

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: P484266

Luminaire Tested: **IFLD-L-SA7B-722-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484266  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

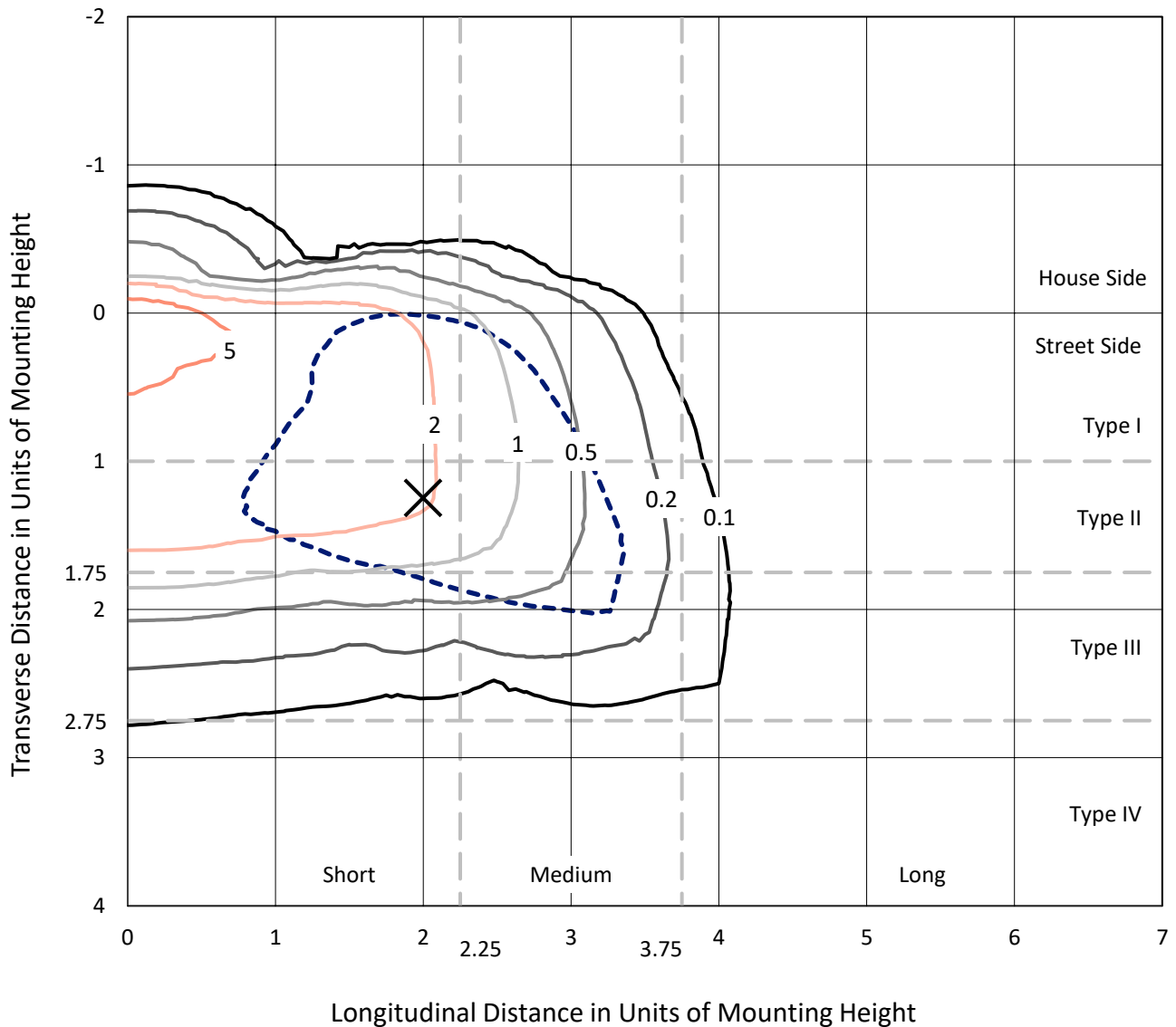
Lumens per Lamp: N/A  
Luminaire Lumens: 21937.5 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 281  
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

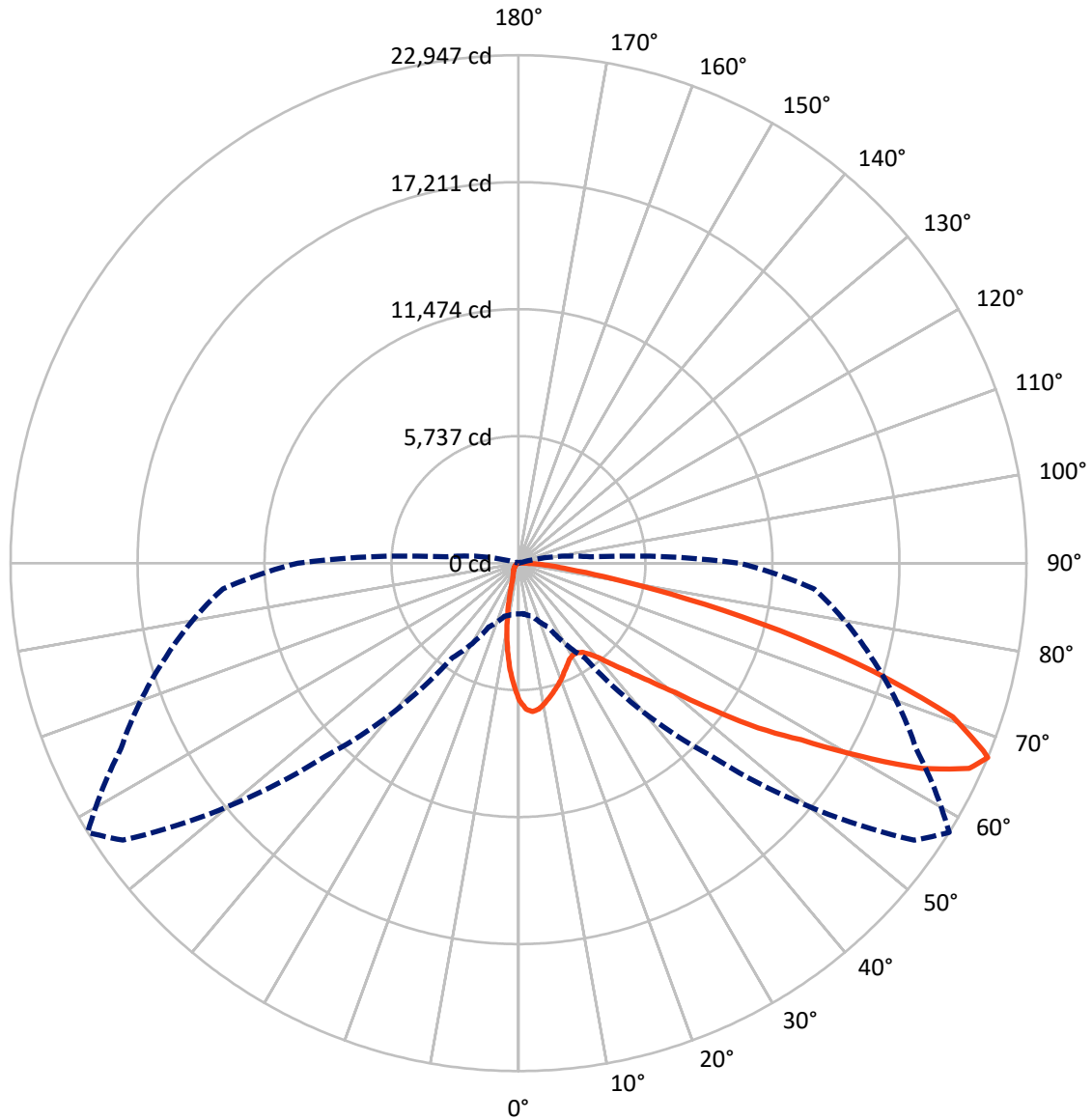
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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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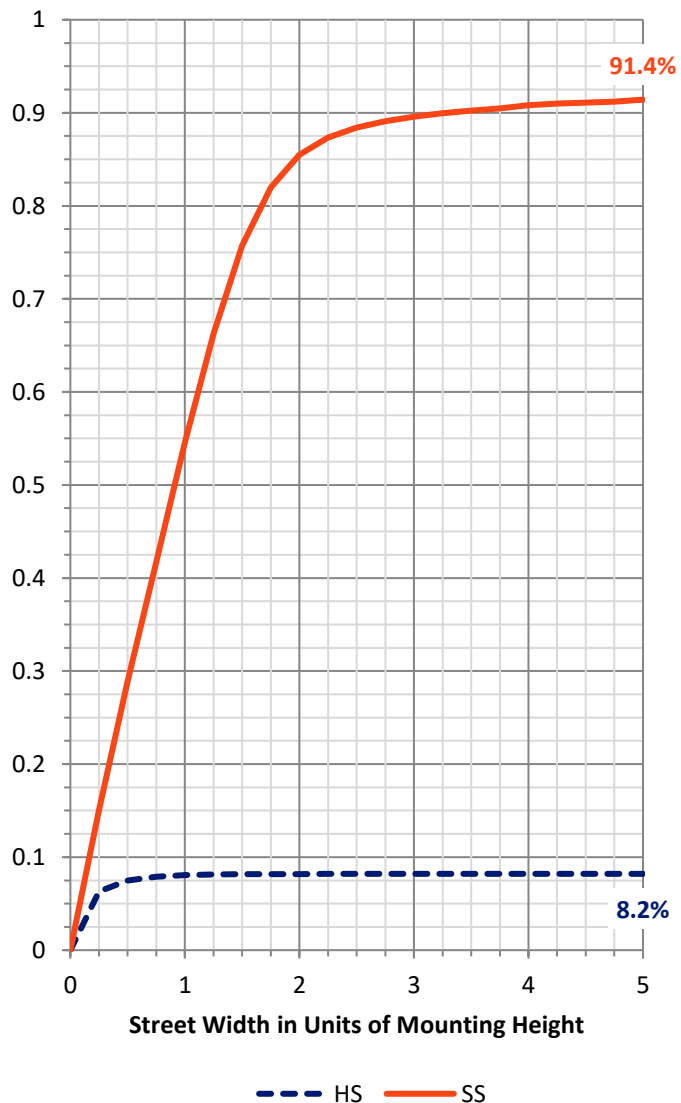
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1813.3	0.0	1813.3
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	20124.3	0.0	20124.3
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	21937.5	0.0	21937.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.2	2.2
10°-20°	1022.9	4.7
20°-30°	1357.1	6.2
30°-40°	1880.6	8.6
40°-50°	3068.5	14.0
50°-60°	5393.5	24.6
60°-70°	5973.7	27.2
70°-80°	2475.5	11.3
80°-90°	272.5	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°	21937.5	100.0
0°-180°	21937.5	100.0

