

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: P484257

Luminaire Tested: **IFLD-S-SA6C-722-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484257  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

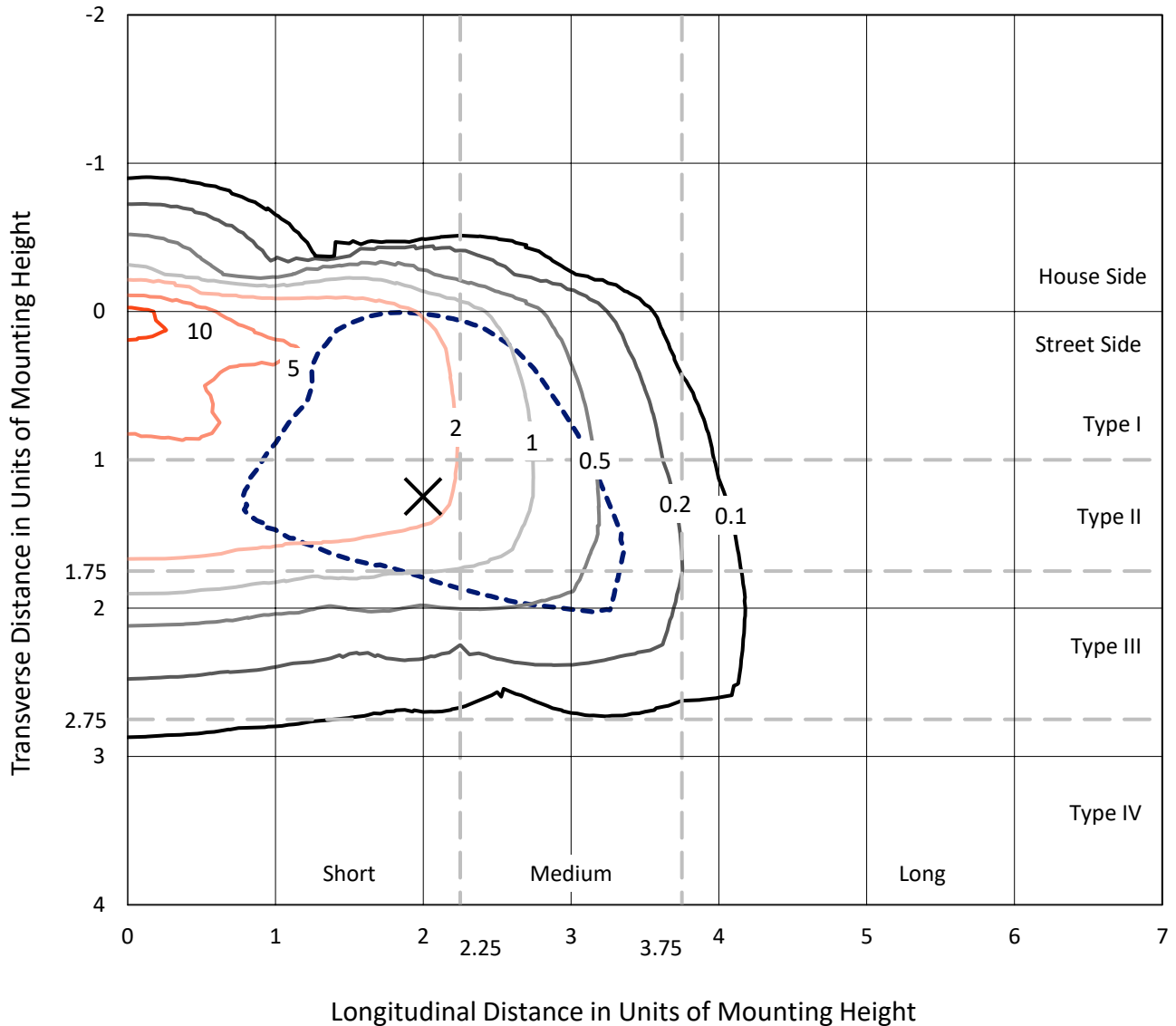
Lumens per Lamp: N/A  
Luminaire Lumens: 25596.6 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5  
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

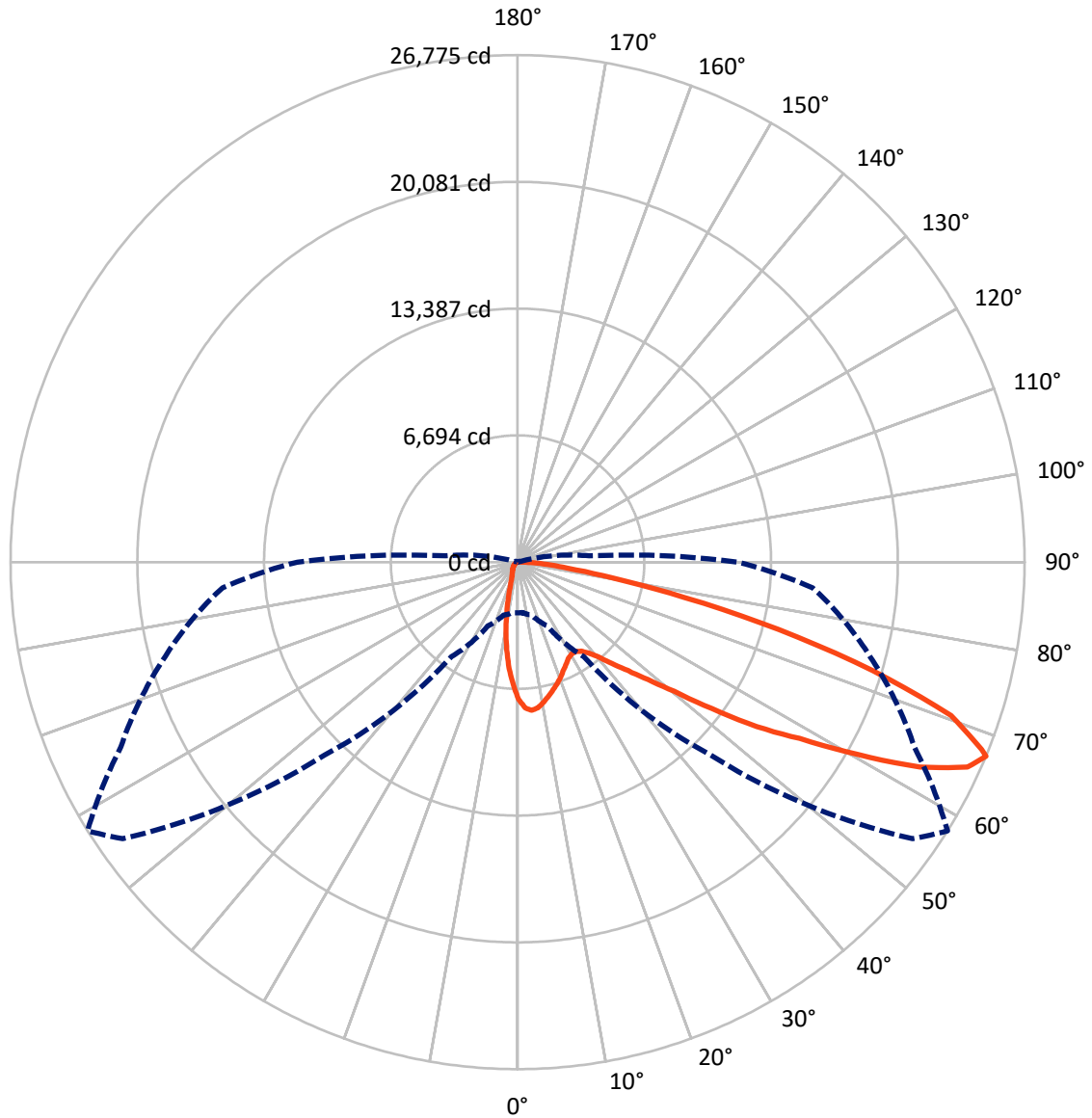
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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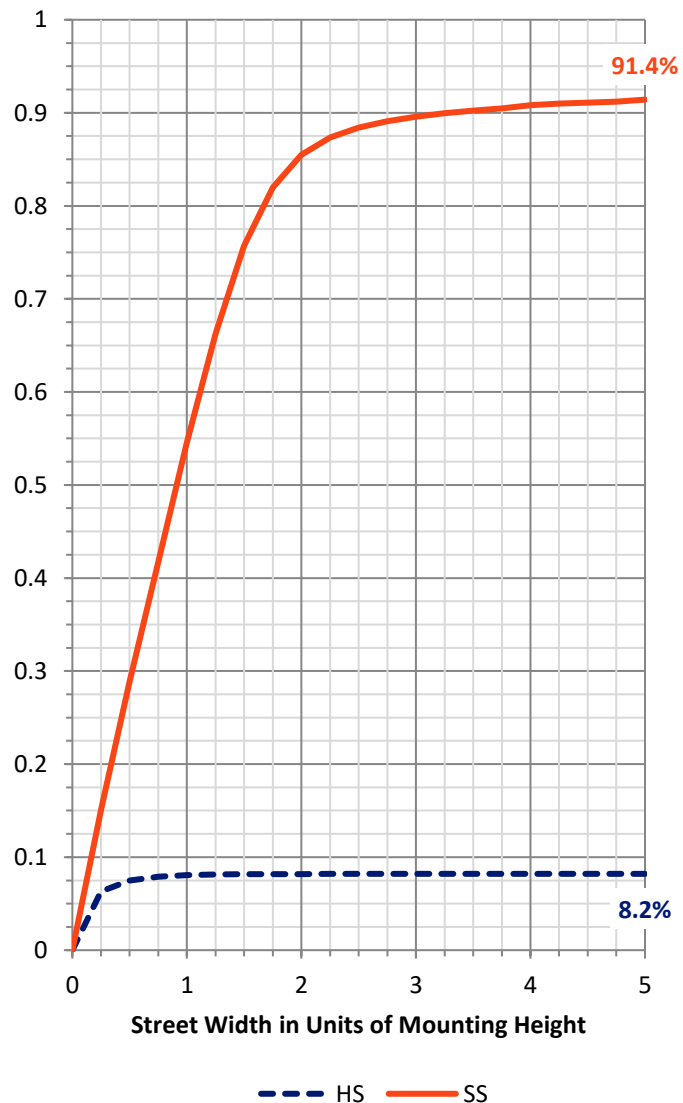
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2115.7	0.0	2115.7
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	23480.8	0.0	23480.8
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	25596.6	0.0	25596.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	575.4	2.2
10°-20°	1193.5	4.7
20°-30°	1583.5	6.2
30°-40°	2194.2	8.6
40°-50°	3580.3	14.0
50°-60°	6293.1	24.6
60°-70°	6970.1	27.2
70°-80°	2888.4	11.3
80°-90°	318.0	1.2
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°	25596.6	100.0
0°-180°	25596.6	100.0

**Coefficient of Utilization**



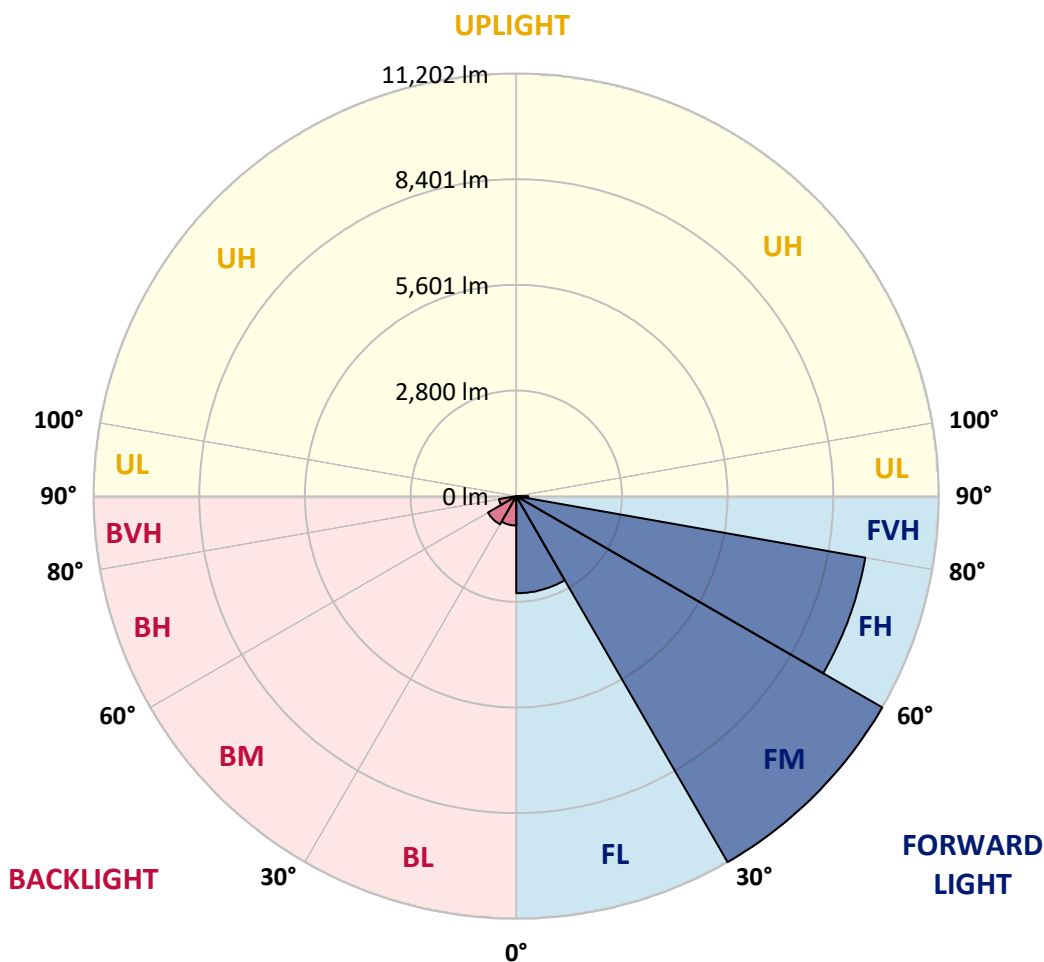
