

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: P481298

Luminaire Tested: **IFLD-M-SA4C-740-U-RW**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481298  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-740-U-RW  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

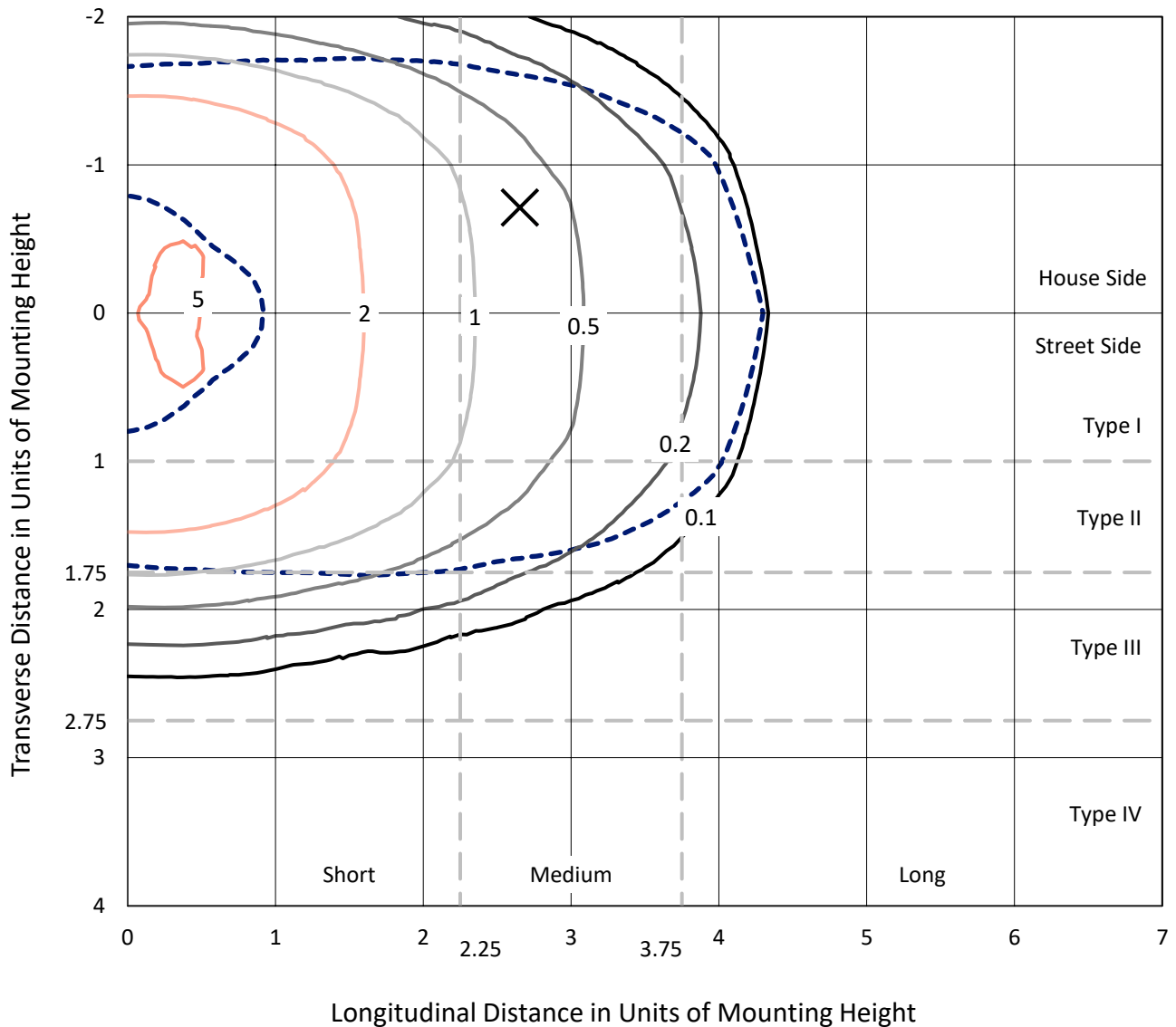
Lumens per Lamp: N/A  
Luminaire Lumens: 29285.4 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 218.1  
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: P481298  
 CATALOG NUMBER: IFLD-M-SA4C-740-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

