

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: P482776

Luminaire Tested: **IFLD-S-SA6D-730-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482776
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-730-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

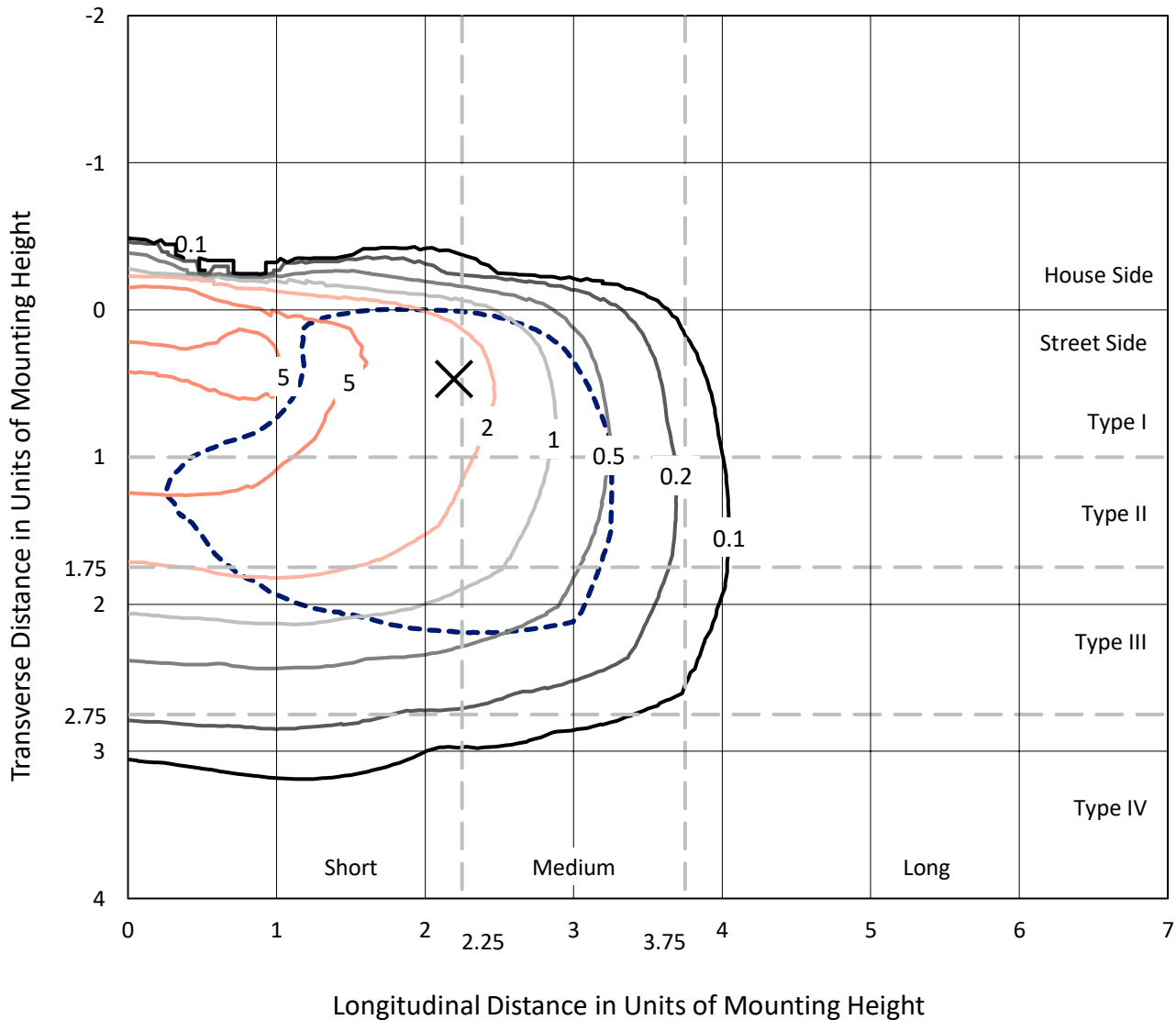
Lumens per Lamp: N/A
Luminaire Lumens: 29844.3 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G5

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

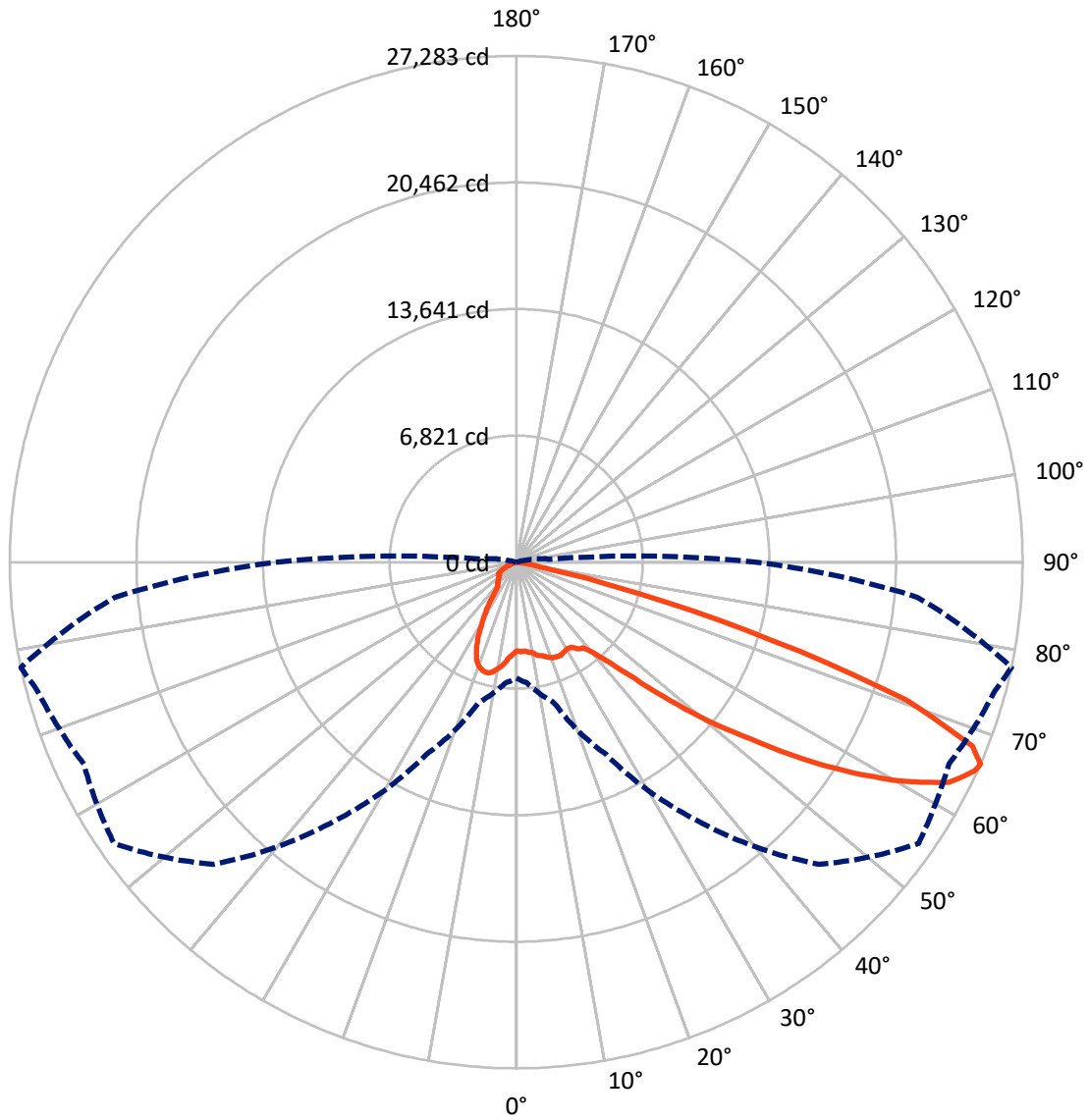
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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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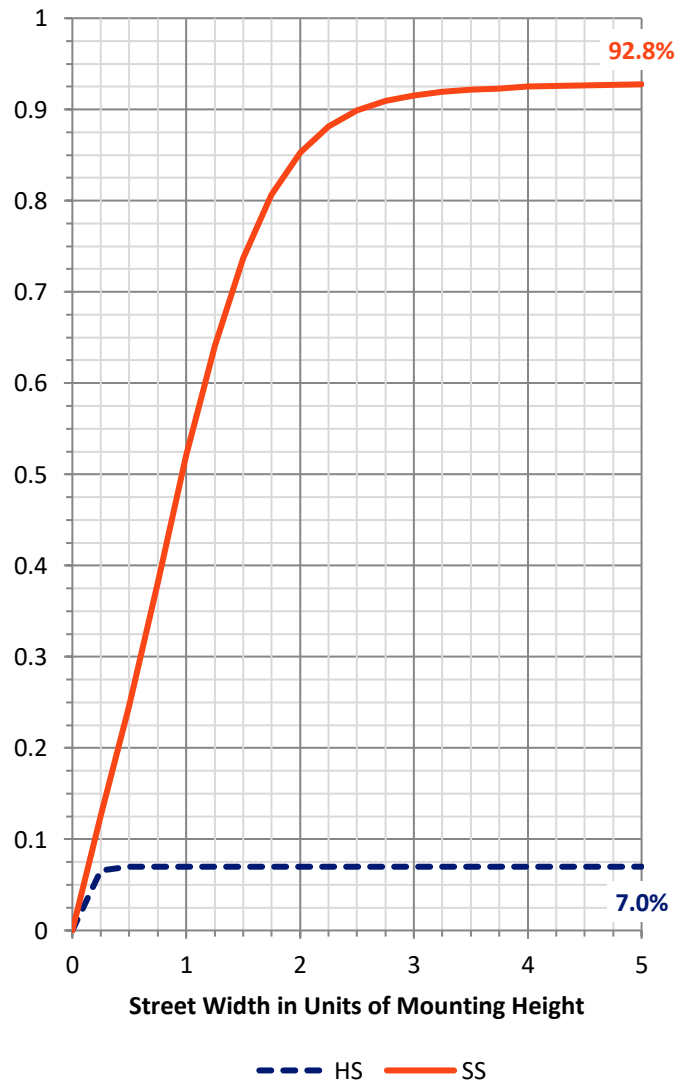
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2098.2	0.0	2098.2
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	27746.1	0.0	27746.1
	% Fixture	93.0	0.0	93.0
Total	Lumens	29844.3	0.0	29844.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.3	1.5
10°-20°	987.2	3.3
20°-30°	1411.0	4.7
30°-40°	2415.2	8.1
40°-50°	4359.1	14.6
50°-60°	7454.7	25.0
60°-70°	9175.5	30.7
70°-80°	3468.8	11.6
80°-90°	135.5	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°	29844.3	100.0
0°-180°	29844.3	100.0

Coefficient of Utilization

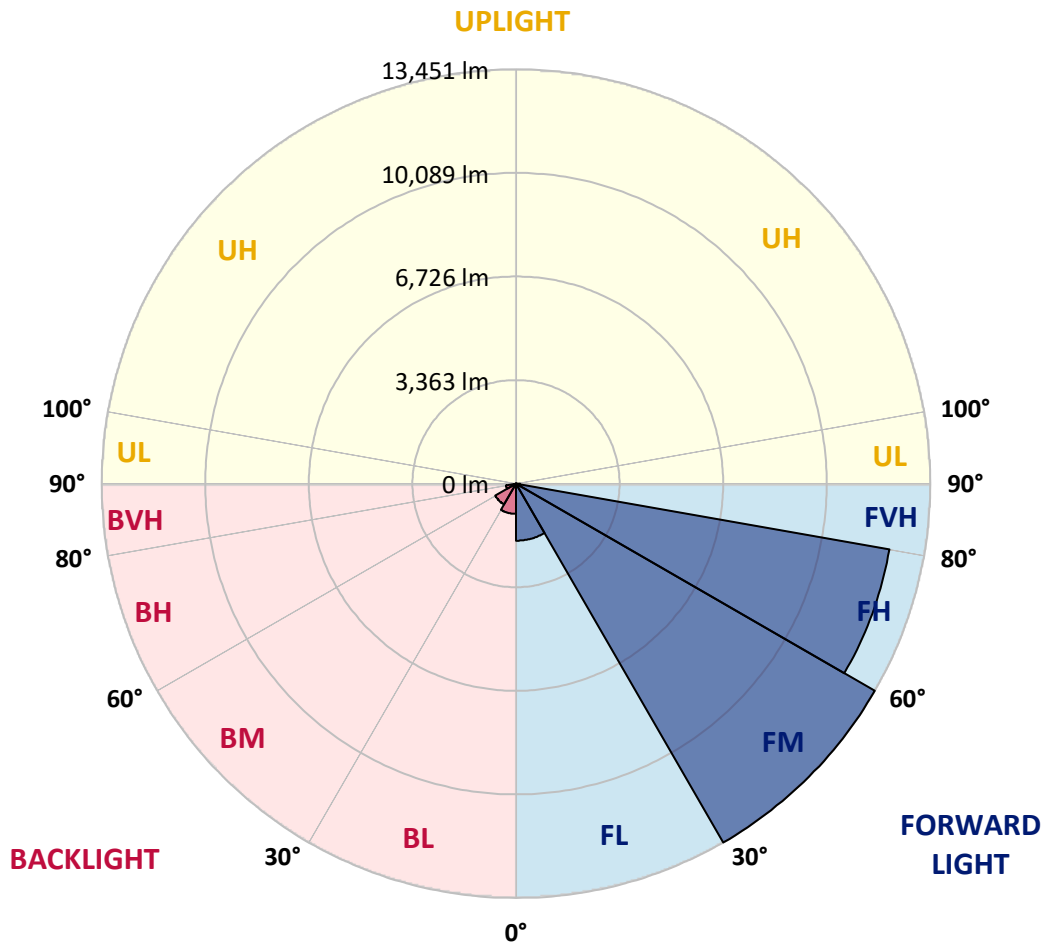


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1852.7	6.2			
FM (30°-60°)	13451.4	45.1			
FH (60°-80°)	12311.9	41.3			G5
FVH (80°-90°)	130.1	0.4			G2/225
BL (0°-30°)	982.7	3.3	B2/1000		
