

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: P484841

Luminaire Tested: **IFLD-S-SA6B-750-U-SL4-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484841
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

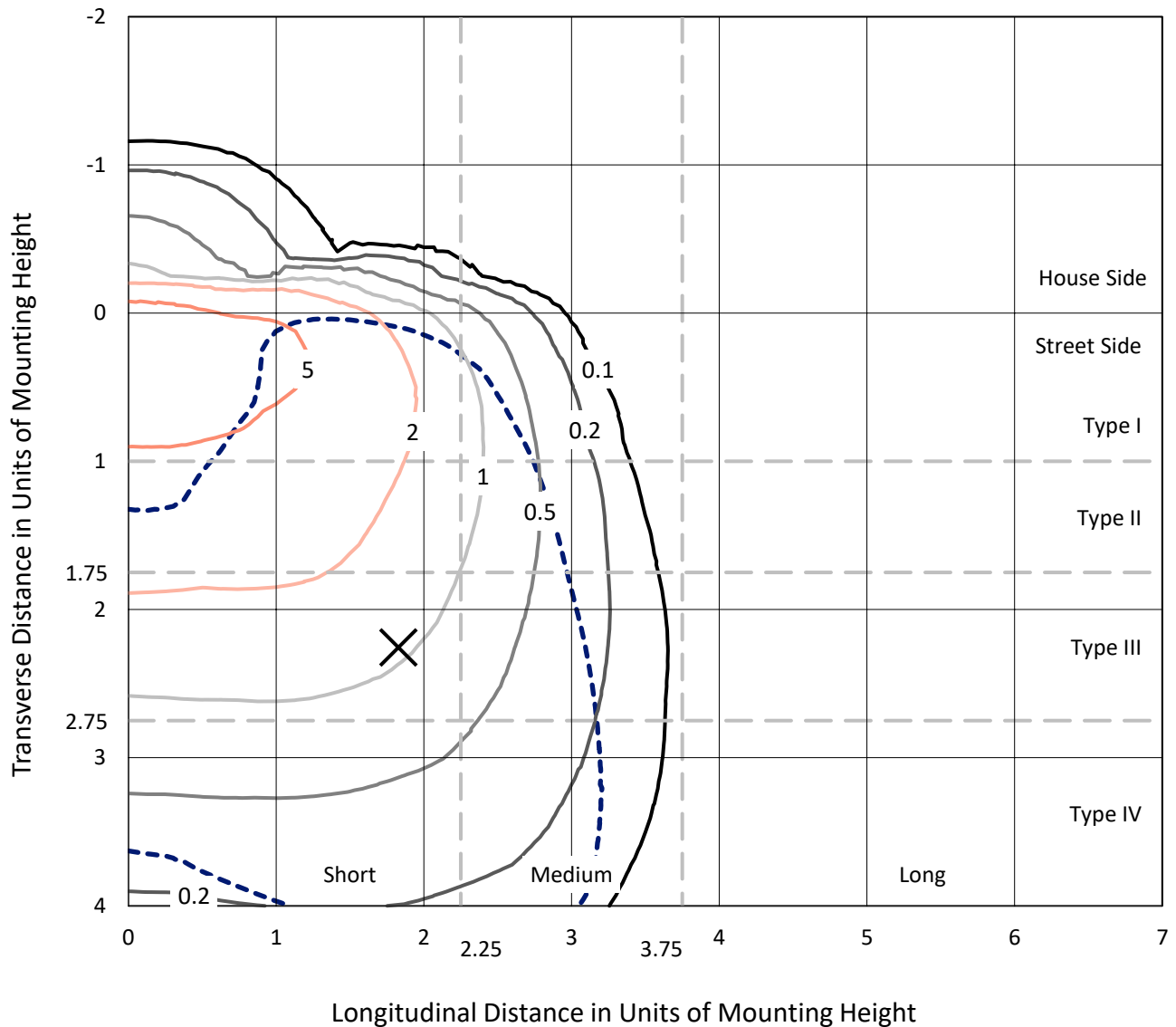
Lumens per Lamp: N/A
Luminaire Lumens: 28207.1 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 244.9
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

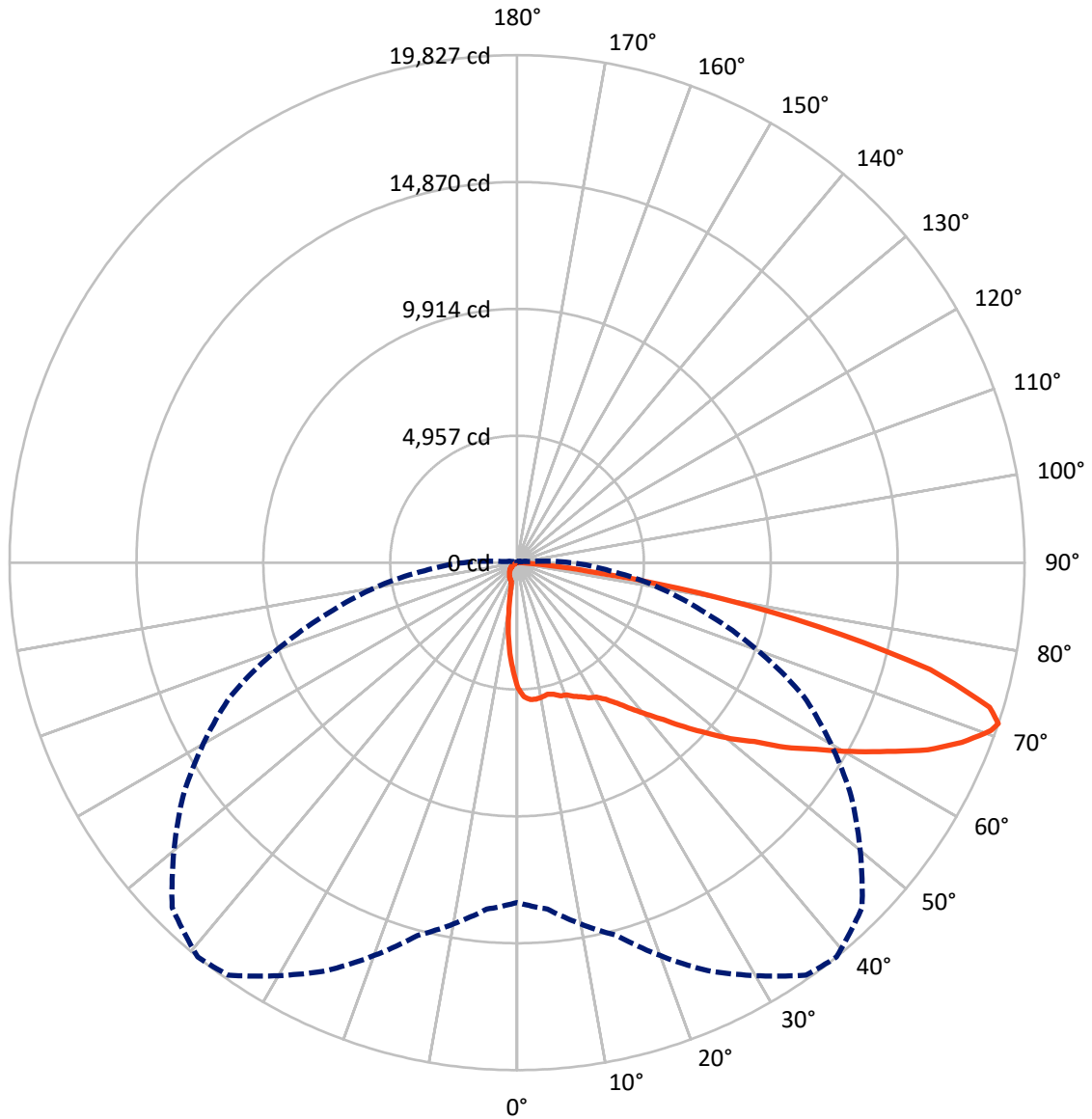
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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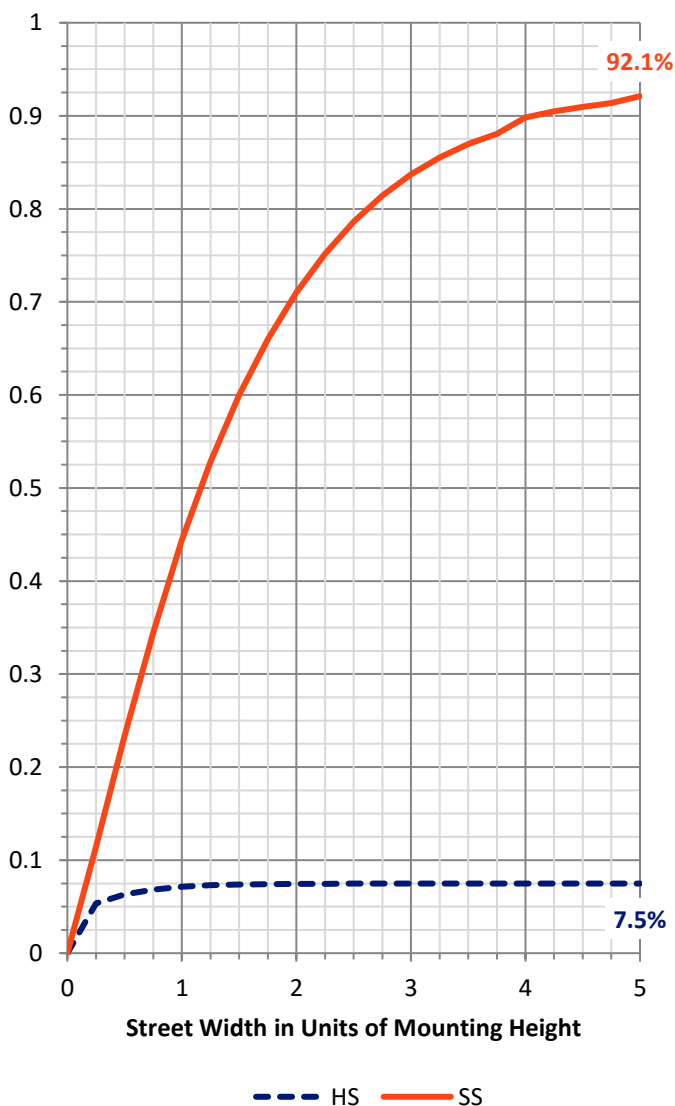
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2123.6	0.0	2123.6
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	26083.5	0.0	26083.5
	% Fixture	92.5	0.0	92.5
Total	Lumens	28207.1	0.0	28207.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.5	1.5
10°-20°	1010.3	3.6
20°-30°	1621.9	5.8
30°-40°	2482.8	8.8
40°-50°	3985.3	14.1
50°-60°	5853.7	20.8
60°-70°	7372.5	26.1
70°-80°	4920.2	17.4
80°-90°	549.9	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°	28207.1	100.0
0°-180°	28207.1	100.0

Coefficient of Utilization

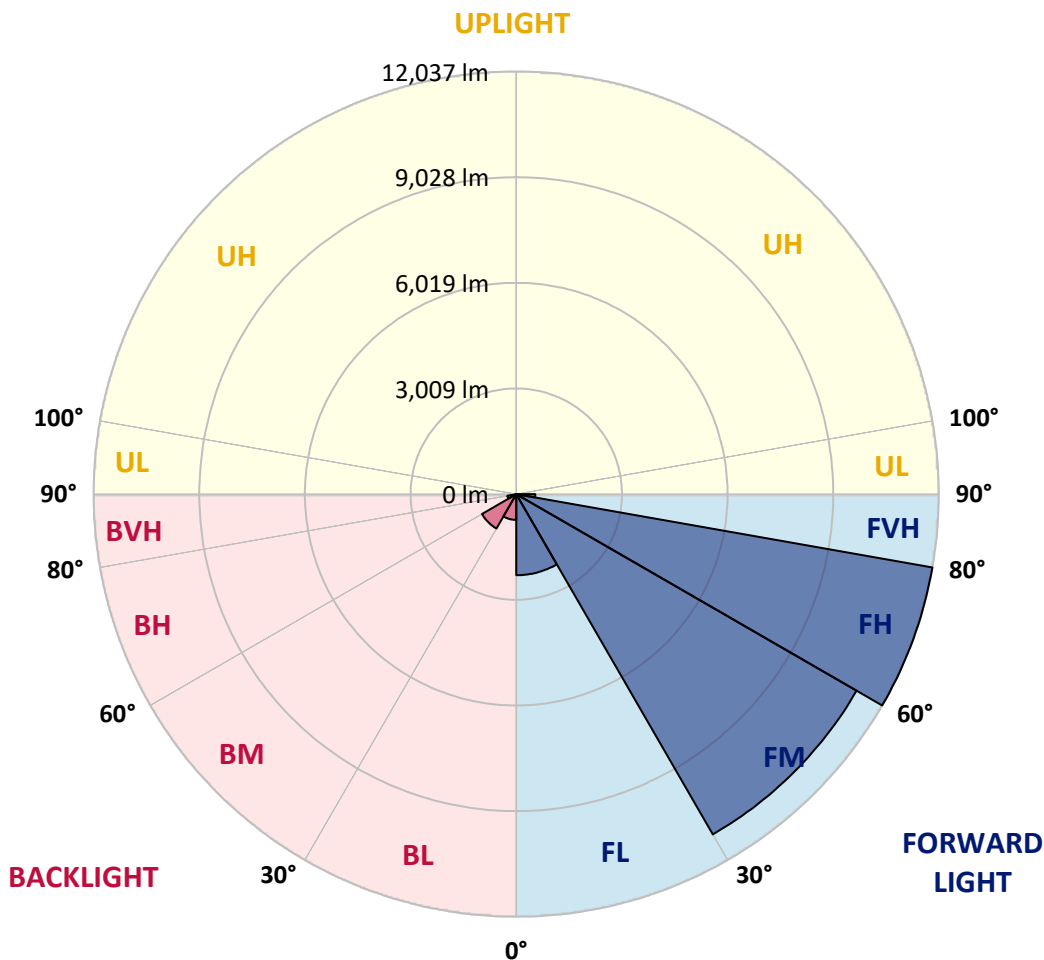