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2573.2	10.1			
FM (30°-60°)	11201.6	43.8			
FH (60°-80°)	9393.4	36.7			G4/12000
FVH (80°-90°)	312.7	1.2			G3/500
BL (0°-30°)	779.2	3.0	B2/1000		
BM (30°-60°)	866.1	3.4	B1/1000		
BH (60°-80°)	465.2	1.8	B1/500		G1/500
BVH (80°-90°)	5.2	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°	58°	65°	75°	85°
0°	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9
2.5°	7890.7	7917.9	7941.7	7897.5	7934.9	7880.5	7741.2	7710.6	7686.8	7479.5	7360.6
5°	7887.3	7856.7	7880.5	7900.9	7849.9	7890.7	7856.7	7860.1	7768.4	7581.5	7248.5
7.5°	7360.6	7347.0	7360.6	7459.1	7571.3	7659.6	7710.6	7761.6	7700.4	7421.8	7098.9
10°	6650.4	6718.3	6755.7	6932.4	7105.7	7268.8	7428.6	7523.7	7506.7	7394.6	6935.8
12.5°	6154.2	6133.8	6269.8	6385.3	6558.6	6888.2	7166.9	7255.2	7357.2	7200.9	6721.7
15°	5695.5	5641.1	5722.6	5923.1	6218.8	6480.4	6871.2	7003.8	7132.9	7173.7	6606.2
17.5°	5257.1	5284.3	5369.2	5549.3	5828.0	6195.0	6562.0	6752.3	7061.5	7007.2	6432.9
20°	5046.4	5104.2	5134.7	5226.5	5420.2	5787.2	6334.3	6487.2	6816.9	7003.8	6263.0
22.5°	5056.6	5056.6	4985.2	5039.6	5216.3	5501.8	6025.1	6195.0	6718.3	6827.1	6110.0
25°	5165.3	5097.4	5100.8	5036.2	5111.0	5267.3	5746.4	5953.7	6517.8	6844.1	6028.5