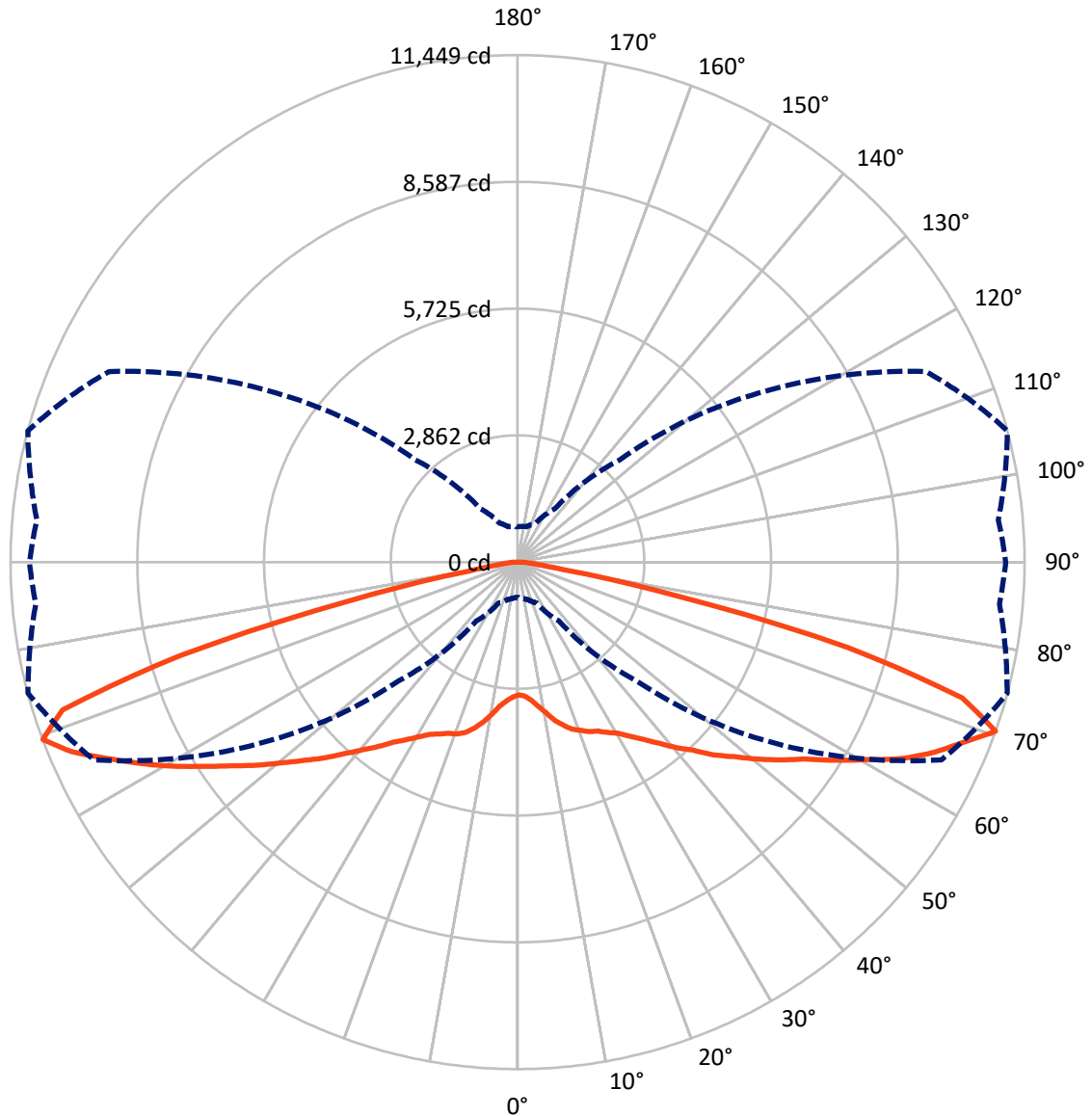
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P481298  
CATALOG NUMBER: IFLD-M-SA4C-740-U-RW

### Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P481298  
 CATALOG NUMBER: IFLD-M-SA4C-740-U-RW

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14538.5	0.0	14538.5
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	14746.9	0.0	14746.9
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	29285.4	0.0	29285.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.5	1.0
10°-20°	1016.3	3.5
20°-30°	1967.9	6.7
30°-40°	3328.5	11.4
40°-50°	5310.0	18.1
50°-60°	7268.3	24.8
60°-70°	6850.8	23.4
70°-80°	3018.0	10.3
80°-90°	227.1	0.8
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°	29285.4	100.0
0°-180°	29285.4	100.0

