

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: P483556

Luminaire Tested: **IFLD-S-SA6D-730-U-T4W-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483556
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-730-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

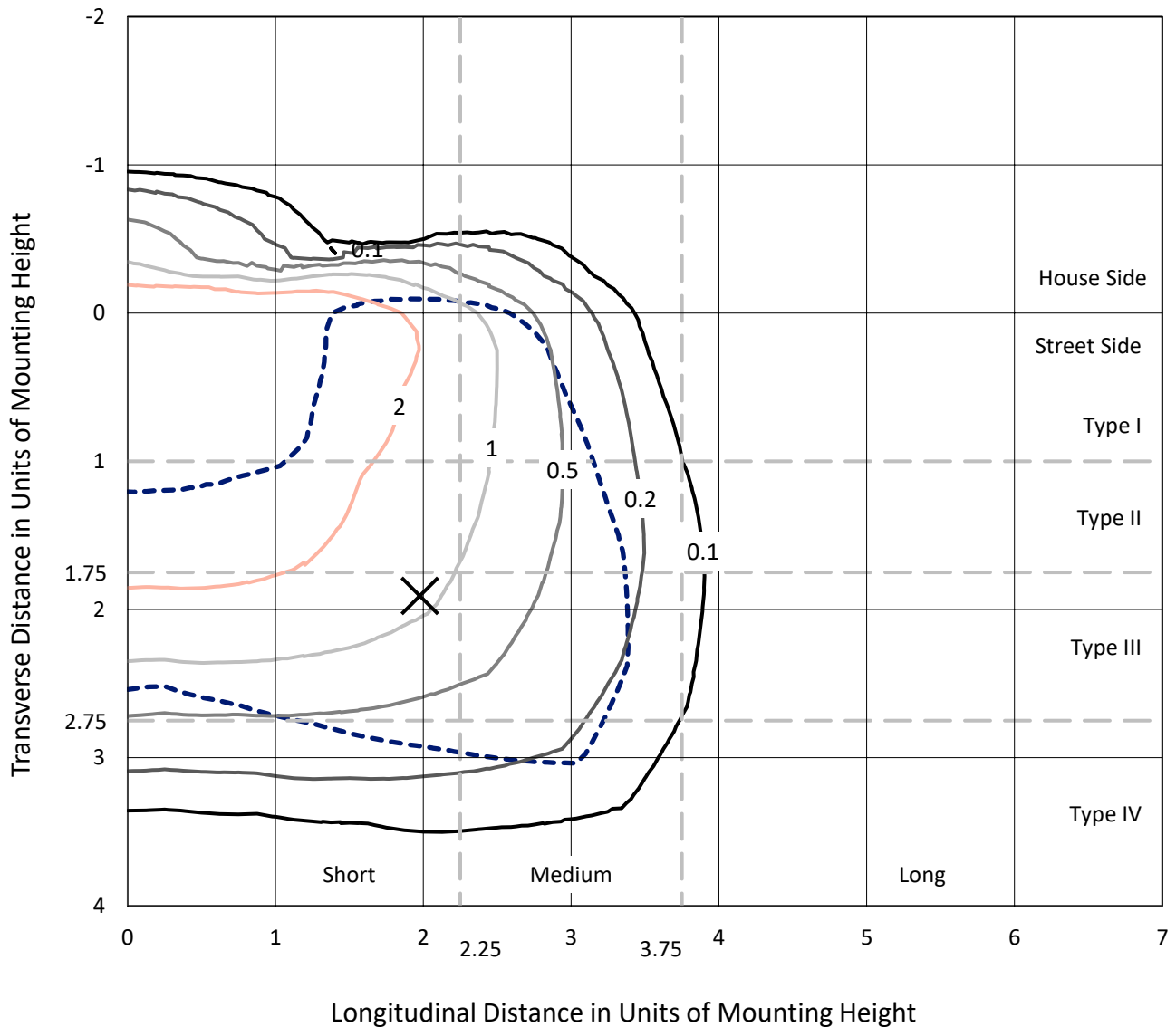
Lumens per Lamp: N/A
Luminaire Lumens: 30719.3 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 368.2
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: P483556
 CATALOG NUMBER: IFLD-S-SA6D-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

