

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: P479965

Luminaire Tested: **IFLD-S-SA6A-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479965
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

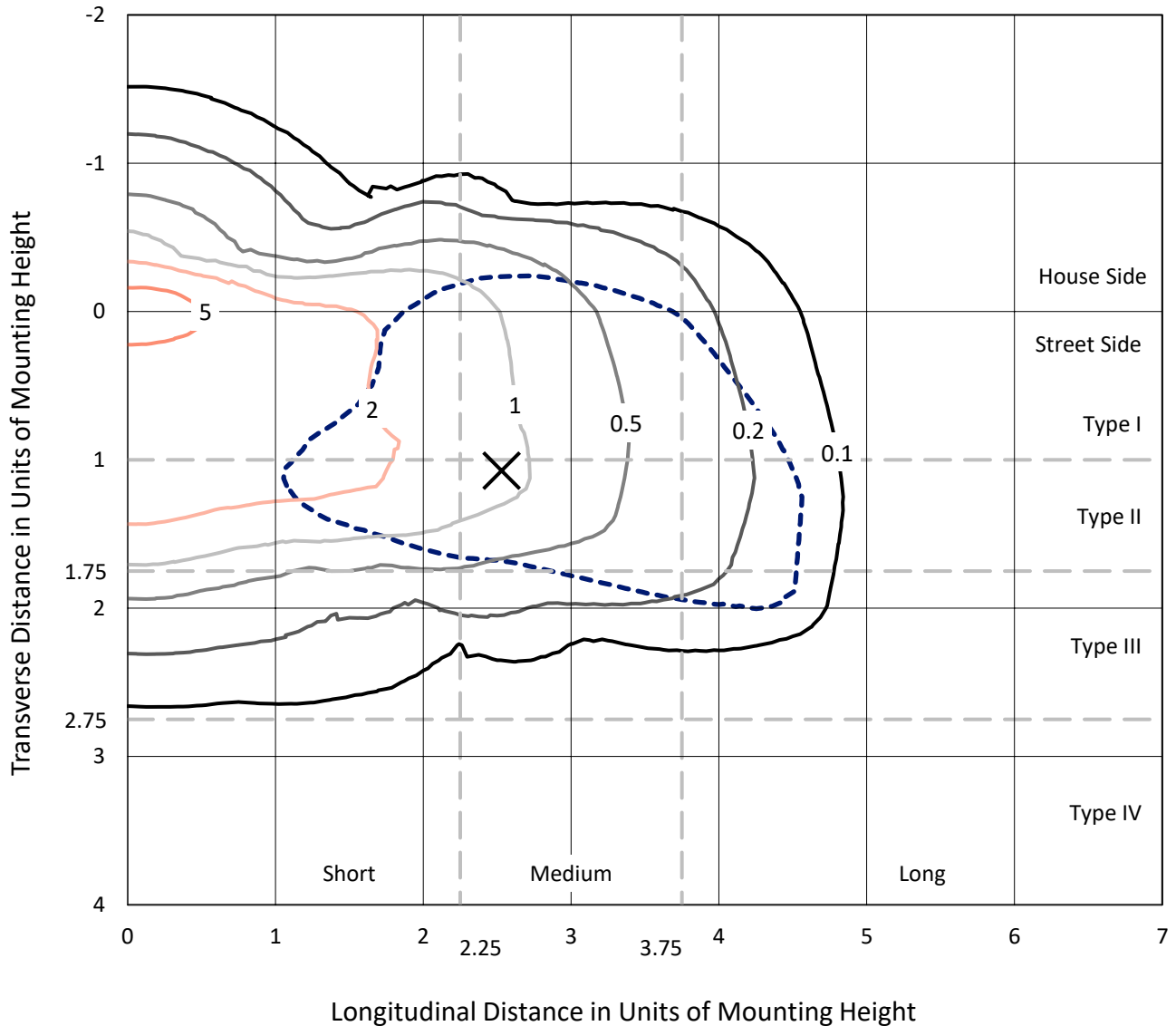
Lumens per Lamp: N/A
Luminaire Lumens: 19822.3 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 189.6
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