BM (30°-60°)	777.7	2.6	B1/1000		
BH (60°-80°)	332.4	1.1	B1/500		G1/500
BVH (80°-90°)	5.4	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-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1
2.5°	4396.8	4356.2	4396.8	4455.4	4487.0	4514.0	4608.7	4689.9	4775.6	4834.2	4816.2
5°	4076.6	4153.3	4162.3	4180.3	4229.9	4392.3	4446.4	4586.2	4798.1	4816.2	4897.3
7.5°	3824.1	3801.5	3860.1	3977.4	4103.7	4198.4	4356.2	4599.7	4820.7	4897.3	5055.2
10°	3458.8	3503.9	3567.0	3684.3	3837.6	4072.1	4351.7	4622.3	4937.9	4965.0	5258.1
12.5°	3260.4	3215.3	3314.5	3436.2	3697.8	3914.3	4257.0	4581.7	5010.1	5158.9	5497.1
15°	3098.0	3120.6	3215.3	3296.5	3512.9	3788.0	4189.3	4680.9	5131.8	5235.5	5749.6
17.5°	3030.4	3016.9	3089.0	3170.2	3436.2	3747.4	4162.3	4685.4	5240.1	5375.3	5921.0
20°	3062.0	3089.0	3066.5	3143.1	3310.0	3625.6	4202.9	4771.1	5321.2	5506.1	6105.9
22.5°	3558.0	3521.9	3341.5	3197.2	3206.3	3576.0	4171.3	4825.2	5393.4	5542.2	6232.1
25°	4852.2	4658.3	4211.9	3657.2	3291.9	3440.8	4135.2	4807.1	5379.8	5564.7	6308.8
27.5°	6155.5	5988.6	5551.2	4689.9	3639.2	3386.6	4009.0	4820.7	5312.2	5483.6	6182.5
30°	7530.9	7621.1	6971.7	5948.0	4550.1	3684.3	3927.8	4748.5	5267.1	5411.4	6209.6
32.5°	8942.4	8906.3	8514.0	7404.6	5853.3	4342.7	4058.6	4820.7	5325.7	5465.5	6367.4
35°	10047.2	9920.9	9524.1	8523.0	6931.1	5334.8	4509.5	5163.4	5582.8	5749.6	6592.9
37.5°	10592.8	10647.0	10417.0	9546.6	8112.6	6254.7	5073.2	5163.4	5663.9	5857.9	6958.2