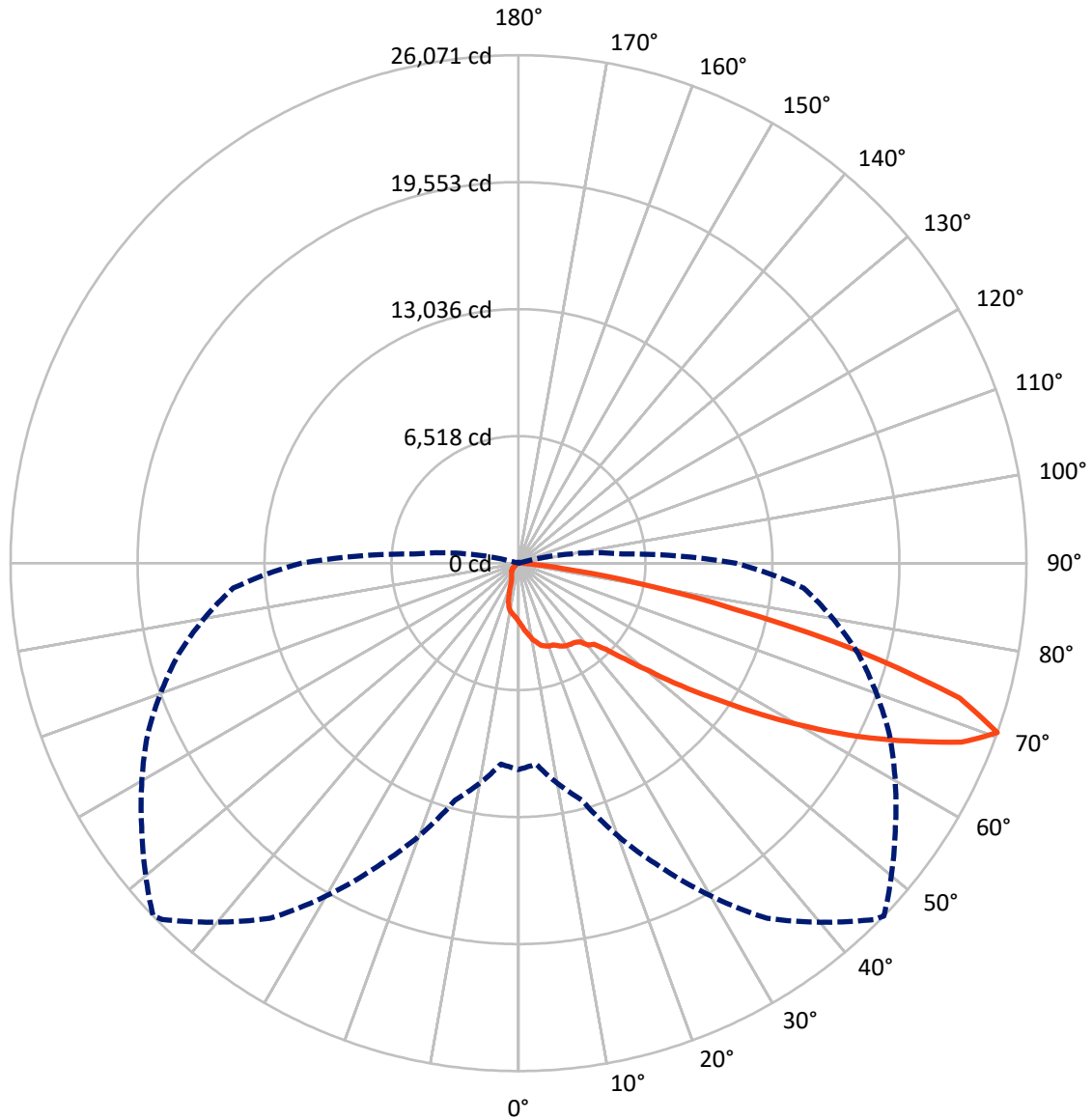
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P483556
CATALOG NUMBER: IFLD-S-SA6D-730-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483556
 CATALOG NUMBER: IFLD-S-SA6D-730-U-T4W-HSS

