

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: P484648

Luminaire Tested: **IFLD-S-SA6D-722-U-SL4-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484648
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

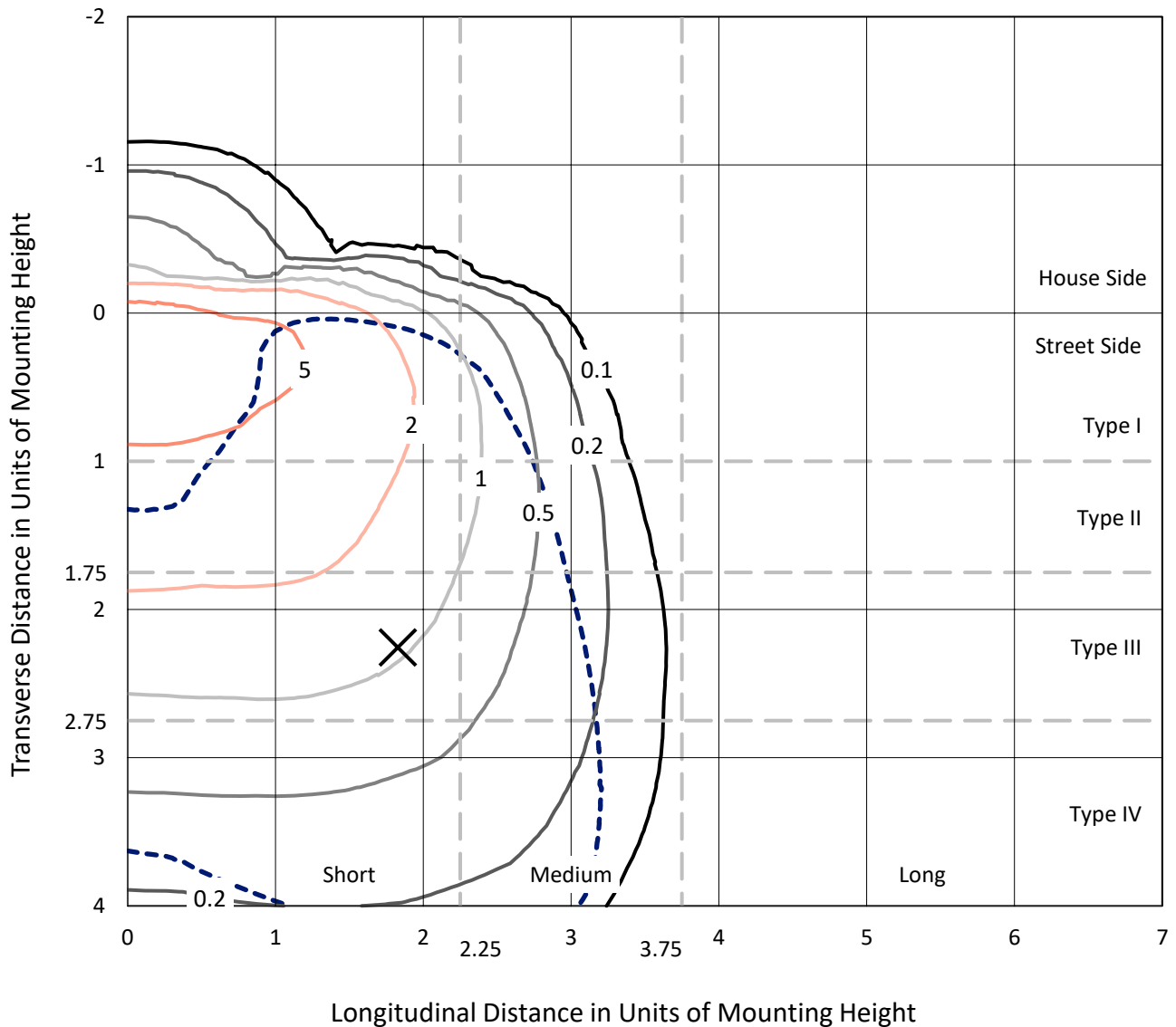
Lumens per Lamp: N/A
Luminaire Lumens: 27822.5 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

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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Iso-Footcandle Lines of Horizontal Illumination

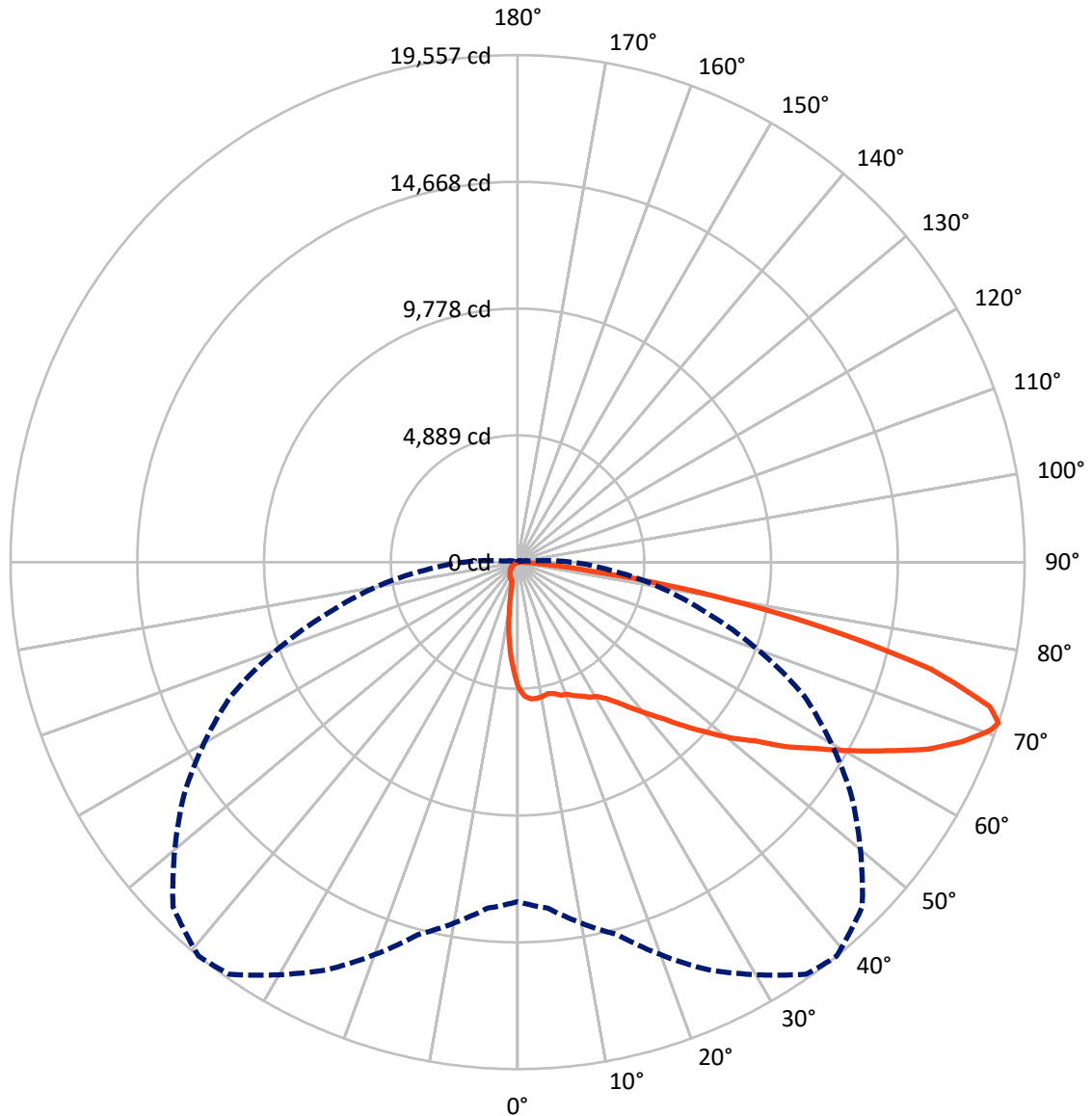
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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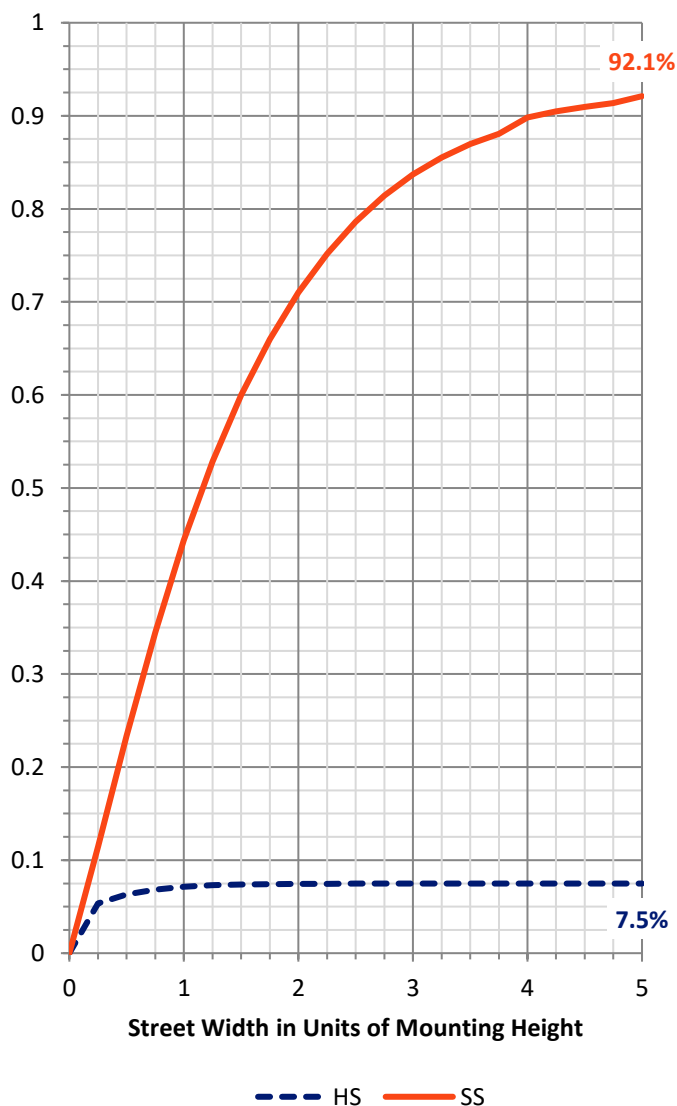
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2094.6	0.0	2094.6
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	25728.0	0.0	25728.0
	% Fixture	92.5	0.0	92.5
Total	Lumens	27822.5	0.0	27822.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.9	1.5
10°-20°	996.6	3.6
20°-30°	1599.8	5.8
30°-40°	2448.9	8.8
40°-50°	3930.9	14.1
50°-60°	5773.9	20.8
60°-70°	7272.0	26.1
70°-80°	4853.2	17.4
80°-90°	542.4	1.9
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°	27822.5	100.0
0°-180°	27822.5	100.0