27.5°	5246.9	5233.3	5212.9	5195.9	5100.8	5124.6	5562.9	5732.8	6439.7	6823.7	5902.7
30°	5542.5	5481.4	5461.0	5423.6	5297.9	5182.3	5416.8	5630.9	6378.5	6871.2	5831.4
32.5°	5790.6	5800.8	5817.8	5709.0	5600.3	5314.9	5457.6	5627.5	6334.3	6980.0	5902.7
35°	6103.2	6147.4	6154.2	6120.2	6004.7	5722.6	5627.5	5773.6	6409.1	7173.7	5909.5
37.5°	6579.0	6531.4	6660.6	6674.1	6592.6	6218.8	6021.7	6079.5	6630.0	7482.9	6167.8
40°	6888.2	6946.0	7187.3	7336.8	7197.5	6857.7	6592.6	6582.4	6949.4	7968.9	6487.2
42.5°	7231.5	7360.6	7625.7	7948.5	7931.5	7615.5	7347.0	7302.8	7516.9	8672.3	6993.6
45°	7700.4	7816.0	8186.4	8672.3	8937.4	8668.9	8264.5	8176.2	8206.8	9630.6	7856.7
47.5°	8478.6	8448.0	8981.6	9460.7	9895.7	9688.4	9515.1	9256.8	9233.0	10758.8	9049.5
50°	9358.8	9352.0	9827.7	10371.4	10874.4	11278.8	10989.9	10707.9	10714.7	12291.4	10453.0
52.5°	10194.7	10327.3	10840.4	11380.7	12243.9	12678.8	12957.5	12845.4	12305.0	13660.9	11955.0
55°	10636.5	10752.0	11261.8	12192.9	13555.6	14673.6	15428.0	15332.9	14289.6	15203.7	13436.7
57.5°	10218.5	10296.7	10986.5	12206.5	14473.1	16967.4	17691.3	17572.3	16342.2	16382.9	15227.5
60°	8468.4	8590.8	9617.0	11047.7	14116.3	18734.5	20807.4	20627.3	18211.2	17874.8	16379.5