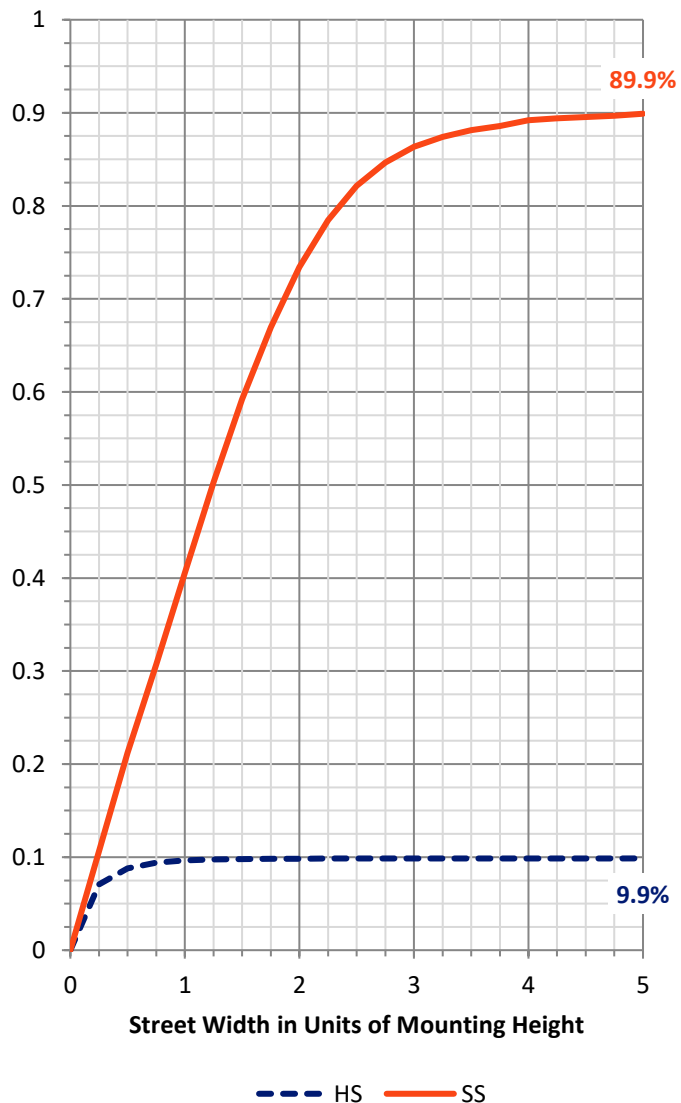
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3056.6	0.0	3056.6
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	27662.6	0.0	27662.6
	% Fixture	90.0	0.0	90.0
Total	Lumens	30719.3	0.0	30719.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.7	1.0
10°-20°	908.1	3.0
20°-30°	1454.5	4.7
30°-40°	2076.2	6.8
40°-50°	3585.0	11.7
50°-60°	6863.8	22.3
60°-70°	10164.2	33.1
70°-80°	5034.2	16.4
80°-90°	332.6	1.1
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°	30719.3	100.0
0°-180°	30719.3	100.0

