

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: P480030

Luminaire Tested: **IFLD-S-SA3C-730-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480030
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-730-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

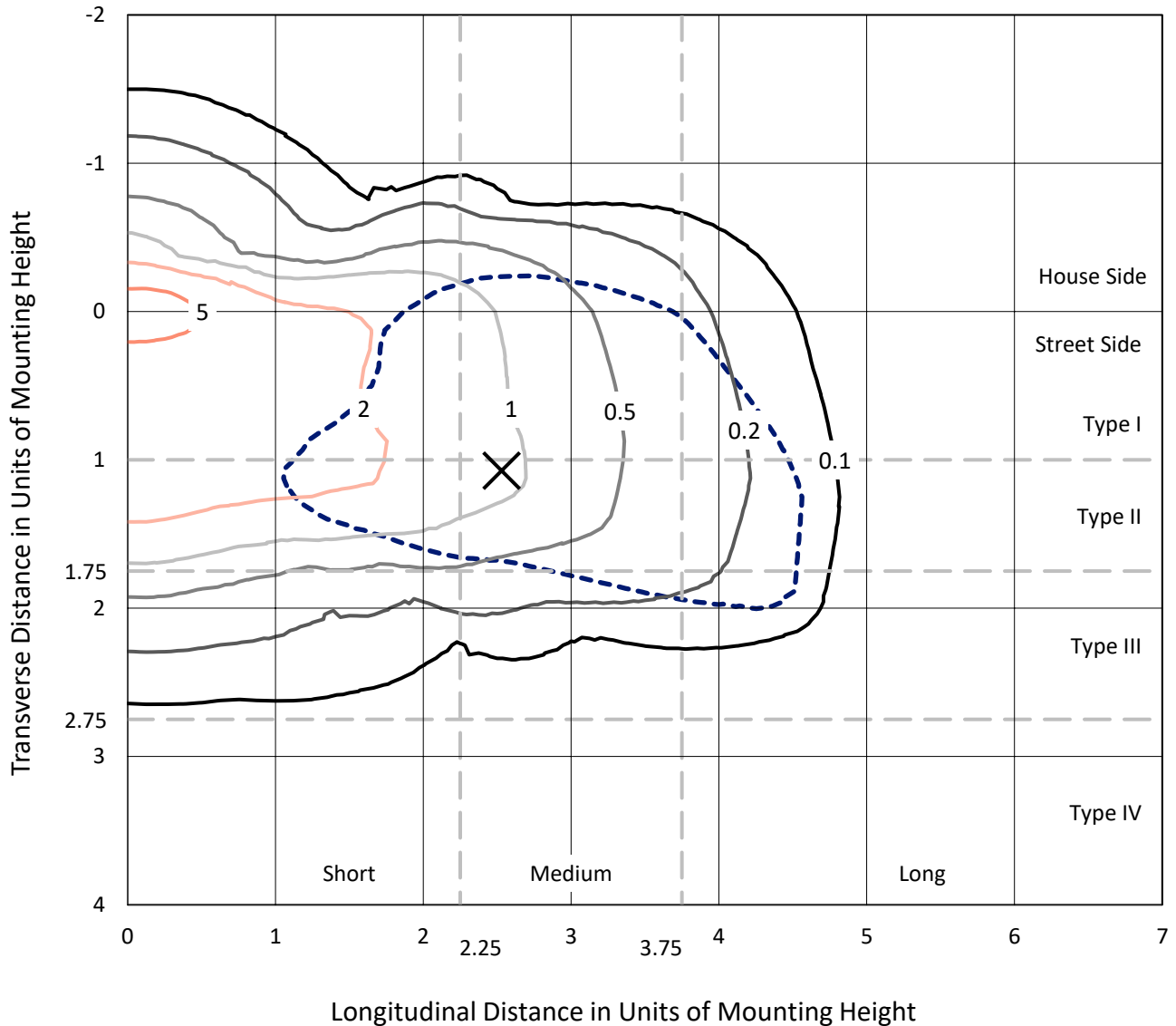
Lumens per Lamp: N/A
Luminaire Lumens: 19231.6 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 160.8
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

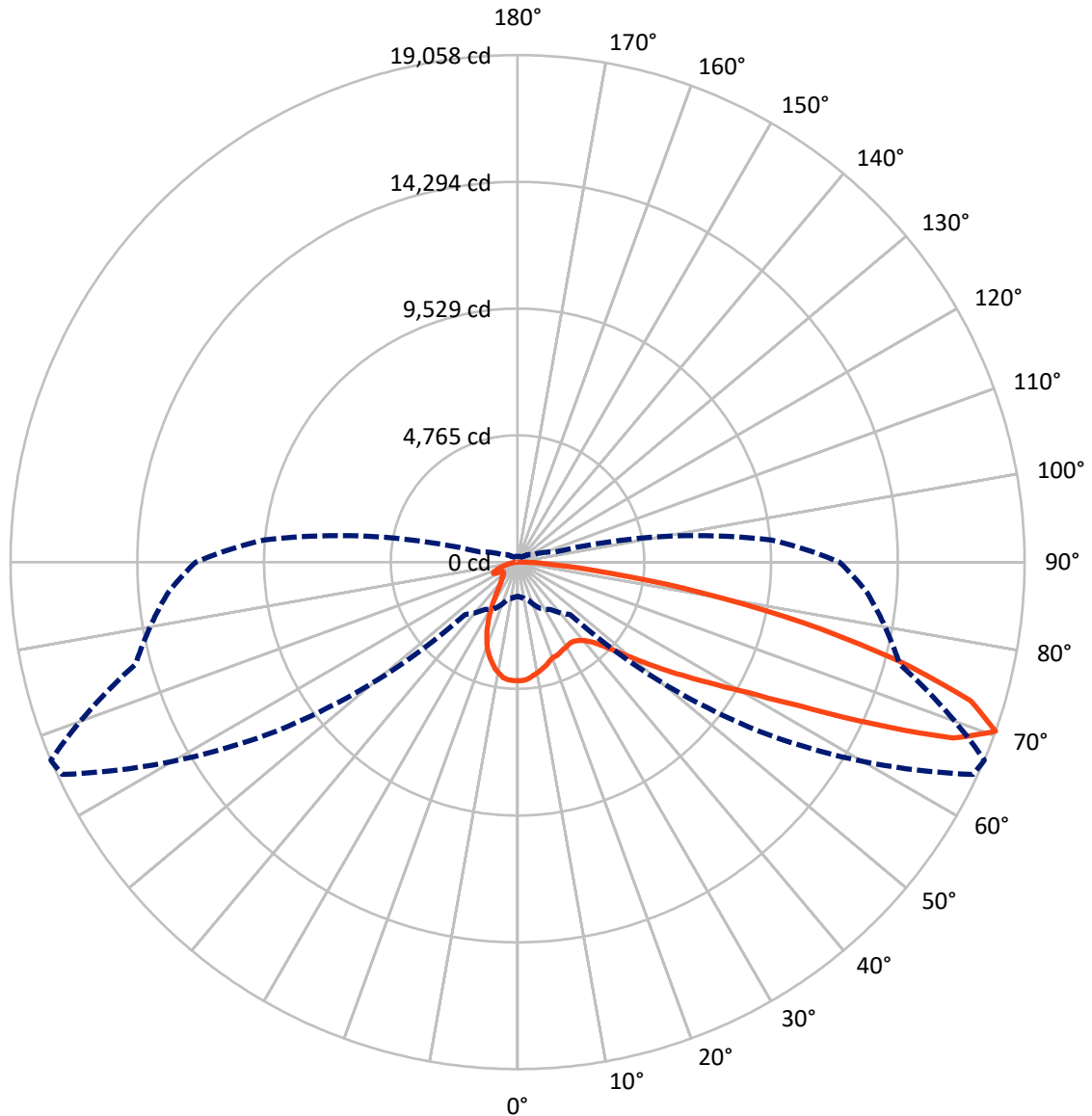
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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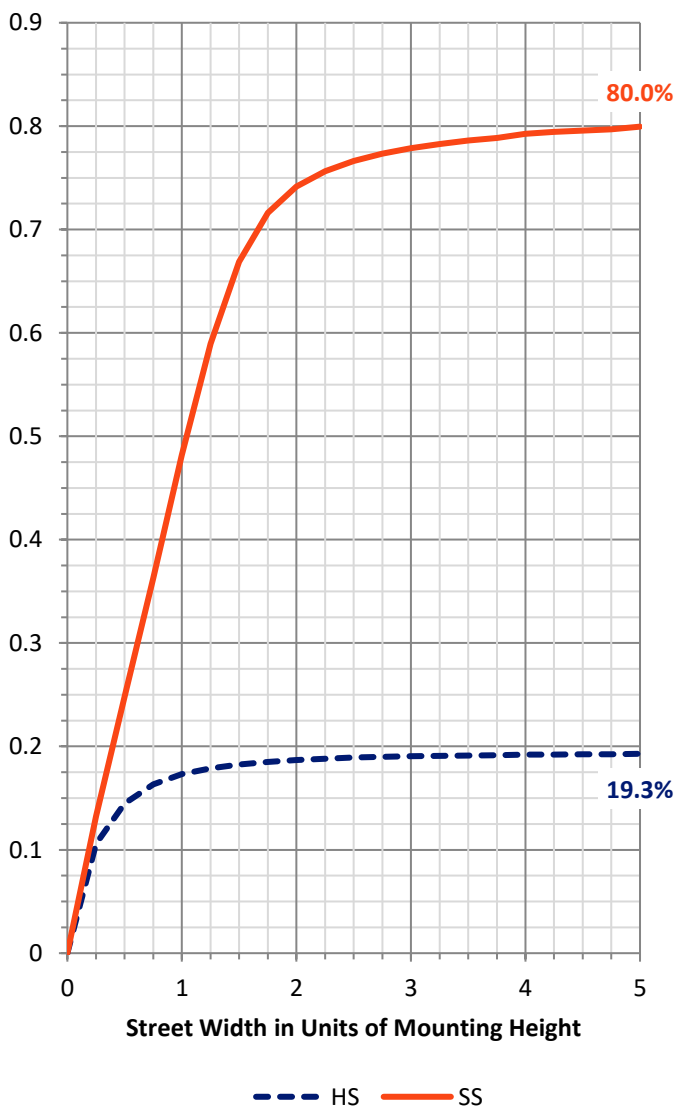
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3745.5	0.0	3745.5
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	15486.0	0.0	15486.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	19231.6	0.0	19231.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.4	2.0
10°-20°	930.3	4.8
20°-30°	1256.3	6.5
30°-40°	1681.1	8.7
40°-50°	2472.0	12.9
50°-60°	3853.2	20.0
60°-70°	4746.5	24.7
70°-80°	3353.9	17.4
80°-90°	549.7	2.9
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°	19231.6	100.0
0°-180°	19231.6	100.0

Coefficient of Utilization

