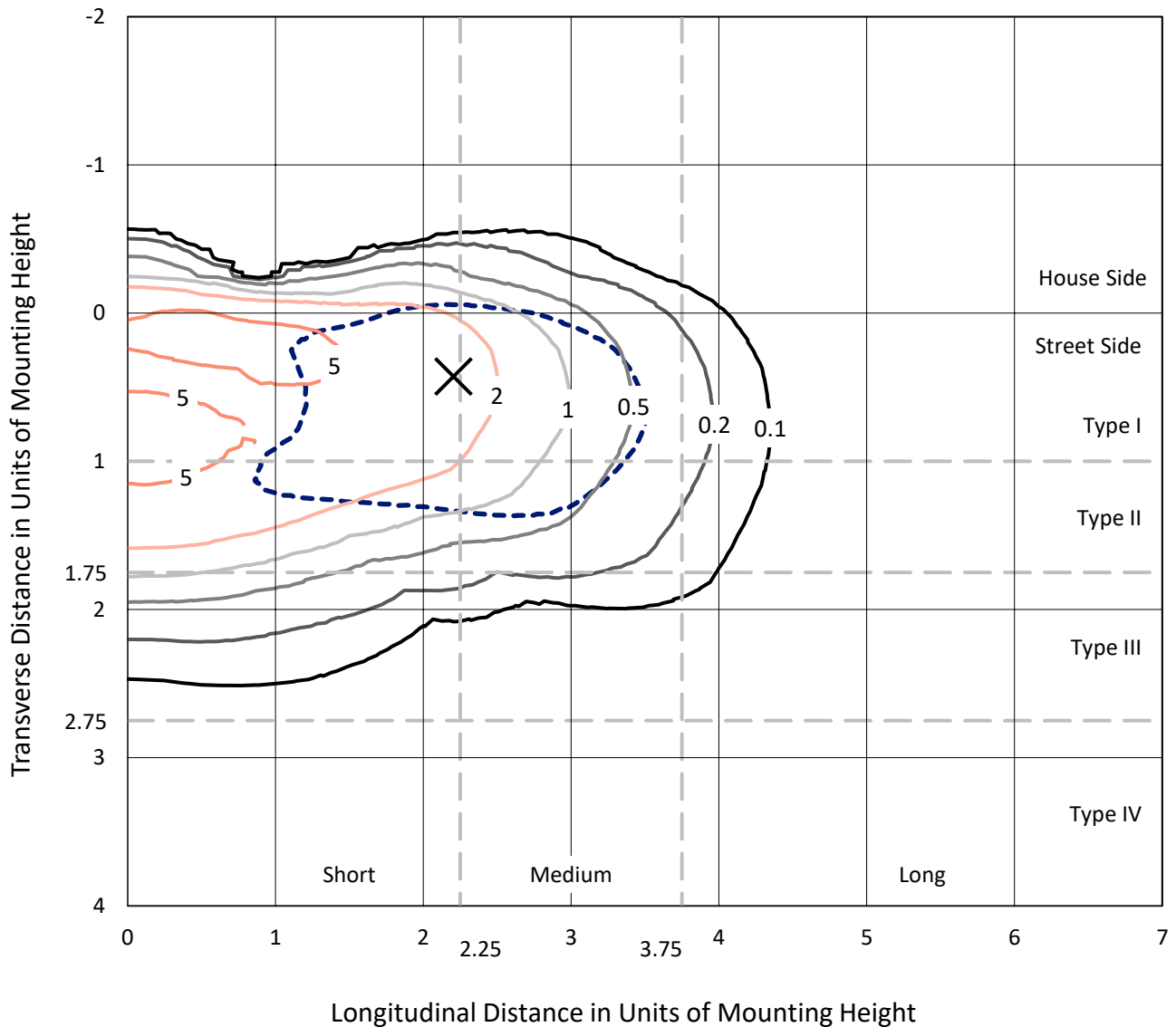
Lumens per Lamp: N/A
Luminaire Lumens: 33680.1 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

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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 CATALOG NUMBER: IFLD-S-SA6D-750-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

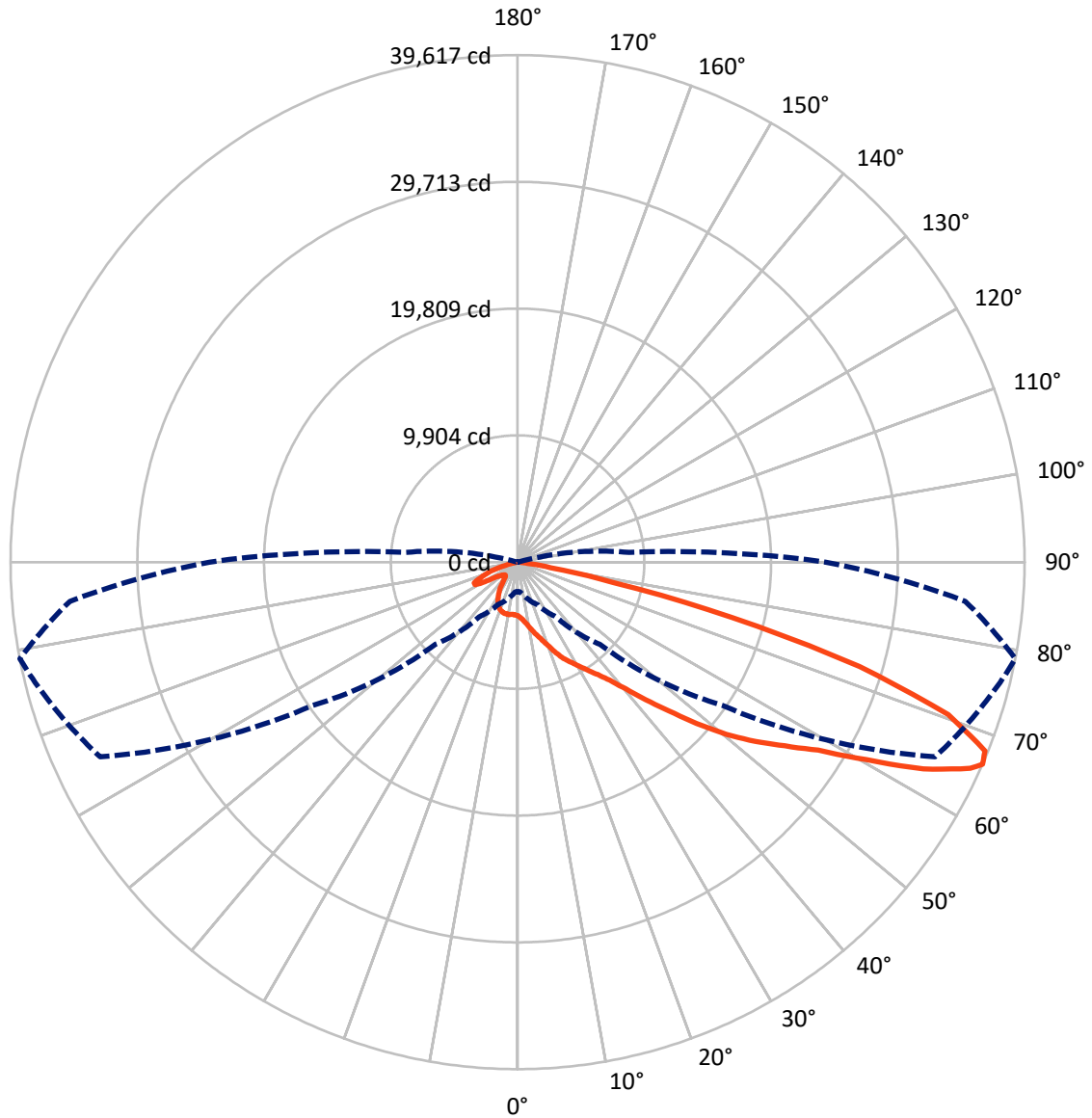
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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CATALOG NUMBER: IFLD-S-SA6D-750-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2528.9	0.0	2528.9
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	31151.1	0.0	31151.1
	% Fixture	92.5	0.0	92.5
Total	Lumens	33680.1	0.0	33680.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.3	1.2
10°-20°	1090.6	3.2
20°-30°	1811.8	5.4
30°-40°	3112.0	9.2
40°-50°	5637.7	16.7
50°-60°	8911.5	26.5
60°-70°	9068.2	26.9
70°-80°	3458.1	10.3
80°-90°	193.9	0.6
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°	33680.1	100.0
0°-180°	33680.1	100.0

Coefficient of Utilization

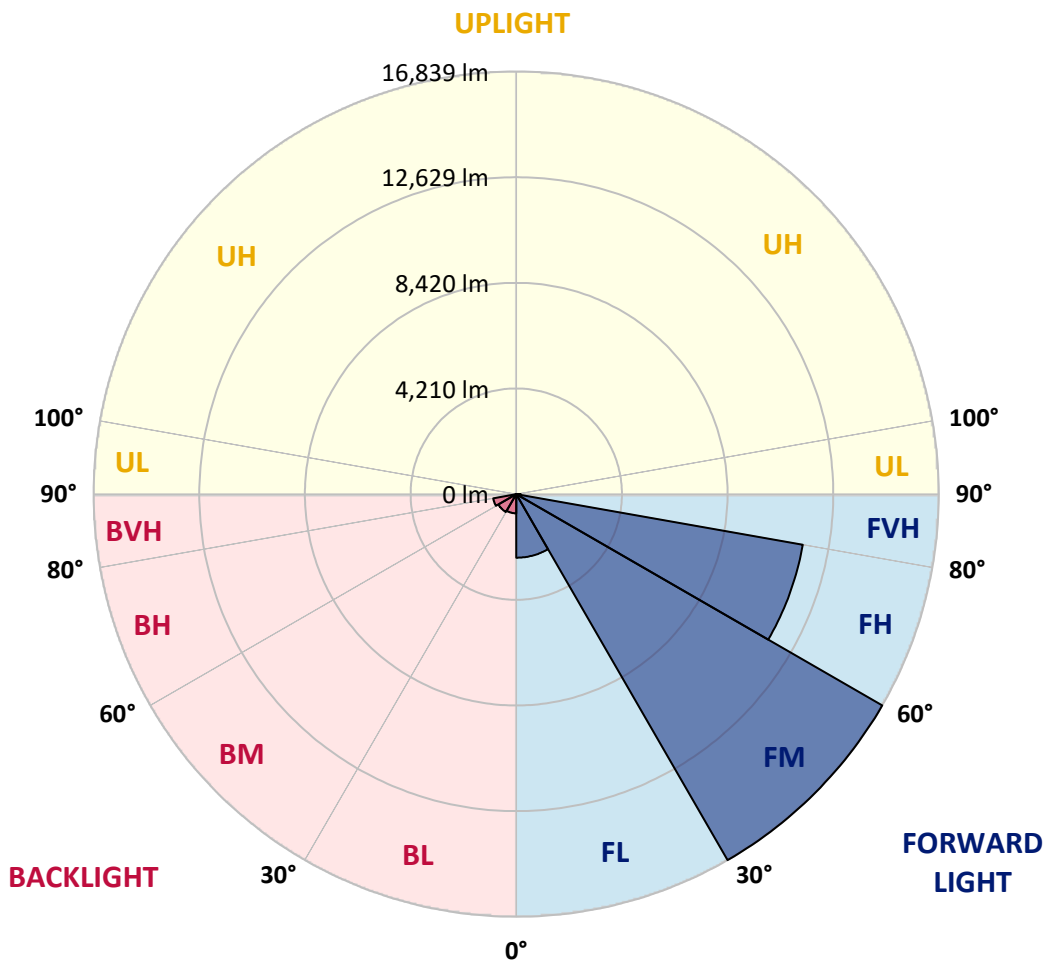


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2533.9	7.5			
FM (30°-60°)	16839.3	50.0			
FH (60°-80°)	11594.1	34.4			G4/12000
FVH (80°-90°)	184.0	0.5			G2/225
BL (0°-30°)	764.8	2.3	B2/1000		
BM (30°-60°)	821.9	2.4	B1/1000		
BH (60°-80°)	932.3	2.8	B2/1000		G2/1000
BVH (80°-90°)	9.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2