REPORT NUMBER: P479965
 CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

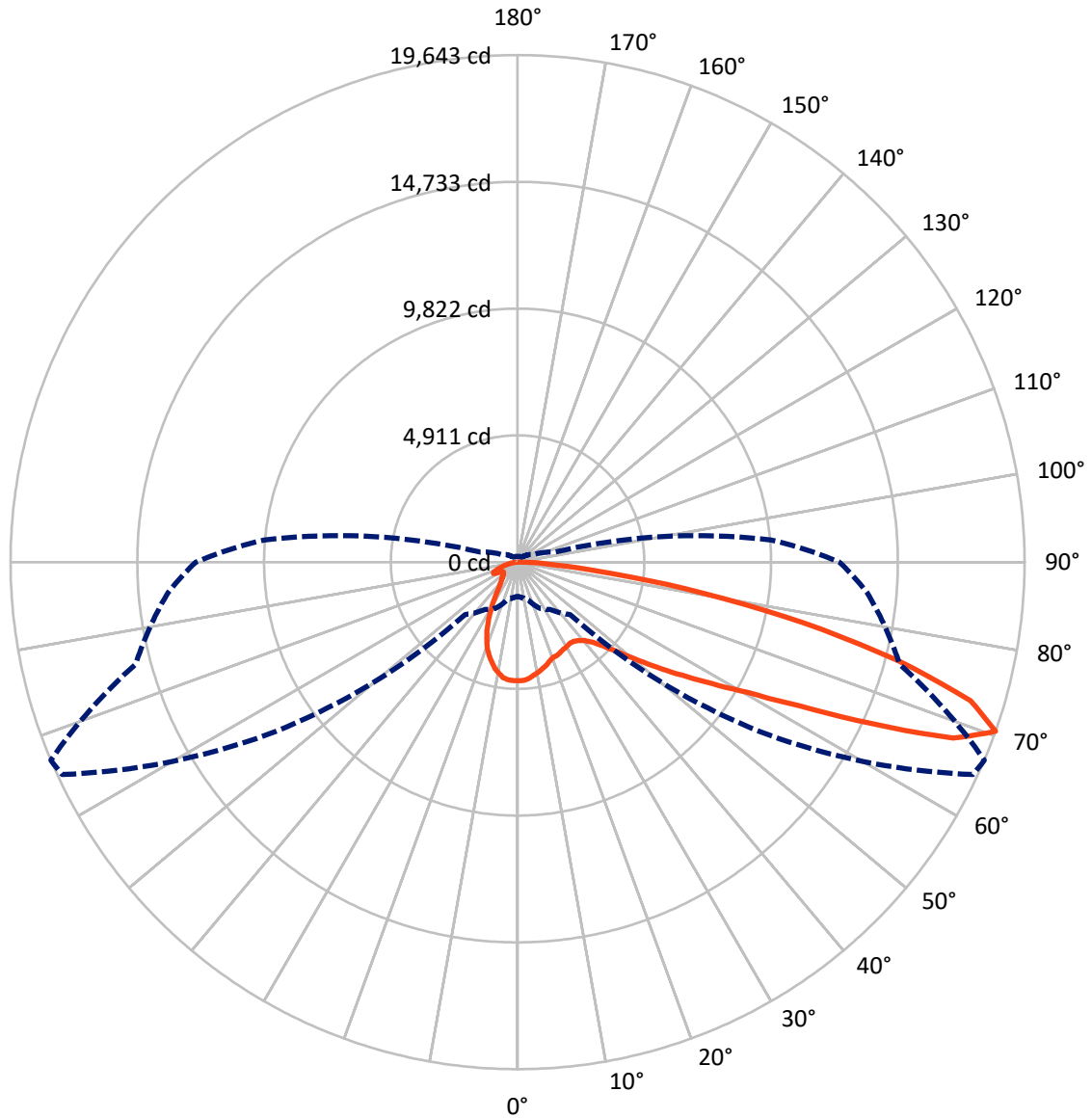
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P479965
CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2

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	3860.6	0.0	3860.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	15961.7	0.0	15961.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	19822.3	0.0	19822.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.4	2.0
10°-20°	958.9	4.8
20°-30°	1294.9	6.5
30°-40°	1732.7	8.7
40°-50°	2547.9	12.9
50°-60°	3971.6	20.0
60°-70°	4892.3	24.7
70°-80°	3456.9	17.4
80°-90°	566.6	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°	19822.3	100.0
0°-180°	19822.3	100.0