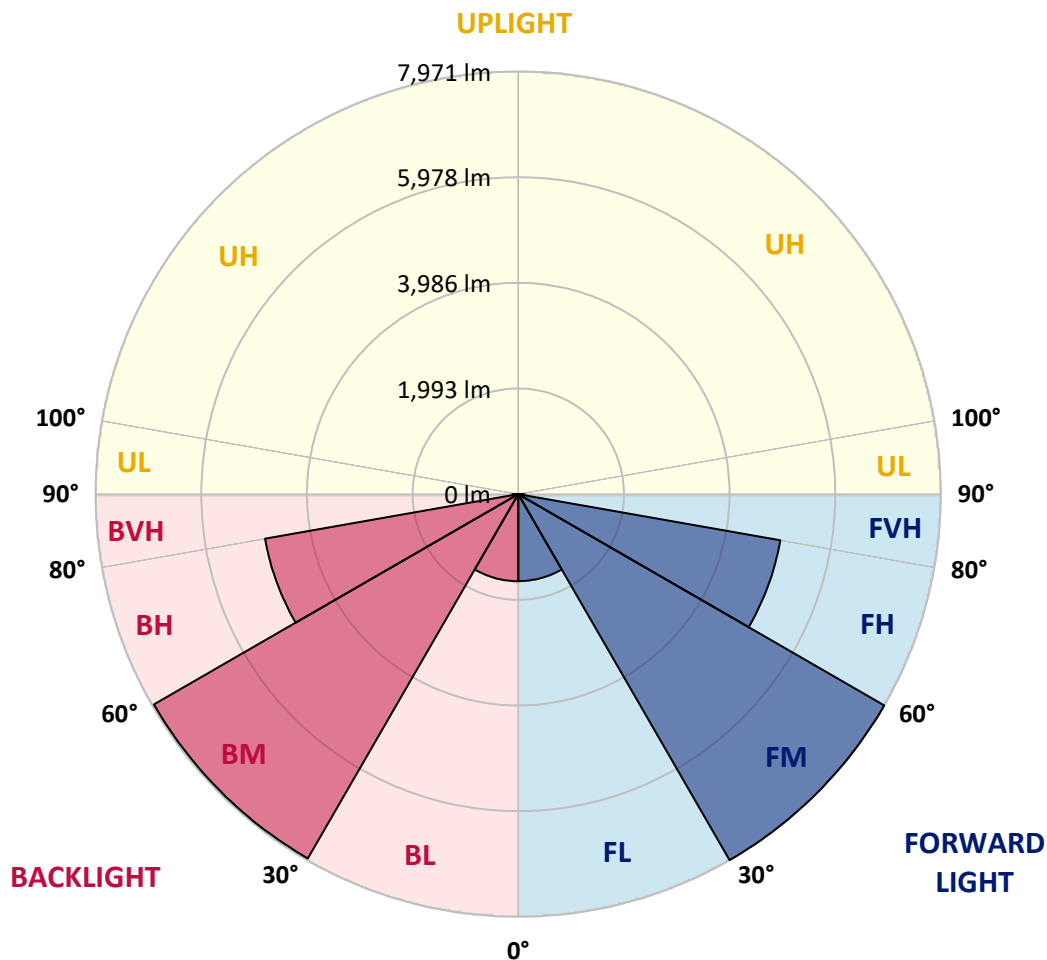


REPORT NUMBER: P481298  
 CATALOG NUMBER: IFLD-M-SA4C-740-U-RW

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.5	5.6			
FM (30°-60°)	7971.2	27.2			
FH (60°-80°)	5019.2	17.1			G3/7500
FVH (80°-90°)	116.0	0.4			G2/225
BL (0°-30°)	1642.2	5.6	B3/2500		
BM (30°-60°)	7935.6	27.1	B4/8500		
BH (60°-80°)	4849.6	16.6	B4/5000		G4/5000
BVH (80°-90°)	111.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Short