2.5°	4745.8	4740.6	4719.8	4683.5	4636.7	4621.2	4553.7	4460.2	4408.3	4351.2	4325.2
5°	5072.9	5046.9	5109.2	5083.3	5093.7	4969.1	4886.0	4818.5	4621.2	4543.3	4418.7
7.5°	5145.6	5171.6	5166.4	5207.9	5249.4	5296.2	5239.1	5140.4	4943.1	4828.9	4693.9
10°	5145.6	5135.2	5176.7	5233.9	5353.3	5457.1	5612.9	5483.1	5332.5	5197.5	4953.5
12.5°	5052.1	5036.6	5078.1	5197.5	5410.4	5623.3	5794.6	5919.2	5706.4	5597.3	5280.6
15°	4766.6	4751.0	4922.3	5135.2	5415.6	5763.5	6121.7	6324.2	6178.9	6007.5	5654.4
17.5°	4413.5	4434.2	4616.0	4969.1	5415.6	5831.0	6287.9	6729.2	6708.5	6490.4	6121.7
20°	4294.0	4309.6	4491.4	4745.8	5254.6	5877.7	6547.5	7170.6	7295.2	7035.6	6552.7
22.5°	4522.5	4506.9	4522.5	4678.3	5145.6	5836.2	6718.9	7674.2	7897.5	7695.0	7118.7
25°	5301.4	5291.0	5161.2	4922.3	5083.3	5742.7	6807.1	8006.6	8520.6	8333.7	7575.6
27.5°	6443.7	6402.1	6199.6	5701.2	5374.1	5799.8	6952.5	8328.5	9065.8	8852.9	7985.8
30°	7669.1	7570.4	7305.6	6682.5	6126.9	6012.7	7035.6	8567.3	9673.3	9403.3	8344.1
32.5°	8515.4	8645.2	8562.1	7928.7	7077.1	6506.0	7170.6	8868.5	10234.1	10057.5	8956.8
35°	9823.9	9974.4	9626.6	9065.8	8209.1	7290.0	7456.2	9112.5	11096.0	10800.0	9527.9
37.5°	11475.0	11589.3	11340.0	10275.6	9372.1	8255.8	8042.9	9621.4	11838.5	11698.3	10260.0
40°	12305.8	12856.2	12503.1	11542.5	10571.6	9605.8	9013.9	10218.5	13131.4	13017.1	11272.5
42.5°	13453.3	13728.5	13546.8	12835.4	11822.9	11049.3	10213.3	11381.6	14699.5	14699.5	12643.3