Coefficient of Utilization

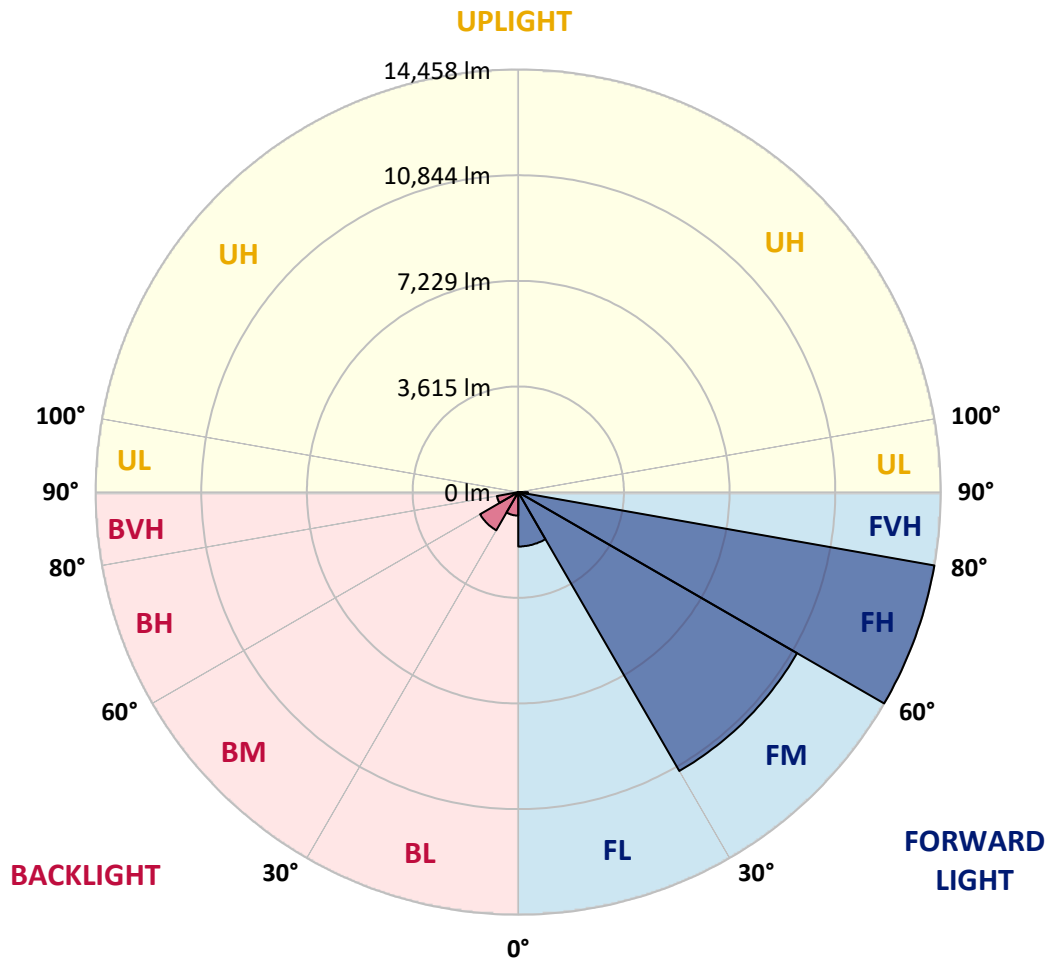


REPORT NUMBER: P483556
 CATALOG NUMBER: IFLD-S-SA6D-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1860.3	6.1			
FM (30°-60°)	11015.9	35.9			
FH (60°-80°)	14458.1	47.1			G5
FVH (80°-90°)	328.4	1.1			G3/500
BL (0°-30°)	803.0	2.6	B2/1000		
BM (30°-60°)	1509.1	4.9	B2/2500		
BH (60°-80°)	740.3	2.4	B2/1000		G2/1000
BVH (80°-90°)	4.2	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