**Coefficient of Utilization**



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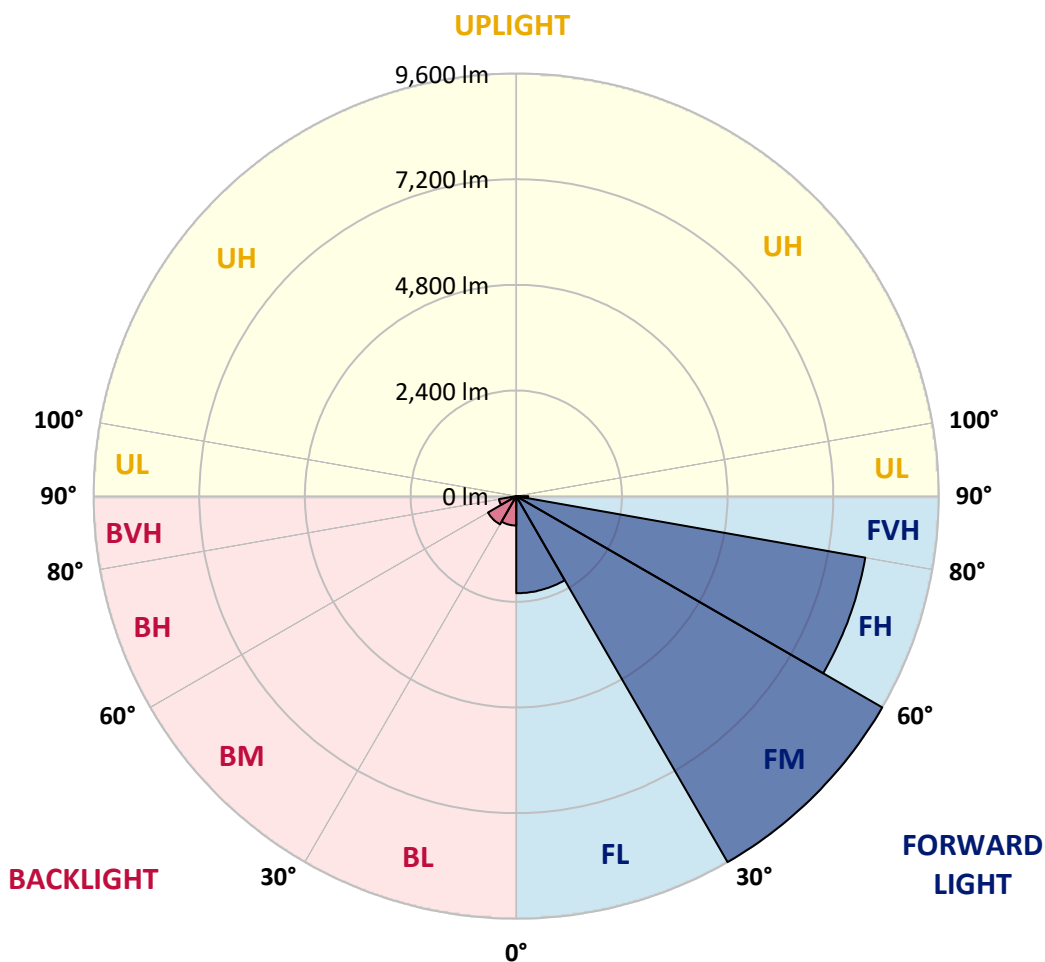
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2205.3	10.1			
FM (30°-60°)	9600.3	43.8			
FH (60°-80°)	8050.6	36.7			G4/12000
FVH (80°-90°)	268.0	1.2			G3/500
BL (0°-30°)	667.8	3.0	B2/1000		
BM (30°-60°)	742.3	3.4	B1/1000		
BH (60°-80°)	398.7	1.8	B1/500		G1/500
BVH (80°-90°)	4.5	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°	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2
2.5°	6762.8	6786.1	6806.4	6768.6	6800.6	6754.0	6634.6	6608.4	6588.0	6410.4	6308.4
5°	6759.8	6733.6	6754.0	6771.5	6727.8	6762.8	6733.6	6736.5	6657.9	6497.7	6212.3
7.5°	6308.4	6296.8	6308.4	6392.9	6489.0	6564.7	6608.4	6652.1	6599.7	6360.8	6084.2
10°	5699.7	5758.0	5790.0	5941.4	6090.0	6229.8	6366.7	6448.2	6433.7	6337.5	5944.4
12.5°	5274.5	5257.0	5373.5	5472.5	5621.1	5903.6	6142.4	6218.1	6305.5	6171.5	5760.9
15°	4881.3	4834.7	4904.6	5076.4	5329.8	5554.1	5889.0	6002.6	6113.3	6148.2	5661.8
17.5°	4505.6	4528.9	4601.7	4756.1	4994.9	5309.4	5624.0	5787.1	6052.1	6005.5	5513.3
20°	4325.0	4374.5	4400.7	4479.4	4645.4	4959.9	5428.8	5559.9	5842.4	6002.6	5367.7
22.5°	4333.8	4333.8	4272.6	4319.2	4470.6	4715.3	5163.8	5309.4	5758.0	5851.2	5236.6