45°	14668.3	14678.7	14668.3	14086.8	13188.5	12788.7	11833.3	12840.6	16387.0	16573.9	14284.1
47.5°	15665.2	15976.8	15950.8	15602.9	14907.2	14756.6	13453.3	14502.2	18505.4	18832.5	15883.3
50°	16179.3	16527.2	16631.0	16812.7	16781.6	17098.3	15223.9	16428.5	20333.1	21137.9	17939.5
52.5°	16039.1	16065.0	16703.7	17420.2	18562.5	19450.4	17357.9	18614.5	22472.4	23266.8	19528.3
55°	14891.6	14792.9	16106.6	16927.0	19289.5	20888.7	20312.4	21340.4	24139.1	25348.9	21169.1
57.5°	12373.3	12399.3	13614.3	15281.0	18749.5	21459.9	23469.3	24902.4	26475.6	27695.8	23474.5
60°	8541.4	8510.2	9870.6	11797.0	15577.0	20395.4	25286.6	29518.3	29601.4	31330.5	27612.8
62.5°	4802.9	4813.3	5846.6	7492.5	10898.7	16667.3	25198.3	34419.9	34066.8	35583.0	32317.0
65°	2720.8	2788.3	3499.6	4439.4	6526.7	11189.5	21672.7	36372.2	37509.3	38859.3	35172.8
66°	2300.2	2346.9	2954.4	3665.8	5207.9	9076.2	19507.5	35993.2	38589.3	39617.4	35115.7
67.5°	1781.0	1843.3	2352.1	2907.7	3821.5	6282.7	15701.6	34108.4	38786.6	39388.9	34123.9
70°	1220.2	1261.7	1651.2	2206.7	2611.7	3214.0	9387.7	28199.5	35193.5	35702.4	29658.5
72.5°	856.7	877.5	1157.9	1671.9	2009.4	1838.1	4657.5	20063.1	26932.6	27924.3	23069.5
75°	617.9	638.7	794.4	1199.4	1568.1	1204.6	2134.0	12814.6	16516.8	17295.6	13894.6
77.5°	446.5	472.5	540.0	773.7	1137.1	846.3	1048.8	6692.9	7788.5	7653.5	5976.4
80°	270.0	296.0	399.8	498.5	830.8	597.1	576.3	2793.5	2762.3	2622.1	1879.6