Coefficient of Utilization



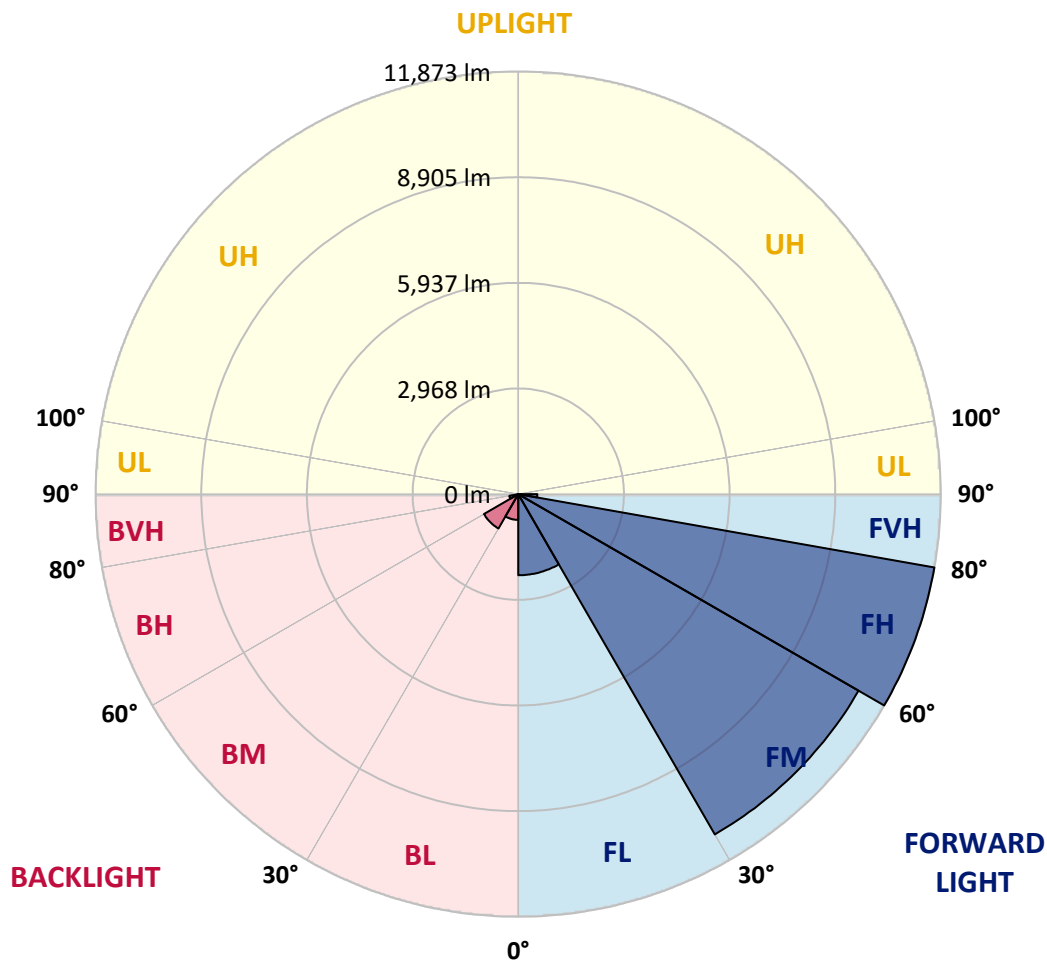
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2278.1	8.2			
FM (30°-60°)	11040.4	39.7			
FH (60°-80°)	11873.1	42.7			G4/12000
FVH (80°-90°)	536.4	1.9			G4/750
BL (0°-30°)	723.2	2.6	B2/1000		
BM (30°-60°)	1113.4	4.0	B2/2500		
BH (60°-80°)	252.1	0.9	B1/500		G1/500
BVH (80°-90°)	6.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7
2.5°	5218.6	5269.7	5218.6	5196.7	5174.8	5178.4	5120.0	5131.0	5061.7	4970.4	4897.4
5°	5382.8	5452.1	5397.4	5371.9	5368.2	5298.9	5269.7	5200.3	5116.4	4974.1	4886.5
7.5°	5368.2	5353.6	5379.2	5357.3	5309.8	5309.8	5277.0	5178.4	5094.5	4933.9	4784.3
10°	5258.7	5302.5	5280.6	5255.1	5266.0	5269.7	5207.6	5138.3	5112.7	4952.2	4707.7
12.5°	5247.8	5174.8	5255.1	5258.7	5211.3	5207.6	5200.3	5182.1	5101.8	4955.8	4725.9
15°	5211.3	5182.1	5262.4	5266.0	5277.0	5266.0	5277.0	5262.4	5182.1	5098.2	4806.2
17.5°	5240.5	5207.6	5320.8	5375.5	5350.0	5401.0	5382.8	5317.1	5247.8	5149.2	4882.8
20°	5247.8	5295.2	5419.3	5441.2	5521.5	5437.5	5433.9	5364.6	5320.8	5214.9	4930.3
22.5°	5382.8	5404.7	5558.0	5605.4	5609.1	5598.1	5506.9	5426.6	5408.3	5277.0	4941.2
25°	5587.2	5663.8	5733.1	5762.3	5773.3	5722.2	5627.3	5525.1	5481.3	5397.4	5054.4