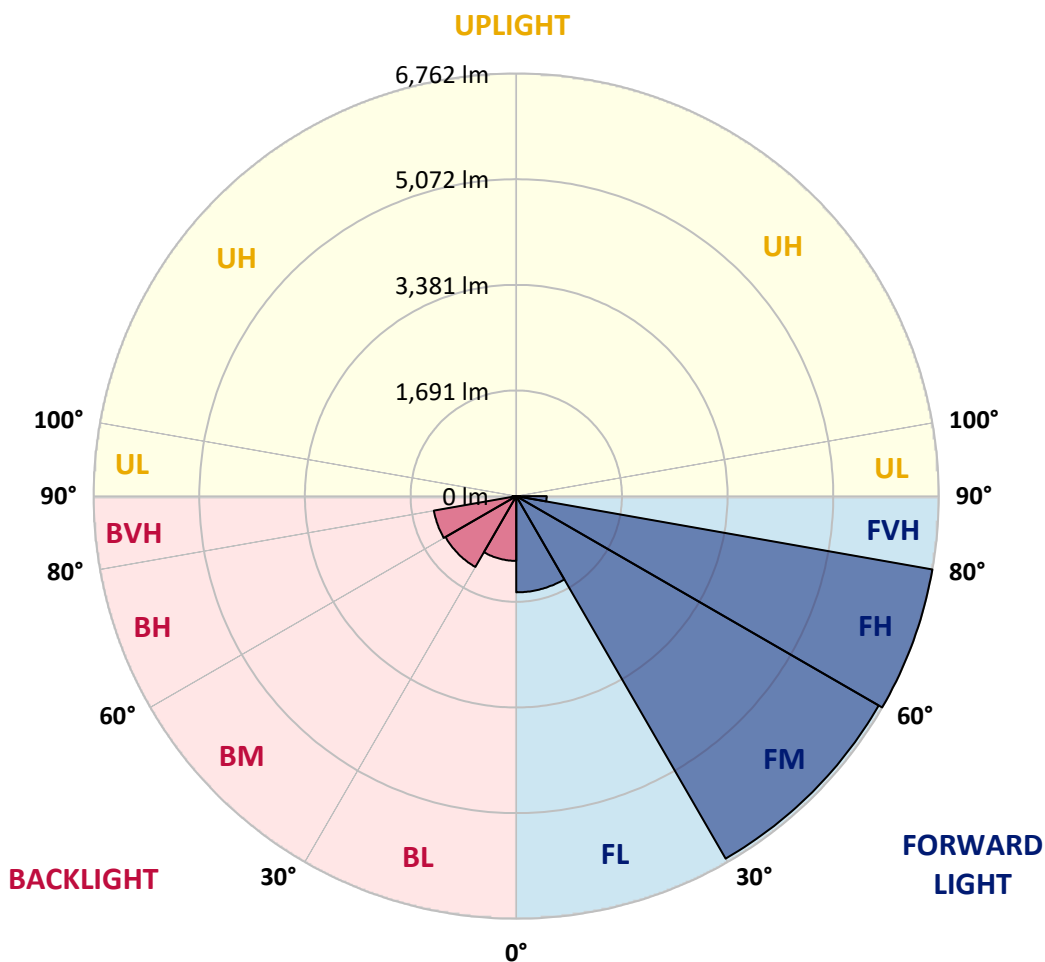


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1539.3	8.0			
FM (30°-60°)	6697.9	34.8			
FH (60°-80°)	6762.5	35.2			G3/7500
FVH (80°-90°)	486.3	2.5			G3/500
BL (0°-30°)	1035.8	5.4	B3/2500		
BM (30°-60°)	1308.4	6.8	B2/2500		
BH (60°-80°)	1338.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	63.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0
2.5°	4145.4	4192.3	4209.3	4234.9	4300.9	4349.8	4379.7	4413.7	4454.2	4488.2	4509.5
5°	3855.9	3881.4	3921.9	3949.6	4032.6	4164.6	4254.0	4398.8	4394.6	4447.8	4528.7
7.5°	3574.8	3600.4	3619.5	3674.9	3794.1	3913.4	4077.3	4311.5	4294.5	4418.0	4543.6
10°	3400.2	3381.1	3387.5	3481.2	3574.8	3709.0	3915.5	4154.0	4215.7	4407.3	4586.2
12.5°	3236.3	3215.0	3266.1	3325.7	3440.7	3562.1	3809.0	4024.1	4117.8	4369.0	4605.3
15°	3134.1	3119.2	3183.1	3208.6	3344.9	3489.7	3664.3	3926.1	4028.3	4322.2	4575.5
17.5°	3076.6	3089.4	3112.8	3168.2	3255.5	3379.0	3570.6	3860.1	3904.9	4264.7	4569.1
20°	3087.3	3102.2	3104.3	3127.7	3187.3	3283.1	3479.0	3789.9	3819.7	4254.0	4586.2
22.5°	3172.4	3151.1	3159.7	3144.7	3161.8	3236.3	3408.8	3696.2	3811.2	4164.6	4550.0
25°	3300.2	3270.4	3266.1	3215.0	3183.1	3204.4	3396.0	3672.8	3747.3	4136.9	4547.9