25°	4427.0	4368.7	4371.6	4316.3	4380.4	4514.3	4925.0	5102.7	5586.1	5865.7	5166.7
27.5°	4496.9	4485.2	4467.7	4453.2	4371.6	4392.0	4767.7	4913.3	5519.1	5848.2	5059.0
30°	4750.2	4697.8	4680.3	4648.3	4540.5	4441.5	4642.5	4826.0	5466.7	5889.0	4997.8
32.5°	4962.9	4971.6	4986.2	4893.0	4799.8	4555.1	4677.4	4823.1	5428.8	5982.2	5059.0
35°	5230.8	5268.7	5274.5	5245.4	5146.3	4904.6	4823.1	4948.3	5492.9	6148.2	5064.8
37.5°	5638.5	5597.8	5708.4	5720.1	5650.2	5329.8	5160.9	5210.4	5682.2	6413.3	5286.1
40°	5903.6	5953.1	6159.9	6288.0	6168.6	5877.4	5650.2	5641.5	5956.0	6829.7	5559.9
42.5°	6197.7	6308.4	6535.6	6812.3	6797.7	6526.8	6296.8	6258.9	6442.4	7432.6	5993.9
45°	6599.7	6698.7	7016.1	7432.6	7659.8	7429.7	7083.1	7007.4	7033.6	8253.9	6733.6
47.5°	7266.6	7240.4	7697.7	8108.3	8481.1	8303.5	8154.9	7933.6	7913.2	9220.9	7755.9
50°	8020.9	8015.1	8422.9	8888.9	9319.9	9666.5	9418.9	9177.2	9183.0	10534.4	8958.8
52.5°	8737.4	8851.0	9290.8	9753.9	10493.6	10866.4	11105.3	11009.1	10546.1	11708.1	10246.1
55°	9116.0	9215.1	9651.9	10449.9	11617.9	12576.1	13222.6	13141.1	12246.9	13030.4	11515.9
57.5°	8757.8	8824.8	9416.0	10461.6	12404.2	14542.0	15162.3	15060.4	14006.1	14041.0	13050.8