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2309.6	8.2			
FM (30°-60°)	11193.0	39.7			
FH (60°-80°)	12037.2	42.7			G5
FVH (80°-90°)	543.8	1.9			G4/750
BL (0°-30°)	733.2	2.6	B2/1000		
BM (30°-60°)	1128.8	4.0	B2/2500		
BH (60°-80°)	255.6	0.9	B1/500		G1/500
BVH (80°-90°)	6.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6
2.5°	5290.7	5342.5	5290.7	5268.5	5246.3	5250.0	5190.8	5201.9	5131.6	5039.1	4965.1
5°	5457.2	5527.5	5472.0	5446.1	5442.4	5372.1	5342.5	5272.2	5187.1	5042.8	4954.0
7.5°	5442.4	5427.6	5453.5	5431.3	5383.2	5383.2	5349.9	5250.0	5164.9	5002.1	4850.4
10°	5331.4	5375.8	5353.6	5327.7	5338.8	5342.5	5279.6	5209.3	5183.4	5020.6	4772.7
12.5°	5320.3	5246.3	5327.7	5331.4	5283.3	5279.6	5272.2	5253.7	5172.3	5024.3	4791.2
15°	5283.3	5253.7	5335.1	5338.8	5349.9	5338.8	5349.9	5335.1	5253.7	5168.6	4872.6
17.5°	5312.9	5279.6	5394.3	5449.8	5423.9	5475.7	5457.2	5390.6	5320.3	5220.4	4950.3
20°	5320.3	5368.4	5494.2	5516.4	5597.8	5512.7	5509.0	5438.7	5394.3	5287.0	4998.4
22.5°	5457.2	5479.4	5634.8	5682.9	5686.6	5675.5	5583.0	5501.6	5483.1	5349.9	5009.5
25°	5664.4	5742.1	5812.4	5842.0	5853.1	5801.3	5705.1	5601.5	5557.1	5472.0	5124.2
27.5°	6030.6	5982.5	6045.4	6089.8	5964.0	5982.5	5860.5	5771.7	5708.8	5634.8	5257.4