27.5°	3525.9	3481.2	3481.2	3404.5	3274.6	3240.6	3359.8	3634.5	3700.5	4111.4	4498.9
30°	3743.0	3743.0	3745.2	3636.6	3491.8	3323.6	3374.7	3619.5	3662.1	4034.7	4432.9
32.5°	4007.1	4000.7	3990.0	3936.8	3713.2	3462.0	3447.1	3600.4	3621.7	4009.2	4413.7
35°	4264.7	4247.6	4330.7	4283.8	4056.0	3732.4	3521.6	3608.9	3655.7	3970.9	4354.1
37.5°	4458.4	4469.1	4641.5	4671.3	4475.5	4039.0	3732.4	3694.1	3738.8	4026.2	4354.1
40°	4709.7	4752.3	4914.1	5014.1	4894.9	4443.5	4066.7	3836.7	3868.7	4149.7	4447.8
42.5°	5039.7	5075.9	5282.4	5412.3	5378.2	4958.8	4396.7	4134.8	4109.3	4356.2	4588.3
45°	5476.2	5482.6	5691.2	5870.1	5940.3	5497.5	4920.5	4511.7	4490.4	4711.8	4845.9
47.5°	5995.7	5989.3	6119.2	6310.8	6500.3	6140.5	5523.0	5084.4	5007.8	5220.7	5273.9
50°	6498.2	6470.5	6500.3	6745.1	7109.2	6945.3	6255.4	5784.9	5708.2	5825.3	5916.9
52.5°	6774.9	6809.0	6728.1	7051.7	7756.5	7897.0	7226.3	6621.6	6555.6	6613.1	6772.8
55°	6581.2	6651.5	6598.2	6904.8	8039.7	9057.4	8482.5	7590.4	7505.2	7484.0	7745.8
57.5°	5757.2	5885.0	5895.6	6381.1	7941.7	9955.9	10249.7	8733.8	8606.0	8388.8	8659.2
60°	4420.1	4547.9	4645.8	5220.7	7102.8	10492.4	12298.0	10360.4	9938.9	9376.8	9538.6
62.5°	3097.9	3185.2	3283.1	3636.6	5476.2	10177.3	14069.4	12651.4	11874.3	10417.9	10620.2