40°	11016.7	11179.1	11093.4	10813.8	9285.1	7291.9	5695.5	5483.6	6074.3	6439.6	7643.6
42.5°	11526.3	11449.7	11954.7	11697.7	10818.3	8599.6	6786.8	6245.7	7043.9	7395.6	8671.8
45°	11796.9	12090.0	12473.3	12802.5	12238.8	10232.1	8211.8	7594.0	8527.5	8973.9	10200.5
47.5°	12491.4	12608.6	13230.9	13645.8	13393.3	12099.0	10376.4	9564.7	10394.4	11097.9	11950.2
50°	12897.2	12739.4	13609.7	14241.0	14385.3	13645.8	12315.5	11684.1	12613.1	13510.5	13587.2
52.5°	12541.0	12991.9	13862.2	14994.1	15395.5	15025.7	14592.8	14317.7	14971.6	15801.3	15431.6
55°	11291.8	11598.5	13717.9	15819.4	17113.6	16942.2	17343.6	17163.2	17821.6	18701.0	17587.1
57.5°	10286.2	10669.5	12531.9	16247.8	18714.5	19219.5	19724.6	19611.9	20405.5	21420.2	19413.5
60°	9659.4	9880.3	11675.1	16139.5	19661.5	21573.5	22714.4	21920.7	23215.0	23990.6	20843.0
62.5°	8572.6	8712.4	10426.0	14705.5	19945.6	23237.5	25172.1	24094.3	25217.2	26164.2	21871.1
65°	6872.5	7251.3	8667.3	12559.0	18069.6	23544.2	26705.3	25438.2	26525.0	27147.3	22182.3
66°	6254.7	6529.8	7828.5	11422.6	17000.9	23034.6	26448.3	25717.8	26714.4	27282.6	21704.3
67.5°	5190.4	5429.5	6462.1	9803.7	14813.8	21911.7	26628.7	25528.4	26858.7	26511.4	21063.9
70°	3436.2	3589.6	4419.3	6629.0	10317.8	17925.3	24698.6	24049.2	23611.8	22308.6	16468.7
72.5°	1605.4	1826.4	2759.8	4018.0	6051.8	12541.0	20139.5	19269.1	16558.9	14475.5	10389.9
75°	726.0	825.2	1515.2	2304.4	2714.7	6498.2	12991.9	11733.8	8243.4	6845.4	4550.1
77.5°	392.3	446.4	739.6	1095.8	987.6	2277.3	6430.6	5348.3	2597.5	1903.0	1321.3