30°	6356.2	6311.8	6315.5	6308.1	6200.8	6100.9	6067.6	5912.3	5834.6	5864.2	5464.6
32.5°	6648.5	6552.3	6633.7	6596.7	6396.9	6367.3	6341.4	6145.3	6160.1	6297.0	5775.4
35°	6918.6	6885.3	6951.9	6885.3	6752.1	6744.7	6718.8	6548.6	6630.0	6826.1	6308.1
37.5°	7166.5	7177.6	7259.0	7225.7	7236.8	7244.2	7229.4	7048.1	7281.2	7721.4	6929.7
40°	7395.9	7381.1	7580.9	7684.4	7706.6	7788.0	7788.0	7743.6	8102.5	8598.3	7791.7
42.5°	7640.0	7677.0	7936.0	8109.9	8320.8	8391.1	8487.3	8509.5	9064.5	9630.5	8672.3
45°	8039.6	7976.7	8306.0	8716.7	8901.7	9149.6	9297.6	9423.3	10093.0	10870.0	9552.8
47.5°	8546.5	8420.7	8709.3	9305.0	9734.1	9937.6	10204.0	10370.5	11025.3	11828.2	10385.3
50°	9108.9	8979.4	9120.0	9941.3	10440.8	10810.8	11151.1	11362.0	12153.8	12901.1	10992.1
52.5°	9745.2	9626.8	9649.0	10603.6	11339.8	11609.9	12057.6	12372.1	13160.1	13548.6	11206.6
55°	10422.3	10392.7	10322.4	11251.0	12127.9	12734.6	13004.7	13382.1	14192.4	13900.1	11439.7
57.5°	11103.0	11010.6	11110.4	12109.4	13393.2	13755.8	14129.5	14355.2	14765.8	14207.2	11350.9
60°	11743.1	11750.5	11891.1	13041.7	14469.8	14984.1	15320.8	15183.9	15354.1	14340.4	11147.4
62.5°	12283.3	12268.5	12623.7	14088.8	15894.3	16242.0	16493.6	15883.2	15627.9	14469.8	10792.3