65°	2256.9	2325.0	2425.1	2633.8	3364.1	8420.8	14891.3	15372.4	14635.8	11742.2	11716.7
67.5°	1699.1	1741.6	1873.6	2207.9	2331.4	5201.5	14039.6	18246.8	17650.6	13213.5	12598.2
70°	1286.0	1322.2	1445.7	1903.5	2178.1	2789.2	11075.8	18887.7	19058.0	14863.6	13190.1
72.5°	885.7	926.2	1064.6	1586.2	2073.8	2212.2	6951.7	17158.8	17803.9	15542.8	12555.6
75°	542.9	570.6	651.5	1203.0	2058.9	2163.2	3826.1	14060.9	14744.3	14361.1	10984.3
77.5°	383.2	381.1	396.0	704.7	1784.2	2176.0	2359.1	10302.9	10967.2	10584.0	7454.1
80°	278.9	281.0	296.0	421.6	1211.5	2212.2	1858.7	6900.6	7098.6	5518.7	2940.4
82.5°	168.2	176.7	212.9	285.3	728.2	1997.1	1718.2	3834.6	3587.6	1771.4	809.1
85°	89.4	89.4	125.6	181.0	387.5	1490.4	1654.3	1824.7	1528.7	549.3	300.2
87.5°	21.3	21.3	36.2	72.4	155.4	713.3	1128.4	726.0	581.3	185.2	123.5
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°	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0	4452.0
2.5°	4501.0	4475.5	4507.4	4443.5	4392.4	4394.6	4315.8	4311.5	4300.9	4245.5	4264.7
5°	4552.1	4530.8	4494.6	4424.4	4311.5	4198.7	4130.5	4043.2	4007.1	3987.9	3996.4
7.5°	4601.1	4562.8	4458.4	4360.5	4185.9	3973.0	3849.5	3732.4	3583.4	3566.3	3536.5