82.5°	124.6	145.4	212.9	337.5	581.5	415.4	275.2	996.9	872.3	799.6	529.6
85°	36.3	46.7	124.6	254.4	296.0	202.5	166.2	342.7	358.3	306.3	176.5
87.5°	0.0	5.2	57.1	62.3	88.3	67.5	62.3	88.3	166.2	135.0	57.1
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°	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2
2.5°	4231.7	4195.4	4107.1	3972.1	3852.7	3790.4	3702.1	3624.2	3582.7	3577.5	3572.3
5°	4335.6	4236.9	4024.0	3780.0	3598.3	3401.0	3266.0	3167.3	3073.9	2985.6	3037.5
7.5°	4475.8	4320.0	3972.1	3655.4	3260.8	3006.4	2767.5	2627.3	2544.2	2466.4	2456.0
10°	4693.9	4496.5	3935.8	3364.6	2912.9	2539.0	2295.0	2092.5	1978.3	1843.3	1895.2
12.5°	4989.8	4636.7	3800.8	3099.8	2518.3	2123.7	1775.8	1448.7	1266.9	1126.7	1131.9
15°	5285.8	4823.7	3676.2	2777.9	2160.0	1640.8	1131.9	908.7	856.7	825.6	836.0
17.5°	5576.6	4974.2	3484.0	2450.8	1749.8	1043.7	825.6	778.8	752.9	721.7	721.7
20°	5929.6	5072.9	3245.2	2149.6	1204.6	773.7	706.2	675.0	633.5	591.9	597.1
22.5°	6272.3	5156.0	2970.0	1765.4	810.0	669.8	591.9	550.4	514.0	472.5	472.5
25°	6615.0	5181.9	2611.7	1266.9	654.2	534.8	462.1	405.0	368.7	332.3	337.5
27.5°	6848.7	5021.0	2274.2	810.0	524.4	405.0	321.9	275.2	244.0	207.7	207.7
30°	6983.7	4725.0	1910.8	571.2	394.6	275.2	192.1	145.4	114.2	88.3	83.1
32.5°	7118.7	4486.2	1500.6	436.2	259.6	145.4	72.7	26.0	0.0	0.0	0.0
35°	7388.7	4216.2	1007.3	244.0	88.3	5.2	0.0	0.0	0.0	0.0	0.0
37.5°	7560.0	3842.3	462.1	36.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7991.0	3655.4	114.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8691.9	3525.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9460.4	3473.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10483.3	3613.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11563.3	3992.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12747.1	4351.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13780.4	4782.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	15680.8	5799.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	19092.2	7798.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	22934.5	9283.9	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	24341.6	9247.5	98.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	24092.4	8738.7	98.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	22799.5	7762.5	88.3	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	19580.2	6412.5	88.3	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	14927.9	4995.0	83.1	20.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	9008.7	2658.5	67.5	26.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3587.9	934.6	51.9	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	971.0	280.4	31.2	20.8	15.6	5.2	0.0	0.0	0.0	0.0	0.0
82.5°	254.4	103.8	26.0	20.8	10.4	5.2	0.0	0.0	0.0	0.0	0.0
85°	98.7	41.5	20.8	15.6	15.6	10.4	5.2	0.0	0.0	0.0	0.0
87.5°	31.2	15.6	15.6	10.4	10.4	5.2	5.2	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)