60°	7257.9	7362.7	8242.3	9468.4	12098.4	16056.5	17833.1	17678.7	15607.9	15319.6	14038.1
62.5°	5026.9	5096.8	5819.1	7345.3	10648.0	16583.6	20355.3	20439.7	17297.2	16315.7	14332.3
65°	3256.1	3250.3	3663.9	4697.8	7546.2	14987.6	21846.5	22370.7	18928.2	16467.1	14242.0
67°	2300.9	2292.1	2487.3	3186.2	5225.0	12348.9	21820.2	22947.4	19813.5	16510.8	13406.1
67.5°	2123.2	2114.5	2300.9	2929.9	4715.3	11483.9	21494.0	22650.3	20125.2	16449.6	13039.1
70°	1648.5	1625.2	1695.1	2018.3	2746.5	7426.8	18395.2	20806.7	19478.6	14923.5	10412.1
72.5°	1191.2	1217.4	1328.1	1657.2	2155.2	3995.9	14020.6	16825.4	16269.1	11248.0	6617.1
75°	830.1	853.4	1031.0	1351.4	1977.6	2423.2	9480.1	12203.3	11332.4	6209.4	2819.3
77.5°	434.0	463.1	658.2	1080.5	1797.0	1875.6	5664.8	7738.4	6005.5	2210.6	777.6
80°	201.0	215.5	329.1	766.0	1502.8	1648.5	3302.7	4304.6	2402.8	495.1	267.9
82.5°	87.4	96.1	151.4	439.8	1066.0	1441.7	2044.6	2257.2	870.8	160.2	166.0
85°	17.5	20.4	58.2	233.0	515.5	873.7	1435.8	1339.7	436.9	78.6	131.1
87.5°	0.0	0.0	14.6	67.0	139.8	259.2	608.7	608.7	134.0	40.8	49.5
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°	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2	6215.2
2.5°	6218.1	6113.3	5883.2	5670.6	5519.1	5347.3	5120.1	5018.2	4980.3	4927.9	4849.3