62.5°	5865.4	5946.9	6789.7	8570.4	12424.0	19349.6	23750.3	23848.9	20182.2	19037.0	16722.8
65°	3799.2	3792.4	4275.0	5481.4	8804.8	17487.4	25490.2	26101.9	22085.2	19213.7	16617.4
67°	2684.6	2674.4	2902.1	3717.7	6096.4	14408.6	25459.6	26774.8	23118.2	19264.6	15642.1
67.5°	2477.3	2467.1	2684.6	3418.6	5501.8	13399.3	25079.0	26428.1	23481.9	19193.3	15213.9
70°	1923.4	1896.2	1977.8	2355.0	3204.5	8665.5	21463.3	24277.0	22727.4	17412.6	12148.7
72.5°	1389.9	1420.5	1549.6	1933.6	2514.7	4662.4	16359.1	19631.7	18982.6	13124.0	7720.8
75°	968.5	995.7	1203.0	1576.8	2307.4	2827.3	11061.3	14238.6	13222.6	7245.1	3289.5
77.5°	506.3	540.3	768.0	1260.7	2096.7	2188.5	6609.6	9029.1	7007.2	2579.3	907.3
80°	234.5	251.5	384.0	893.7	1753.5	1923.4	3853.6	5022.6	2803.6	577.7	312.6
82.5°	101.9	112.1	176.7	513.1	1243.8	1682.1	2385.6	2633.6	1016.1	186.9	193.7
85°	20.4	23.8	68.0	271.9	601.5	1019.5	1675.3	1563.2	509.7	91.8	152.9
87.5°	0.0	0.0	17.0	78.2	163.1	302.4	710.2	710.2	156.3	47.6	57.8
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°	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9	7251.9
2.5°	7255.2	7132.9	6864.5	6616.4	6439.7	6239.2	5974.1	5855.2	5811.0	5749.8	5658.1