REPORT NUMBER: P481298  
 CATALOG NUMBER: IFLD-M-SA4C-740-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8
2.5°	2979.9	2979.9	2976.7	2992.5	3008.3	3014.6	3027.2	3030.4	3049.3	3033.5	3065.1
5°	2970.4	2967.2	2992.5	3030.4	3030.4	3071.4	3096.7	3131.4	3140.8	3159.8	3166.1
7.5°	3036.7	3030.4	3017.7	3058.8	3093.5	3156.6	3191.4	3251.3	3273.4	3298.7	3327.1
10°	3077.7	3077.7	3065.1	3137.7	3169.3	3254.5	3330.2	3390.2	3475.4	3503.9	3507.0
12.5°	3084.0	3093.5	3131.4	3226.1	3314.5	3424.9	3481.8	3595.4	3680.6	3734.3	3753.2
15°	3178.7	3159.8	3200.8	3330.2	3459.7	3557.5	3658.5	3740.6	3863.7	3933.2	3977.4
17.5°	3264.0	3245.0	3320.8	3475.4	3608.0	3759.5	3847.9	3936.3	4024.7	4087.8	4091.0
20°	3399.7	3415.5	3481.8	3649.1	3822.7	3955.3	4056.3	4072.1	4116.2	4207.8	4192.0
22.5°	3567.0	3554.4	3693.3	3876.3	4065.7	4176.2	4233.0	4192.0	4169.9	4267.8	4289.9
25°	3734.3	3772.2	3898.4	4068.9	4296.2	4444.5	4460.3	4346.7	4264.6	4299.3	4289.9
27.5°	3990.0	3996.3	4128.9	4330.9	4561.3	4690.7	4681.3	4520.3	4362.5	4365.6	4371.9
30°	4318.3	4286.7	4431.9	4615.0	4842.3	4959.1	4974.8	4744.4	4532.9	4469.8	4485.6
32.5°	4633.9	4671.8	4798.1	5006.4	5173.7	5240.0	5205.3	5000.1	4725.5	4640.2	4649.7
35°	5038.0	5031.7	5205.3	5382.1	5508.3	5520.9	5492.5	5192.7	4933.8	4823.3	4779.1
37.5°	5470.4	5527.3	5640.9	5786.1	5918.7	5925.0	5770.3	5530.4	5211.6	5028.5	5082.2
40°	5953.4	6016.5	6098.6	6310.1	6408.0	6306.9	6149.1	5824.0	5492.5	5331.5	5356.8
42.5°	6379.5	6408.0	6575.3	6824.6	6872.0	6827.8	6594.2	6199.6	5814.5	5637.7	5650.4
45°	6771.0	6808.8	7026.7	7250.8	7361.3	7285.5	7014.0	6638.4	6190.1	6038.6	5978.7
47.5°	7130.8	7206.6	7418.1	7648.5	7819.0	7825.3	7490.7	7036.1	6562.6	6363.8	6360.6
50°	7373.9	7484.4	7692.7	7954.7	8204.1	8301.9	7967.3	7478.1	6969.8	6758.3	6736.2
52.5°	7506.5	7620.1	7828.4	8235.6	8513.4	8664.9	8507.1	7891.6	7446.5	7225.5	7190.8
55°	7345.5	7421.2	7762.1	8333.5	8762.8	9012.2	8908.0	8462.9	7920.0	7740.1	7771.6
57.5°	6660.5	6818.3	7238.1	7951.5	8756.5	9368.9	9359.4	9002.7	8466.1	8295.6	8301.9
60°	5483.1	5615.6	6133.3	7130.8	8402.9	9514.1	9848.7	9526.7	9078.5	8879.6	8873.3
62.5°	3870.0	4037.3	4637.1	5726.1	7361.3	9312.1	10410.6	10186.4	9678.2	9533.0	9586.7
65°	2165.4	2266.5	2822.0	3806.9	5609.3	8200.9	10511.6	10871.4	10287.5	10066.5	10076.0
67.5°	1158.5	1196.4	1455.2	1998.1	3431.3	6322.7	9492.0	11266.0	10947.2	10565.2	10505.3
70°	795.5	808.1	874.4	1022.7	1622.5	3781.6	7159.2	10562.1	11442.8	10921.9	11022.9
72.5°	672.4	666.0	681.8	697.6	849.1	1692.0	4201.5	8128.3	10802.0	10606.3	10568.4
75°	584.0	580.8	587.1	571.3	590.3	745.0	1859.3	5066.4	7907.4	8825.9	8968.0
77.5°	483.0	486.1	489.3	473.5	467.2	492.4	748.1	2225.4	3892.1	4296.2	4633.9
80°	366.2	372.5	397.7	382.0	356.7	359.9	441.9	745.0	1117.4	1013.3	1044.8
82.5°	249.4	252.5	306.2	287.3	268.3	243.1	284.1	385.1	435.6	331.4	290.4
85°	176.8	173.6	198.9	183.1	170.5	123.1	170.5	217.8	262.0	164.1	148.4
87.5°	41.0	41.0	82.1	66.3	63.1	50.5	66.3	85.2	113.6	72.6	66.3
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: P481298  
 CATALOG NUMBER: IFLD-M-SA4C-740-U-RW