27.5°	5948.5	5901.0	5963.0	6006.8	5882.8	5901.0	5780.6	5693.0	5631.0	5558.0	5185.7
30°	6269.6	6225.8	6229.5	6222.2	6116.3	6017.8	5984.9	5831.7	5755.0	5784.2	5390.1
32.5°	6557.9	6463.0	6543.3	6506.8	6309.7	6280.5	6255.0	6061.6	6076.2	6211.2	5696.6
35°	6824.3	6791.5	6857.1	6791.5	6660.1	6652.8	6627.2	6459.4	6539.6	6733.1	6222.2
37.5°	7068.8	7079.8	7160.0	7127.2	7138.1	7145.4	7130.8	6952.0	7181.9	7616.2	6835.2
40°	7295.1	7280.5	7477.5	7579.7	7601.6	7681.9	7681.9	7638.1	7992.1	8481.1	7685.5
42.5°	7535.9	7572.4	7827.9	7999.4	8207.4	8276.7	8371.6	8393.5	8940.9	9499.3	8554.1
45°	7930.1	7868.0	8192.8	8597.9	8780.4	9024.9	9170.8	9294.9	9955.4	10721.8	9422.6
47.5°	8430.0	8305.9	8590.6	9178.1	9601.5	9802.2	10064.9	10229.1	10875.1	11667.0	10243.7
50°	8984.7	8857.0	8995.7	9805.8	10298.5	10663.4	10999.2	11207.2	11988.1	12725.3	10842.2
52.5°	9612.4	9495.6	9517.5	10459.1	11185.3	11451.7	11893.3	12203.4	12980.8	13363.9	11053.9
55°	10280.2	10251.0	10181.7	11097.7	11962.6	12561.1	12827.5	13199.7	13998.9	13710.6	11283.8
57.5°	10951.7	10860.5	10959.0	11944.3	13210.7	13568.3	13936.9	14159.5	14564.6	14013.5	11196.2
60°	11583.1	11590.4	11729.0	12864.0	14272.6	14779.9	15112.0	14977.0	15144.8	14144.9	10995.5