5°	7064.9	6915.4	6456.7	5994.5	5488.2	5104.2	4696.4	4458.5	4278.4	4166.2	4128.9
7.5°	6796.5	6490.6	5872.2	5131.3	4475.5	3904.6	3286.1	2868.1	2599.7	2490.9	2389.0
10°	6582.4	6184.8	5243.5	4322.6	3449.2	2613.2	1916.6	1549.6	1270.9	1165.6	1152.0
12.5°	6303.7	5828.0	4655.6	3496.8	2399.2	1556.4	1060.3	920.9	842.8	829.2	819.0
15°	6072.7	5505.2	4098.3	2708.4	1553.0	971.9	825.8	791.8	771.4	764.6	768.0
17.5°	5916.3	5158.5	3527.4	1971.0	1022.9	795.2	761.2	740.8	730.6	727.2	717.0
20°	5607.1	4866.3	2963.3	1379.7	798.6	734.0	706.8	689.8	679.6	676.3	672.9
22.5°	5430.4	4495.9	2399.2	961.7	710.2	666.1	645.7	632.1	615.1	604.9	601.5
25°	5253.7	4224.0	1896.2	747.6	645.7	615.1	584.5	567.5	540.3	526.7	523.3
27.5°	5046.4	3955.6	1461.2	649.1	581.1	550.5	519.9	492.7	458.8	445.2	438.4
30°	4927.5	3693.9	1101.0	581.1	533.5	492.7	455.4	421.4	384.0	360.2	353.4
32.5°	4866.3	3456.0	825.8	530.1	482.6	438.4	390.8	350.0	316.0	295.6	292.2
35°	4791.5	3224.9	649.1	482.6	435.0	387.4	339.8	299.0	265.1	248.1	241.3
37.5°	4869.7	3089.0	540.3	445.2	397.6	343.2	292.2	251.5	224.3	207.3	203.9
40°	5083.8	2976.9	469.0	411.2	360.2	302.4	254.9	214.1	190.3	176.7	169.9
42.5°	5413.4	2976.9	424.8	377.2	326.2	265.1	217.5	186.9	163.1	149.5	146.1
45°	6011.5	3068.6	387.4	343.2	285.5	227.7	186.9	156.3	132.5	118.9	115.5