80°	302.1	356.3	617.8	626.8	365.3	590.7	2390.0	1655.0	649.4	491.5	315.7
82.5°	157.8	225.5	487.0	405.9	184.9	239.0	739.6	460.0	202.9	162.3	135.3
85°	63.1	99.2	275.1	270.6	108.2	81.2	207.4	139.8	81.2	67.6	63.1
87.5°	4.5	4.5	148.8	103.7	67.6	22.5	31.6	31.6	40.6	36.1	45.1
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°	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1	4780.1
2.5°	4897.3	4951.4	4960.5	5109.3	5140.8	5109.3	5190.4	5176.9	5213.0	5185.9	5136.3
5°	5010.1	5086.7	5235.5	5348.3	5348.3	5258.1	5185.9	5091.2	4951.4	4915.4	4888.3
7.5°	5204.0	5447.5	5582.8	5510.6	5366.3	5028.1	4559.1	4216.4	3927.8	3819.6	3770.0
10°	5546.7	5682.0	5839.8	5546.7	4946.9	4229.9	3440.8	2922.2	2516.3	2426.1	2358.5
12.5°	5767.7	5984.1	6074.3	5348.3	4171.3	3102.5	2245.7	1659.5	1375.4	1158.9	1122.9
15°	6056.3	6304.3	6119.4	4811.7	3287.4	2033.8	1163.5	726.0	590.7	554.7	554.7
17.5°	6254.7	6525.3	5934.5	4144.2	2331.4	1082.3	577.2	500.6	491.5	496.0	487.0
20°	6601.9	6764.3	5654.9	3368.6	1393.4	554.7	464.5	446.4	437.4	451.0	441.9
22.5°	6732.7	6881.5	5199.5	2439.6	626.8	369.8	347.2	333.7	342.7	338.2	333.7
25°	6723.7	6800.3	4450.9	1397.9	184.9	144.3	130.8	130.8	121.8	126.3	121.8
27.5°	6791.3	6601.9	3612.1	414.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6827.4	6281.8	2570.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6845.4	6114.9	1655.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6985.2	5781.2	708.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7079.9	5352.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7472.3	5217.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7981.8	4965.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8689.8	4590.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9627.8	4369.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10326.8	4022.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11215.2	3815.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12270.4	3824.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	13230.9	3760.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13722.4	3215.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13618.7	2602.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	13258.0	2042.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	13009.9	1808.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	12256.9	1447.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	9754.1	992.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6205.1	608.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2859.0	279.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	897.4	171.4	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	234.5	108.2	36.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	121.8	76.7	31.6	13.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	76.7	31.6	13.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	67.6	18.0	9.0	9.0	4.5	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)