REPORT NUMBER: P483556

CATALOG NUMBER: IFLD-S-SA6D-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7
2.5°	3365.0	3342.9	3307.5	3294.3	3258.9	3241.2	3214.7	3201.4	3152.8	3104.1	3073.2
5°	3776.2	3723.2	3740.9	3687.8	3572.8	3480.0	3475.5	3373.8	3263.3	3174.9	3055.5
7.5°	4191.9	4147.7	4081.3	4006.2	3877.9	3740.9	3701.1	3603.8	3449.0	3294.3	3135.1
10°	4505.8	4474.9	4417.4	4311.3	4134.4	3979.6	3984.1	3820.4	3656.8	3480.0	3263.3
12.5°	4700.4	4713.7	4629.6	4523.5	4368.8	4174.2	4169.8	4059.2	3873.5	3687.8	3431.3
15°	4894.9	4943.6	4815.4	4691.5	4492.6	4351.1	4377.6	4244.9	4063.6	3851.4	3568.4
17.5°	4925.9	4939.2	4912.6	4731.3	4585.4	4466.0	4470.5	4382.0	4244.9	4015.0	3771.8
20°	4872.8	4864.0	4833.0	4700.4	4603.1	4532.4	4536.8	4514.7	4439.5	4253.8	3922.1
22.5°	4718.1	4718.1	4678.3	4589.8	4545.6	4612.0	4558.9	4642.9	4563.3	4452.8	4178.6
25°	4594.3	4642.9	4620.8	4563.3	4581.0	4669.4	4696.0	4775.6	4762.3	4625.2	4355.5
27.5°	4726.9	4669.4	4682.7	4616.4	4682.7	4815.4	4828.6	4886.1	4881.7	4771.1	4514.7
30°	4815.4	4868.4	4766.7	4620.8	4691.5	4917.1	4908.2	4983.4	5018.8	4886.1	4665.0
32.5°	5098.4	5054.1	4970.1	4775.6	4784.4	4912.6	4952.4	5049.7	5071.8	4992.2	4810.9
35°	5677.6	5611.3	5244.3	4952.4	4908.2	4970.1	4996.6	5186.8	5226.6	5138.1	4965.7
37.5°	6570.8	6420.5	5978.3	5332.7	5133.7	5120.5	5120.5	5372.5	5522.8	5319.4	5195.6
40°	7848.7	7636.5	7158.9	6035.8	5430.0	5483.0	5536.1	5673.2	5655.5	5522.8	5496.3
42.5°	9475.9	9312.3	8795.0	7216.4	5996.0	5730.7	5686.5	5872.2	6150.7	6097.7	6080.0
45°	10833.4	10842.3	10510.6	8834.8	6973.2	6301.1	6332.0	6473.5	6942.2	6902.4	6898.0
47.5°	11823.9	11700.1	11651.5	10395.7	8397.0	7384.4	7340.2	7437.5	8047.7	8299.7	8414.7
50°	12726.0	12642.0	12527.0	11912.4	10108.3	8741.9	8697.7	8706.5	9639.6	9993.3	10276.3
52.5°	13844.7	13950.8	13570.5	13194.7	12323.6	10506.2	10457.6	10285.1	11443.7	11930.1	12266.1
55°	15224.3	15025.3	14596.4	14791.0	14441.6	12412.0	12323.6	12120.2	13499.8	13703.2	14056.9
57.5°	15529.4	15379.1	15821.2	16511.0	16847.1	14649.5	14614.1	14247.1	15228.7	15043.0	16042.3
60°	16290.0	16329.8	16944.4	18315.1	18898.8	17231.8	17059.4	16413.8	16904.6	16940.0	18005.6
62.5°	17072.6	16979.8	18354.9	19672.6	20570.3	19677.1	19619.6	18337.3	18894.4	18443.4	19853.9
65°	16497.8	16639.3	18607.0	20813.5	22737.0	22069.3	22020.6	20190.0	20495.1	19933.5	20605.6
67.5°	14454.9	14167.5	16922.3	20291.7	23851.3	24576.4	24523.4	22210.8	21397.2	19924.7	19044.7
70°	10594.7	10347.0	12593.3	17183.2	22255.0	25858.8	26071.0	23616.9	21030.1	18067.5	14693.7
72.5°	5191.2	5195.6	7057.2	11651.5	17607.7	23568.3	23674.4	21653.6	18067.5	13318.5	8321.9
75°	1534.4	1552.1	2613.3	5713.0	11381.7	17899.5	18018.9	16435.9	12522.6	6880.3	2838.8
77.5°	561.6	561.6	866.7	2144.6	5677.6	11297.7	11288.9	10090.6	6340.9	2330.3	663.3
80°	291.8	305.1	451.0	875.5	2458.5	5885.4	6106.5	4939.2	2409.9	981.6	194.6
82.5°	119.4	132.7	247.6	451.0	1180.6	2065.0	2259.5	1936.8	1048.0	685.4	88.4
85°	35.4	39.8	119.4	252.0	464.3	517.4	574.8	650.0	658.9	530.6	39.8
87.5°	4.4	4.4	48.6	84.0	101.7	110.5	128.2	128.2	336.1	371.4	22.1
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: P483556