62.5°	12115.9	12101.3	12451.6	13896.7	15677.6	16020.7	16268.8	15666.7	15414.9	14272.6	10645.2
65°	12593.9	12758.1	13309.2	15126.6	16998.7	17392.8	17243.2	16319.9	15677.6	13896.7	9659.8
67.5°	12955.2	13199.7	14155.9	16283.4	18210.3	18487.6	18279.6	16816.2	15367.4	12422.4	7868.0
70°	13166.9	13415.0	14761.6	17246.9	19177.4	19378.1	18889.1	16433.1	13557.4	8995.7	4908.4
71°	13101.2	13404.1	14878.4	17349.0	19407.3	19556.9	18797.8	15725.1	12192.5	7532.3	3580.0
72.5°	12506.3	12791.0	14393.1	17276.1	19129.9	19038.7	18086.2	14024.5	9597.8	4802.6	1850.2
75°	9189.1	9495.6	12353.1	14944.1	17075.3	16447.6	14637.6	9842.3	5006.9	1470.7	540.1
77.5°	4576.3	4627.4	7667.3	10849.5	12524.6	11900.5	9809.5	5488.6	1872.1	434.3	270.1
80°	2109.3	2123.9	2875.7	5620.0	7572.4	7127.2	5495.9	2707.8	846.7	229.9	211.7
82.5°	1437.8	1459.7	1733.4	2328.3	3288.1	2773.5	2226.1	1733.4	485.4	138.7	208.0
85°	262.8	240.9	970.7	1233.5	1270.0	861.2	770.0	1499.9	182.5	80.3	182.5
87.5°	0.0	3.6	135.0	503.6	452.5	200.7	262.8	364.9	18.2	25.5	32.8
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°	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7	4842.7
2.5°	4835.4	4795.3	4660.2	4510.6	4375.6	4269.7	4134.7	4072.7	3974.1	3919.4	3915.8
5°	4766.1	4656.6	4423.0	4171.2	3890.2	3656.7	3397.6	3251.6	3083.7	3032.6	3021.7