65°	12767.9	12934.4	13493.1	15335.6	17233.6	17633.2	17481.5	16545.4	15894.3	14088.8	9793.3
67.5°	13134.2	13382.1	14351.5	16508.4	18461.9	18743.1	18532.2	17048.6	15579.8	12594.1	7976.7
70°	13348.8	13600.4	14965.6	17485.2	19442.4	19645.8	19150.1	16660.1	13744.7	9120.0	4976.2
71°	13282.2	13589.3	15084.0	17588.8	19675.4	19827.1	19057.6	15942.4	12361.0	7636.3	3629.5
72.5°	12679.2	12967.7	14591.9	17514.8	19394.3	19301.8	18336.1	14218.3	9730.4	4868.9	1875.8
75°	9316.1	9626.8	12523.8	15150.6	17311.3	16674.9	14839.8	9978.3	5076.1	1491.0	547.6
77.5°	4639.5	4691.3	7773.2	10999.5	12697.7	12065.0	9945.0	5564.5	1898.0	440.3	273.8
80°	2138.5	2153.3	2915.4	5697.7	7677.0	7225.7	5571.9	2745.2	858.3	233.1	214.6
82.5°	1457.7	1479.9	1757.4	2360.5	3333.5	2811.8	2256.9	1757.4	492.1	140.6	210.9
85°	266.4	244.2	984.1	1250.5	1287.5	873.1	780.7	1520.6	185.0	81.4	185.0
87.5°	0.0	3.7	136.9	510.6	458.8	203.5	266.4	370.0	18.5	25.9	33.3
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°	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6	4909.6
2.5°	4902.2	4861.5	4724.6	4572.9	4436.0	4328.7	4191.9	4129.0	4029.1	3973.6	3969.9
5°	4831.9	4720.9	4484.1	4228.9	3944.0	3707.2	3444.5	3296.5	3126.3	3074.5	3063.4