10°	4613.9	4533.0	4398.8	4190.2	3958.1	3721.7	3440.7	3223.5	3108.6	3019.1	2985.1
12.5°	4594.7	4560.6	4303.0	4034.7	3683.4	3313.0	2985.1	2678.5	2465.6	2354.8	2325.0
15°	4592.6	4533.0	4196.5	3798.4	3349.1	2865.8	2399.5	2031.2	1807.6	1716.1	1716.1
17.5°	4594.7	4452.0	4070.9	3559.9	2955.3	2301.6	1788.5	1486.1	1362.7	1349.9	1360.5
20°	4552.1	4392.4	3938.9	3278.9	2461.3	1728.9	1298.8	1175.3	1175.3	1192.3	1198.7
22.5°	4513.8	4303.0	3730.3	2931.8	1958.8	1251.9	1056.1	1019.9	1060.3	1090.1	1102.9
25°	4460.6	4228.5	3517.4	2572.0	1490.4	1009.2	917.7	926.2	964.5	1017.7	1013.5
27.5°	4383.9	4098.6	3264.0	2154.7	1109.3	870.8	847.4	851.7	892.1	915.5	911.3
30°	4296.6	3966.6	3029.8	1739.5	879.3	798.4	796.3	806.9	813.3	826.1	824.0
32.5°	4185.9	3792.0	2780.7	1352.0	792.0	758.0	749.5	743.1	749.5	747.3	740.9
35°	4107.1	3698.3	2527.3	1030.5	743.1	721.8	715.4	704.7	696.2	683.5	681.3
37.5°	4085.8	3604.6	2261.2	841.0	704.7	694.1	672.8	653.6	643.0	636.6	632.4
40°	4073.1	3542.9	2001.4	738.8	672.8	662.2	636.6	611.1	600.4	594.0	596.2
42.5°	4117.8	3508.8	1737.4	687.7	645.1	626.0	598.3	568.5	566.4	562.1	568.5
45°	4275.3	3551.4	1492.5	651.5	617.5	585.5	549.3	534.4	532.3	528.0	532.3
47.5°	4633.0	3657.9	1283.9	628.1	587.6	560.0	521.6	500.3	498.2	496.1	496.1