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8	2998.8
2.5°	3055.6	3027.2	3027.2	3020.9	2995.6	2989.3	2967.2	2973.5	2957.8	2942.0
5°	3162.9	3125.1	3125.1	3071.4	3020.9	3014.6	2989.3	2989.3	2964.1	2970.4
7.5°	3311.3	3276.6	3219.8	3172.4	3103.0	3074.6	3027.2	3020.9	3014.6	3002.0
10°	3488.1	3443.9	3387.1	3289.2	3232.4	3178.7	3131.4	3065.1	3049.3	3052.5
12.5°	3728.0	3658.5	3535.4	3450.2	3377.6	3308.1	3238.7	3140.8	3118.7	3128.2
15°	3898.4	3810.1	3686.9	3655.4	3557.5	3472.3	3358.7	3248.2	3210.3	3200.8
17.5°	4037.3	3964.7	3892.1	3844.8	3765.9	3661.7	3503.9	3377.6	3292.4	3282.9
20°	4151.0	4056.3	4040.5	4068.9	3971.0	3901.6	3709.0	3554.4	3440.7	3393.4
22.5°	4220.4	4160.4	4204.6	4229.9	4223.6	4106.8	3907.9	3728.0	3585.9	3541.7
25°	4296.2	4226.7	4384.6	4469.8	4491.9	4299.3	4144.7	3907.9	3769.0	3740.6
27.5°	4334.1	4359.3	4542.4	4722.3	4706.5	4558.2	4349.8	4138.3	4027.9	3977.4
30°	4444.5	4485.6	4763.4	4965.4	4968.5	4823.3	4665.5	4425.6	4302.5	4280.4
32.5°	4643.4	4693.9	4990.6	5205.3	5243.2	5132.7	4974.8	4826.5	4700.2	4649.7
35°	4794.9	4924.3	5258.9	5454.7	5555.7	5489.4	5401.0	5246.3	5113.7	5069.5
37.5°	5012.7	5192.7	5514.6	5779.8	5893.4	5887.1	5820.8	5653.5	5543.0	5505.2
40°	5325.2	5505.2	5798.7	6149.1	6360.6	6351.1	6313.3	6183.8	6019.7	6000.8
42.5°	5656.7	5805.0	6187.0	6587.9	6890.9	6859.4	6758.3	6606.8	6493.2	6467.9
45°	5978.7	6209.1	6562.6	7077.2	7304.4	7383.4	7263.4	7004.6	6875.1	6859.4
47.5°	6382.7	6565.8	7007.7	7468.6	7806.3	7819.0	7613.8	7373.9	7137.1	7187.6
50°	6742.6	6985.6	7433.9	7938.9	8343.0	8197.8	7935.8	7635.9	7465.4	7399.1
52.5°	7127.7	7424.4	7945.2	8459.8	8683.9	8538.7	8112.5	7777.9	7519.1	7490.7
55°	7689.5	7844.2	8526.1	8920.6	8993.2	8687.0	8058.9	7585.4	7250.8	7168.7
57.5°	8260.9	8440.8	9037.4	9378.3	9302.6	8605.0	7711.6	6979.3	6540.5	6423.7
60°	8838.6	9059.5	9561.4	9873.9	9482.5	8039.9	6729.9	5786.1	5274.7	5170.6
62.5°	9482.5	9769.8	10218.0	10328.5	8949.0	6922.5	5341.0	4176.2	3658.5	3484.9
65°	10053.9	10347.4	10899.8	10233.8	7815.8	5164.2	3453.4	2386.4	2004.5	1865.6
67.5°	10524.2	10855.6	11127.1	9056.4	5723.0	3024.1	1799.3	1256.3	1114.3	1063.8
70°	10896.7	11449.1	10180.1	6657.3	3270.3	1474.1	972.2	827.0	808.1	795.5
72.5°	10571.5	10498.9	7601.2	3841.6	1433.1	811.3	703.9	681.8	678.7	681.8
75°	8646.0	7711.6	4545.5	1669.9	719.7	587.1	584.0	574.5	590.3	590.3
77.5°	4195.2	3668.0	1900.3	716.6	473.5	460.9	476.7	476.7	476.7	476.7
80°	972.2	1076.4	678.7	435.6	344.1	344.1	378.8	382.0	366.2	359.9
82.5°	331.4	441.9	372.5	274.6	227.3	255.7	287.3	293.6	243.1	246.2
85°	164.1	258.8	202.0	157.8	116.8	157.8	186.2	195.7	167.3	161.0
87.5°	75.8	113.6	75.8	53.7	41.0	56.8	53.7	44.2	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)