7.5°	4713.5	4554.4	4206.7	3847.8	3411.2	2993.1	2671.2	2327.2	2116.3	2027.5	1994.2
10°	4639.5	4447.1	3973.6	3437.1	2826.6	2238.4	1787.0	1420.7	1228.3	1135.8	1113.6
12.5°	4639.5	4432.3	3784.9	3044.9	2234.7	1531.7	1106.2	895.3	832.5	810.3	810.3
15°	4628.4	4402.7	3603.6	2641.6	1653.8	1028.5	825.1	780.7	773.3	769.6	765.9
17.5°	4683.9	4350.9	3418.6	2208.8	1169.1	810.3	758.5	751.1	743.7	743.7	736.3
20°	4724.6	4321.3	3196.6	1750.0	873.1	751.1	728.9	717.8	714.1	710.4	717.8
22.5°	4691.3	4276.9	2922.8	1309.7	762.2	714.1	699.3	688.2	680.8	680.8	684.5
25°	4754.2	4236.3	2649.0	987.8	714.1	680.8	666.0	658.6	654.9	651.2	643.8
27.5°	4839.3	4254.7	2323.5	795.5	673.4	647.5	632.7	625.3	621.6	614.2	621.6
30°	4942.9	4251.0	1964.6	695.6	636.4	610.5	595.7	592.0	584.6	580.9	584.6
32.5°	5120.5	4347.2	1594.6	643.8	595.7	573.5	558.7	555.0	551.3	547.6	543.9
35°	5501.6	4465.6	1246.8	603.1	558.7	532.8	521.7	514.3	510.6	506.9	503.2
37.5°	5971.4	4728.3	950.8	566.1	521.7	495.8	484.7	481.0	466.2	462.5	458.8
40°	6559.7	5009.5	732.6	525.4	488.4	462.5	451.4	440.3	421.8	414.4	407.0
42.5°	7292.3	5283.3	603.1	488.4	451.4	432.9	414.4	395.9	381.1	366.3	358.9
45°	8024.8	5601.5	529.1	455.1	421.8	399.6	384.8	358.9	333.0	310.8	307.1