5°	6055.0	5926.9	5533.7	5137.6	4703.6	4374.5	4025.0	3821.2	3666.8	3570.7	3538.7
7.5°	5824.9	5562.8	5032.8	4397.8	3835.7	3346.4	2816.4	2458.1	2228.0	2134.8	2047.5
10°	5641.5	5300.7	4493.9	3704.7	2956.2	2239.7	1642.6	1328.1	1089.3	999.0	987.3
12.5°	5402.6	4994.9	3990.1	2996.9	2056.2	1333.9	908.7	789.3	722.3	710.6	701.9
15°	5204.6	4718.2	3512.4	2321.2	1331.0	833.0	707.7	678.6	661.1	655.3	658.2
17.5°	5070.6	4421.1	3023.1	1689.2	876.7	681.5	652.4	634.9	626.2	623.3	614.5
20°	4805.6	4170.7	2539.7	1182.5	684.4	629.1	605.8	591.2	582.5	579.6	576.7
22.5°	4654.1	3853.2	2056.2	824.2	608.7	570.8	553.4	541.7	527.2	518.4	515.5
25°	4502.7	3620.2	1625.2	640.7	553.4	527.2	500.9	486.4	463.1	451.4	448.5
27.5°	4325.0	3390.1	1252.4	556.3	498.0	471.8	445.6	422.3	393.2	381.5	375.7
30°	4223.1	3165.9	943.6	498.0	457.3	422.3	390.3	361.1	329.1	308.7	302.9
32.5°	4170.7	2962.0	707.7	454.3	413.6	375.7	334.9	300.0	270.9	253.4	250.5
35°	4106.6	2763.9	556.3	413.6	372.8	332.0	291.2	256.3	227.2	212.6	206.8
37.5°	4173.6	2647.4	463.1	381.5	340.8	294.2	250.5	215.5	192.2	177.7	174.7
40°	4357.1	2551.3	401.9	352.4	308.7	259.2	218.4	183.5	163.1	151.4	145.6
42.5°	4639.6	2551.3	364.1	323.3	279.6	227.2	186.4	160.2	139.8	128.1	125.2