7.5°	4649.3	4492.4	4149.3	3795.3	3364.7	2952.3	2634.8	2295.4	2087.4	1999.8	1967.0
10°	4576.3	4386.5	3919.4	3390.3	2788.1	2207.9	1762.6	1401.4	1211.6	1120.4	1098.5
12.5°	4576.3	4371.9	3733.3	3003.4	2204.2	1510.8	1091.2	883.1	821.1	799.2	799.2
15°	4565.3	4342.7	3554.5	2605.6	1631.3	1014.5	813.8	770.0	762.7	759.1	755.4
17.5°	4620.1	4291.6	3372.0	2178.7	1153.2	799.2	748.1	740.8	733.5	733.5	726.2
20°	4660.2	4262.4	3153.0	1726.1	861.2	740.8	718.9	708.0	704.3	700.7	708.0
22.5°	4627.4	4218.7	2883.0	1291.9	751.8	704.3	689.7	678.8	671.5	671.5	675.1
25°	4689.4	4178.5	2612.9	974.4	704.3	671.5	656.9	649.6	645.9	642.3	635.0
27.5°	4773.4	4196.8	2291.8	784.6	664.2	638.6	624.0	616.7	613.1	605.8	613.1
30°	4875.5	4193.1	1937.8	686.1	627.7	602.1	587.5	583.9	576.6	572.9	576.6
32.5°	5050.7	4288.0	1572.9	635.0	587.5	565.7	551.1	547.4	543.8	540.1	536.5
35°	5426.6	4404.8	1229.8	594.8	551.1	525.5	514.6	507.3	503.6	500.0	496.3
37.5°	5890.1	4663.9	937.9	558.4	514.6	489.0	478.1	474.4	459.8	456.2	452.5
40°	6470.3	4941.2	722.6	518.2	481.7	456.2	445.2	434.3	416.0	408.7	401.4
42.5°	7192.9	5211.3	594.8	481.7	445.2	427.0	408.7	390.5	375.9	361.3	354.0
45°	7915.5	5525.1	521.9	448.9	416.0	394.1	379.5	354.0	328.4	306.5	302.9