Coefficient of Utilization

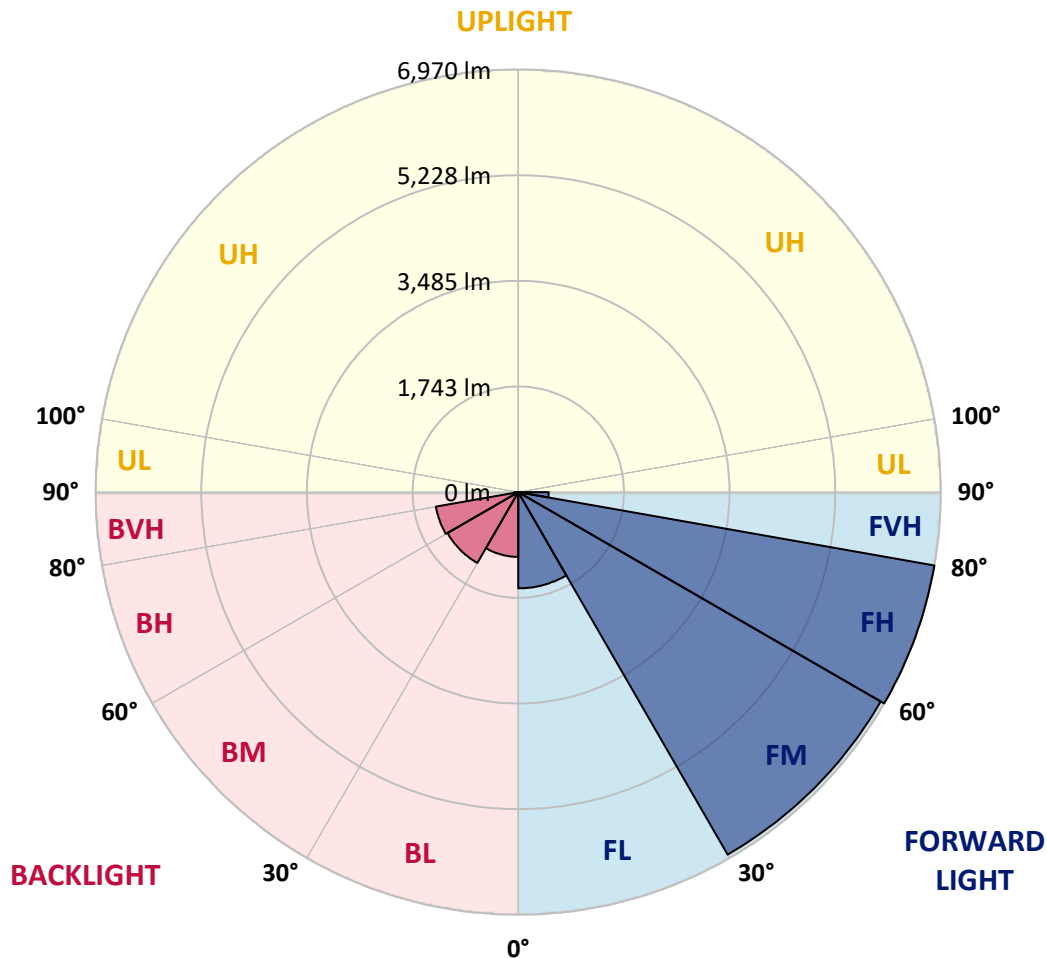


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1586.6	8.0			
FM (30°-60°)	6903.7	34.8			
FH (60°-80°)	6970.2	35.2			G3/7500
FVH (80°-90°)	501.2	2.5			G4/750
BL (0°-30°)	1067.6	5.4	B3/2500		
BM (30°-60°)	1348.6	6.8	B2/2500		
BH (60°-80°)	1379.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	65.4	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-G4
 Type III Medium