47.5°	6850.9	3279.3	356.8	312.6	254.9	200.5	163.1	132.5	108.7	95.2	91.8
50°	7979.1	3758.5	326.2	275.3	227.7	173.3	135.9	105.3	85.0	71.4	68.0
52.5°	9385.9	4438.1	295.6	254.9	193.7	146.1	108.7	85.0	64.6	54.4	51.0
55°	10874.4	5270.7	258.3	227.7	166.5	122.3	88.4	64.6	47.6	40.8	37.4
57.5°	12373.0	5912.9	227.7	197.1	135.9	98.5	71.4	51.0	34.0	27.2	23.8
60°	13168.2	5974.1	197.1	163.1	108.7	78.2	54.4	37.4	23.8	17.0	13.6
62.5°	13290.5	5430.4	169.9	132.5	88.4	61.2	37.4	27.2	13.6	6.8	6.8
65°	12661.9	4526.5	146.1	105.3	68.0	44.2	27.2	17.0	6.8	3.4	0.0
67°	11642.4	3792.4	125.7	88.4	54.4	34.0	20.4	10.2	3.4	0.0	0.0
67.5°	11248.2	3588.5	118.9	81.6	51.0	30.6	17.0	10.2	3.4	0.0	0.0
70°	8730.1	2562.3	88.4	57.8	37.4	23.8	13.6	6.8	0.0	0.0	0.0
72.5°	5348.8	1498.6	68.0	40.8	27.2	17.0	10.2	3.4	0.0	0.0	0.0
75°	2242.8	516.5	57.8	30.6	20.4	10.2	6.8	3.4	0.0	0.0	0.0
77.5°	584.5	193.7	40.8	20.4	13.6	10.2	6.8	3.4	0.0	0.0	0.0
80°	237.9	88.4	27.2	13.6	13.6	10.2	6.8	3.4	0.0	0.0	0.0
82.5°	156.3	40.8	17.0	13.6	10.2	6.8	3.4	0.0	0.0	0.0	0.0
85°	118.9	23.8	10.2	10.2	6.8	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	51.0	13.6	10.2	6.8	6.8	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)