45°	5152.2	2630.0	332.0	294.2	244.6	195.1	160.2	134.0	113.6	101.9	99.0
47.5°	5871.5	2810.5	305.8	267.9	218.4	171.8	139.8	113.6	93.2	81.5	78.6
50°	6838.5	3221.2	279.6	235.9	195.1	148.5	116.5	90.3	72.8	61.2	58.2
52.5°	8044.2	3803.7	253.4	218.4	166.0	125.2	93.2	72.8	55.3	46.6	43.7
55°	9319.9	4517.2	221.3	195.1	142.7	104.8	75.7	55.3	40.8	34.9	32.0
57.5°	10604.3	5067.7	195.1	168.9	116.5	84.5	61.2	43.7	29.1	23.3	20.4
60°	11285.8	5120.1	168.9	139.8	93.2	67.0	46.6	32.0	20.4	14.6	11.6
62.5°	11390.7	4654.1	145.6	113.6	75.7	52.4	32.0	23.3	11.6	5.8	5.8
65°	10851.9	3879.4	125.2	90.3	58.2	37.9	23.3	14.6	5.8	2.9	0.0
67°	9978.1	3250.3	107.8	75.7	46.6	29.1	17.5	8.7	2.9	0.0	0.0
67.5°	9640.3	3075.6	101.9	69.9	43.7	26.2	14.6	8.7	2.9	0.0	0.0
70°	7482.1	2196.0	75.7	49.5	32.0	20.4	11.6	5.8	0.0	0.0	0.0
72.5°	4584.2	1284.4	58.2	34.9	23.3	14.6	8.7	2.9	0.0	0.0	0.0
75°	1922.2	442.7	49.5	26.2	17.5	8.7	5.8	2.9	0.0	0.0	0.0
77.5°	500.9	166.0	34.9	17.5	11.6	8.7	5.8	2.9	0.0	0.0	0.0
80°	203.9	75.7	23.3	11.6	11.6	8.7	5.8	2.9	0.0	0.0	0.0
82.5°	134.0	34.9	14.6	11.6	8.7	5.8	2.9	0.0	0.0	0.0	0.0
85°	101.9	20.4	8.7	8.7	5.8	2.9	0.0	0.0	0.0	0.0	0.0
87.5°	43.7	11.6	8.7	5.8	5.8	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)