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CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8
2.5°	4272.8	4321.1	4338.6	4365.0	4433.0	4483.5	4514.2	4549.3	4591.0	4626.1	4648.1
5°	3974.3	4000.7	4042.4	4070.9	4156.5	4292.5	4384.7	4533.9	4529.5	4584.4	4667.8
7.5°	3684.6	3711.0	3730.7	3787.8	3910.7	4033.6	4202.6	4444.0	4426.4	4553.7	4683.2
10°	3504.7	3484.9	3491.5	3588.1	3684.6	3822.9	4035.8	4281.6	4345.2	4542.7	4727.1
12.5°	3335.7	3313.8	3366.4	3427.9	3546.4	3671.5	3926.0	4147.7	4244.3	4503.2	4746.8
15°	3230.4	3215.0	3280.8	3307.2	3447.6	3596.9	3776.8	4046.7	4152.1	4454.9	4716.1
17.5°	3171.1	3184.3	3208.4	3265.5	3355.5	3482.7	3680.3	3978.7	4024.8	4395.7	4709.5
20°	3182.1	3197.5	3199.7	3223.8	3285.2	3384.0	3585.9	3906.3	3937.0	4384.7	4727.1
22.5°	3269.9	3247.9	3256.7	3241.3	3258.9	3335.7	3513.5	3809.7	3928.2	4292.5	4689.7
25°	3401.5	3370.8	3366.4	3313.8	3280.8	3302.8	3500.3	3785.6	3862.4	4264.0	4687.6
27.5°	3634.2	3588.1	3588.1	3509.1	3375.2	3340.1	3463.0	3746.1	3814.1	4237.7	4637.1
30°	3858.0	3858.0	3860.2	3748.3	3599.1	3425.7	3478.4	3730.7	3774.6	4158.7	4569.0
32.5°	4130.1	4123.6	4112.6	4057.7	3827.3	3568.3	3553.0	3711.0	3732.9	4132.3	4549.3
35°	4395.7	4378.1	4463.7	4415.4	4180.6	3847.0	3629.8	3719.8	3768.0	4092.8	4487.9
37.5°	4595.4	4606.4	4784.1	4814.8	4612.9	4163.1	3847.0	3807.5	3853.6	4149.9	4487.9
40°	4854.3	4898.2	5065.0	5168.2	5045.3	4580.0	4191.6	3954.6	3987.5	4277.2	4584.4
42.5°	5194.5	5231.8	5444.7	5578.5	5543.4	5111.1	4531.7	4261.8	4235.5	4490.0	4729.3
45°	5644.4	5651.0	5866.0	6050.4	6122.8	5666.3	5071.6	4650.2	4628.3	4856.5	4994.8
47.5°	6179.8	6173.3	6307.1	6504.6	6700.0	6329.1	5692.7	5240.6	5161.6	5381.0	5435.9
50°	6697.8	6669.2	6700.0	6952.3	7327.6	7158.6	6447.6	5962.6	5883.6	6004.3	6098.6
52.5°	6983.1	7018.2	6934.8	7268.3	7994.7	8139.6	7448.3	6825.0	6757.0	6816.3	6980.9
55°	6783.3	6855.8	6800.9	7116.9	8286.6	9335.6	8743.1	7823.6	7735.8	7713.8	7983.8
57.5°	5934.1	6065.7	6076.7	6577.1	8185.7	10261.7	10564.6	9002.0	8870.4	8646.5	8925.2
60°	4555.9	4687.6	4788.5	5381.0	7321.0	10814.7	12675.7	10678.7	10244.1	9664.8	9831.6
62.5°	3193.1	3283.0	3384.0	3748.3	5644.4	10489.9	14501.6	13040.0	12239.0	10737.9	10946.4
65°	2326.2	2396.4	2499.6	2714.7	3467.4	8679.4	15348.7	15844.6	15085.3	12102.9	12076.6
67.5°	1751.2	1795.1	1931.2	2275.7	2403.0	5361.3	14470.8	18807.3	18192.8	13619.4	12985.1
70°	1325.5	1362.8	1490.1	1961.9	2245.0	2874.9	11416.0	19467.8	19643.4	15320.1	13595.2
72.5°	912.9	954.6	1097.3	1634.9	2137.5	2280.1	7165.2	17685.9	18350.8	16020.2	12941.2
75°	559.6	588.1	671.5	1239.9	2122.1	2229.7	3943.6	14492.8	15197.2	14802.2	11321.7
77.5°	395.0	392.8	408.2	726.4	1839.0	2242.8	2431.6	10619.4	11304.1	10909.1	7683.1
80°	287.5	289.7	305.0	434.5	1248.7	2280.1	1915.8	7112.5	7316.6	5688.3	3030.7
82.5°	173.4	182.1	219.5	294.1	750.5	2058.5	1771.0	3952.4	3697.8	1825.9	833.9
85°	92.2	92.2	129.5	186.5	399.4	1536.2	1705.2	1880.7	1575.7	566.2	309.4