47.5°	8635.3	5716.2	484.7	418.1	392.2	373.7	351.5	318.2	281.2	259.0	255.3
50°	9090.4	5649.6	440.3	381.1	358.9	340.4	310.8	270.1	233.1	210.9	203.5
52.5°	9179.2	5357.3	399.6	351.5	325.6	303.4	270.1	225.7	185.0	162.8	159.1
55°	9116.3	4872.6	366.3	325.6	296.0	262.7	225.7	181.3	144.3	122.1	118.4
57.5°	8986.8	4299.1	329.3	292.3	259.0	225.7	185.0	148.0	107.3	85.1	85.1
60°	8546.5	3518.5	292.3	255.3	222.0	192.4	151.7	107.3	74.0	55.5	51.8
62.5°	7932.3	2704.5	255.3	218.3	192.4	159.1	118.4	77.7	44.4	29.6	29.6
65°	6811.3	1894.3	214.6	181.3	159.1	129.5	88.8	48.1	25.9	11.1	11.1
67.5°	5176.0	1172.8	177.6	151.7	136.9	103.6	62.9	29.6	11.1	3.7	0.0
70°	2970.9	610.5	140.6	122.1	107.3	77.7	44.4	14.8	7.4	0.0	0.0
71°	2075.6	451.4	125.8	107.3	96.2	70.3	37.0	11.1	3.7	0.0	0.0
72.5°	1039.6	299.7	107.3	88.8	77.7	55.5	29.6	11.1	3.7	0.0	0.0
75°	370.0	192.4	74.0	59.2	55.5	40.7	18.5	7.4	3.7	0.0	0.0
77.5°	255.3	155.4	51.8	37.0	37.0	25.9	11.1	3.7	3.7	0.0	0.0
80°	233.1	85.1	33.3	22.2	18.5	14.8	7.4	3.7	0.0	0.0	0.0
82.5°	233.1	62.9	18.5	14.8	11.1	7.4	3.7	0.0	0.0	0.0	0.0
85°	162.8	33.3	11.1	11.1	7.4	3.7	0.0	0.0	0.0	0.0	0.0
87.5°	25.9	11.1	7.4	3.7	3.7	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)