50°	5127.0	3985.8	1109.3	600.4	568.5	530.2	494.0	470.5	466.3	457.8	457.8
52.5°	5902.0	4537.2	1005.0	585.5	534.4	502.5	464.2	438.6	428.0	419.4	419.4
55°	6774.9	5220.7	985.8	560.0	498.2	468.4	434.3	408.8	398.2	387.5	383.2
57.5°	7769.3	6125.6	1122.1	542.9	472.7	434.3	396.0	372.6	364.1	353.4	349.2
60°	8695.4	7028.3	1545.8	517.4	449.2	402.4	364.1	340.7	330.0	319.4	319.4
62.5°	9766.4	8146.1	2263.3	517.4	428.0	368.3	330.0	313.0	306.6	296.0	293.8
65°	11033.2	9302.2	2787.1	549.3	421.6	338.5	298.1	281.0	274.7	268.3	266.1
67.5°	11997.7	9966.5	2397.4	634.5	449.2	313.0	266.1	255.5	251.2	244.9	240.6
70°	12099.9	9562.0	1445.7	685.6	476.9	287.4	238.5	227.8	227.8	221.4	217.2
72.5°	11182.3	8484.6	973.0	611.1	432.2	257.6	210.8	202.3	198.0	193.8	191.6
75°	9357.6	7196.5	768.6	487.6	332.1	212.9	183.1	174.6	168.2	166.1	161.8
77.5°	6285.2	4677.7	568.5	381.1	244.9	172.5	153.3	144.8	138.4	136.3	129.9
80°	2414.5	1782.1	366.2	276.8	172.5	136.3	121.4	112.8	108.6	102.2	97.9
82.5°	711.1	577.0	204.4	170.3	110.7	93.7	87.3	80.9	74.5	68.1	66.0
85°	293.8	264.0	125.6	89.4	68.1	55.4	51.1	44.7	38.3	34.1	29.8
87.5°	136.3	112.8	57.5	34.1	23.4	12.8	6.4	2.1	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)