87.5°	21.9	21.9	37.3	74.6	160.2	735.2	1163.1	748.3	599.1	190.9	127.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P479965
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8	4588.8
2.5°	4639.3	4612.9	4645.9	4580.0	4527.4	4529.5	4448.3	4444.0	4433.0	4375.9	4395.7
5°	4691.9	4670.0	4632.7	4560.3	4444.0	4327.6	4257.4	4167.4	4130.1	4110.4	4119.2
7.5°	4742.4	4702.9	4595.4	4494.4	4314.5	4095.0	3967.7	3847.0	3693.4	3675.9	3645.1
10°	4755.6	4672.2	4533.9	4318.9	4079.7	3836.1	3546.4	3322.5	3204.0	3111.9	3076.8
12.5°	4735.8	4700.7	4435.2	4158.7	3796.6	3414.7	3076.8	2760.7	2541.3	2427.2	2396.4
15°	4733.6	4672.2	4325.5	3915.1	3452.0	2953.9	2473.3	2093.6	1863.2	1768.8	1768.8
17.5°	4735.8	4588.8	4196.0	3669.3	3046.0	2372.3	1843.4	1531.8	1404.5	1391.3	1402.3
20°	4691.9	4527.4	4059.9	3379.6	2536.9	1782.0	1338.7	1211.4	1211.4	1228.9	1235.5
22.5°	4652.4	4435.2	3844.8	3021.9	2019.0	1290.4	1088.5	1051.2	1092.9	1123.6	1136.8
25°	4597.6	4358.4	3625.4	2651.0	1536.2	1040.2	945.9	954.6	994.1	1049.0	1044.6
27.5°	4518.6	4224.5	3364.2	2220.9	1143.4	897.6	873.4	877.8	919.5	943.7	939.3
30°	4428.6	4088.4	3122.8	1792.9	906.3	823.0	820.8	831.7	838.3	851.5	849.3
32.5°	4314.5	3908.5	2866.1	1393.5	816.4	781.3	772.5	765.9	772.5	770.3	763.7
35°	4233.3	3811.9	2604.9	1062.2	765.9	744.0	737.4	726.4	717.6	704.4	702.3
37.5°	4211.3	3715.4	2330.6	866.8	726.4	715.4	693.5	673.7	662.8	656.2	651.8
40°	4198.2	3651.7	2062.9	761.5	693.5	682.5	656.2	629.8	618.9	612.3	614.5
42.5°	4244.3	3616.6	1790.8	708.8	664.9	645.2	616.7	585.9	583.7	579.4	585.9
45°	4406.7	3660.5	1538.4	671.5	636.4	603.5	566.2	550.8	548.6	544.2	548.6
47.5°	4775.3	3770.2	1323.3	647.4	605.7	577.2	537.7	515.7	513.5	511.3	511.3
50°	5284.5	4108.2	1143.4	618.9	585.9	546.4	509.1	485.0	480.6	471.8	471.8
52.5°	6083.3	4676.6	1035.8	603.5	550.8	517.9	478.4	452.1	441.1	432.3	432.3
55°	6983.1	5381.0	1016.1	577.2	513.5	482.8	447.7	421.4	410.4	399.4	395.0
57.5°	8007.9	6313.7	1156.5	559.6	487.2	447.7	408.2	384.0	375.3	364.3	359.9
60°	8962.5	7244.2	1593.2	533.3	463.0	414.8	375.3	351.1	340.2	329.2	329.2
62.5°	10066.4	8396.3	2332.8	533.3	441.1	379.7	340.2	322.6	316.0	305.0	302.8
65°	11372.1	9588.0	2872.7	566.2	434.5	348.9	307.2	289.7	283.1	276.5	274.3
67.5°	12366.3	10272.7	2471.1	654.0	463.0	322.6	274.3	263.3	259.0	252.4	248.0
70°	12471.6	9855.7	1490.1	706.6	491.6	296.3	245.8	234.8	234.8	228.2	223.8
72.5°	11525.8	8745.3	1002.9	629.8	445.5	265.5	217.3	208.5	204.1	199.7	197.5
75°	9645.0	7417.6	792.2	502.6	342.3	219.5	188.7	180.0	173.4	171.2	166.8
77.5°	6478.3	4821.4	585.9	392.8	252.4	177.8	158.0	149.2	142.6	140.5	133.9
80°	2488.6	1836.8	377.5	285.3	177.8	140.5	125.1	116.3	111.9	105.3	100.9
82.5°	733.0	594.7	210.7	175.6	114.1	96.6	90.0	83.4	76.8	70.2	68.0
85°	302.8	272.1	129.5	92.2	70.2	57.1	52.7	46.1	39.5	35.1	30.7
87.5°	140.5	116.3	59.3	35.1	24.1	13.2	6.6	2.2	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)