CATALOG NUMBER: IFLD-S-SA6D-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7
2.5°	3037.8	3015.7	2980.3	2900.7	2883.0	2825.5	2821.1	2768.1	2785.7	2750.4	2737.1
5°	3015.7	2967.0	2869.8	2807.9	2745.9	2706.1	2679.6	2657.5	2653.1	2635.4	2626.6
7.5°	3055.5	2989.1	2838.8	2741.5	2635.4	2600.0	2542.5	2538.1	2507.2	2476.2	2476.2
10°	3188.1	3068.7	2905.1	2741.5	2604.4	2489.5	2356.8	2259.5	2224.2	2144.6	2153.4
12.5°	3294.3	3188.1	2949.3	2781.3	2573.5	2312.6	2020.8	1795.3	1689.1	1587.4	1627.2
15°	3444.6	3289.8	3033.4	2790.2	2454.1	2003.1	1525.5	1273.5	1176.2	1154.1	1149.7
17.5°	3608.2	3444.6	3139.5	2768.1	2210.9	1547.6	1123.1	977.2	994.9	1021.4	1017.0
20°	3789.5	3590.5	3219.1	2692.9	1826.2	1123.1	919.7	915.3	941.8	981.6	990.5
22.5°	3979.6	3807.2	3316.4	2467.4	1361.9	902.0	884.4	884.4	902.0	950.7	941.8
25°	4191.9	3961.9	3365.0	2118.0	977.2	831.3	840.1	857.8	866.7	906.5	910.9
27.5°	4355.5	4134.4	3378.3	1698.0	795.9	769.4	791.5	813.6	826.9	857.8	871.1
30°	4505.8	4351.1	3307.5	1264.6	729.6	716.3	725.2	756.1	782.7	809.2	809.2
32.5°	4696.0	4474.9	3143.9	897.6	689.8	667.7	663.3	676.5	707.5	738.4	738.4
35°	4890.5	4682.7	2883.0	720.8	654.4	623.5	605.8	592.5	605.8	627.9	645.6
37.5°	5173.5	4996.6	2555.8	663.3	627.9	583.7	548.3	517.4	495.2	490.8	504.1
40°	5575.9	5350.4	2135.7	623.5	596.9	543.9	490.8	437.8	389.1	358.2	362.6
42.5°	6186.1	5872.2	1680.3	601.4	574.8	499.7	424.5	349.3	287.4	256.5	256.5
45°	7057.2	6562.0	1233.7	579.3	548.3	446.6	349.3	260.9	199.0	181.3	185.7
47.5°	8370.5	7393.3	884.4	543.9	512.9	389.1	274.2	185.7	145.9	137.1	141.5
50°	10086.2	8379.3	689.8	504.1	468.7	327.2	203.4	137.1	115.0	110.5	115.0
52.5°	11885.8	9374.2	605.8	468.7	402.4	260.9	150.3	110.5	97.3	92.9	97.3
55°	13424.6	10015.4	526.2	415.7	322.8	194.6	119.4	97.3	84.0	70.7	70.7
57.5°	14981.1	10338.2	415.7	344.9	238.8	145.9	101.7	84.0	70.7	57.5	53.1
60°	16245.7	10568.1	296.3	256.5	168.0	115.0	88.4	75.2	57.5	44.2	39.8
62.5°	17077.0	9909.3	216.7	194.6	123.8	97.3	75.2	61.9	44.2	31.0	31.0
65°	16665.8	8998.4	168.0	137.1	92.9	75.2	61.9	44.2	31.0	17.7	13.3
67.5°	14954.6	7331.4	137.1	101.7	70.7	57.5	48.6	35.4	17.7	4.4	4.4
70°	11156.2	5372.5	110.5	75.2	57.5	44.2	35.4	22.1	8.8	4.4	0.0
72.5°	6102.1	2940.5	88.4	61.9	44.2	35.4	26.5	17.7	8.8	0.0	0.0
75°	2016.3	782.7	66.3	44.2	26.5	22.1	17.7	13.3	4.4	0.0	0.0
77.5°	486.4	203.4	53.1	39.8	22.1	13.3	8.8	4.4	4.4	0.0	0.0
80°	150.3	84.0	39.8	26.5	17.7	13.3	4.4	0.0	0.0	0.0	0.0
82.5°	61.9	39.8	17.7	17.7	13.3	4.4	0.0	0.0	0.0	0.0	0.0
85°	31.0	22.1	13.3	8.8	8.8	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	22.1	8.8	4.4	4.4	0.0	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)