47.5°	8517.6	5638.3	478.1	412.4	386.8	368.6	346.7	313.8	277.4	255.5	251.8
50°	8966.5	5572.6	434.3	375.9	354.0	335.7	306.5	266.4	229.9	208.0	200.7
52.5°	9054.1	5284.3	394.1	346.7	321.1	299.2	266.4	222.6	182.5	160.6	156.9
55°	8992.0	4806.2	361.3	321.1	291.9	259.1	222.6	178.8	142.3	120.4	116.8
57.5°	8864.3	4240.6	324.8	288.3	255.5	222.6	182.5	146.0	105.8	83.9	83.9
60°	8430.0	3470.5	288.3	251.8	219.0	189.8	149.6	105.8	73.0	54.7	51.1
62.5°	7824.2	2667.7	251.8	215.3	189.8	156.9	116.8	76.6	43.8	29.2	29.2
65°	6718.5	1868.5	211.7	178.8	156.9	127.7	87.6	47.4	25.5	10.9	10.9
67.5°	5105.4	1156.8	175.2	149.6	135.0	102.2	62.0	29.2	10.9	3.6	0.0
70°	2930.4	602.1	138.7	120.4	105.8	76.6	43.8	14.6	7.3	0.0	0.0
71°	2047.3	445.2	124.1	105.8	94.9	69.3	36.5	10.9	3.6	0.0	0.0
72.5°	1025.5	295.6	105.8	87.6	76.6	54.7	29.2	10.9	3.6	0.0	0.0
75°	364.9	189.8	73.0	58.4	54.7	40.1	18.2	7.3	3.6	0.0	0.0
77.5°	251.8	153.3	51.1	36.5	36.5	25.5	10.9	3.6	3.6	0.0	0.0
80°	229.9	83.9	32.8	21.9	18.2	14.6	7.3	3.6	0.0	0.0	0.0
82.5°	229.9	62.0	18.2	14.6	10.9	7.3	3.6	0.0	0.0	0.0	0.0
85°	160.6	32.8	10.9	10.9	7.3	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	25.5	10.9	7.3	3.6	3.6	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)