

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: P482969

Luminaire Tested: **IFLD-S-SA6B-827-U-T3R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482969
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-827-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (96) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

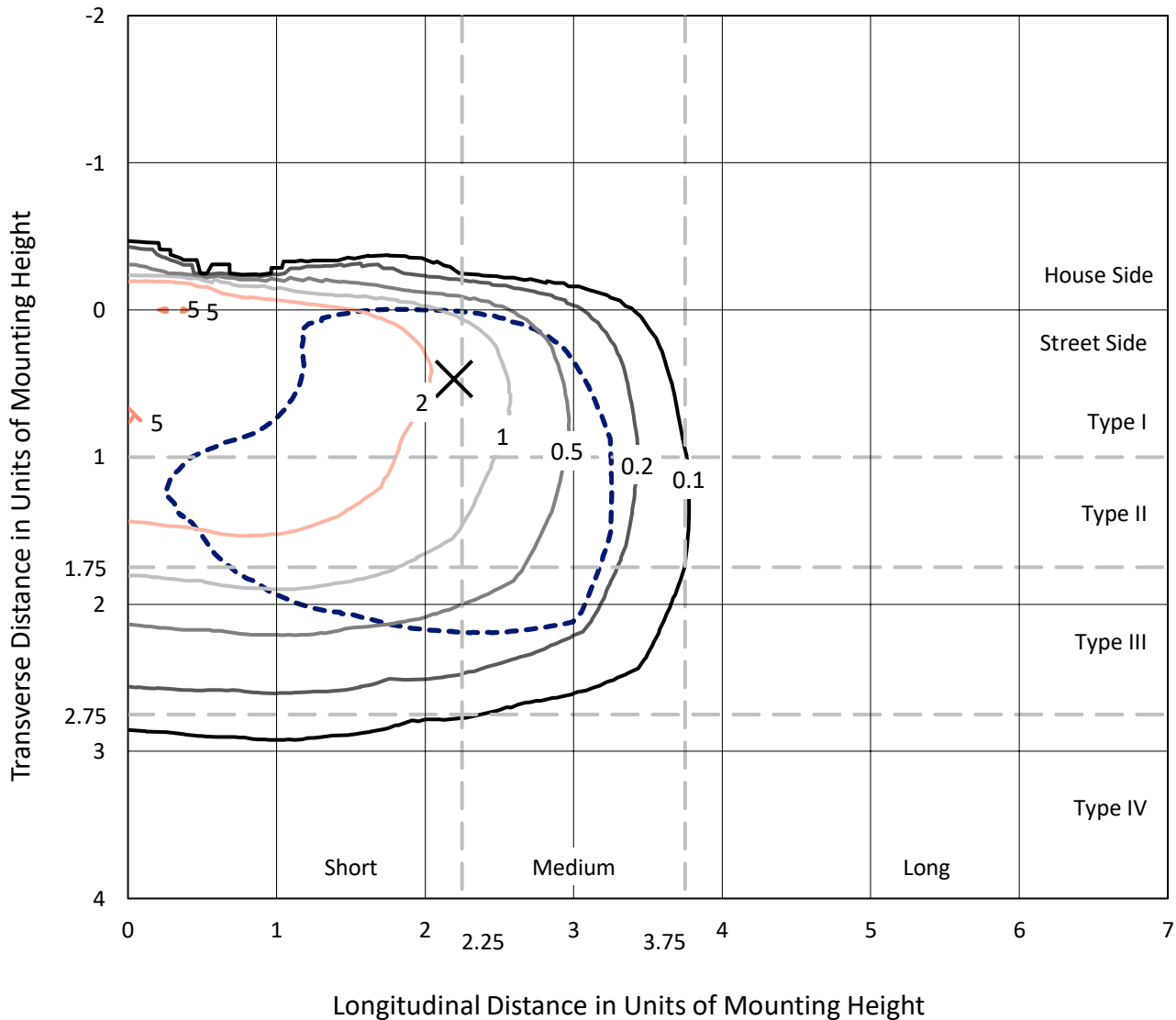
Lumens per Lamp: N/A
Luminaire Lumens: 17588.9 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

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

REPORT NUMBER: P482969
 CATALOG NUMBER: IFLD-S-SA6B-827-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

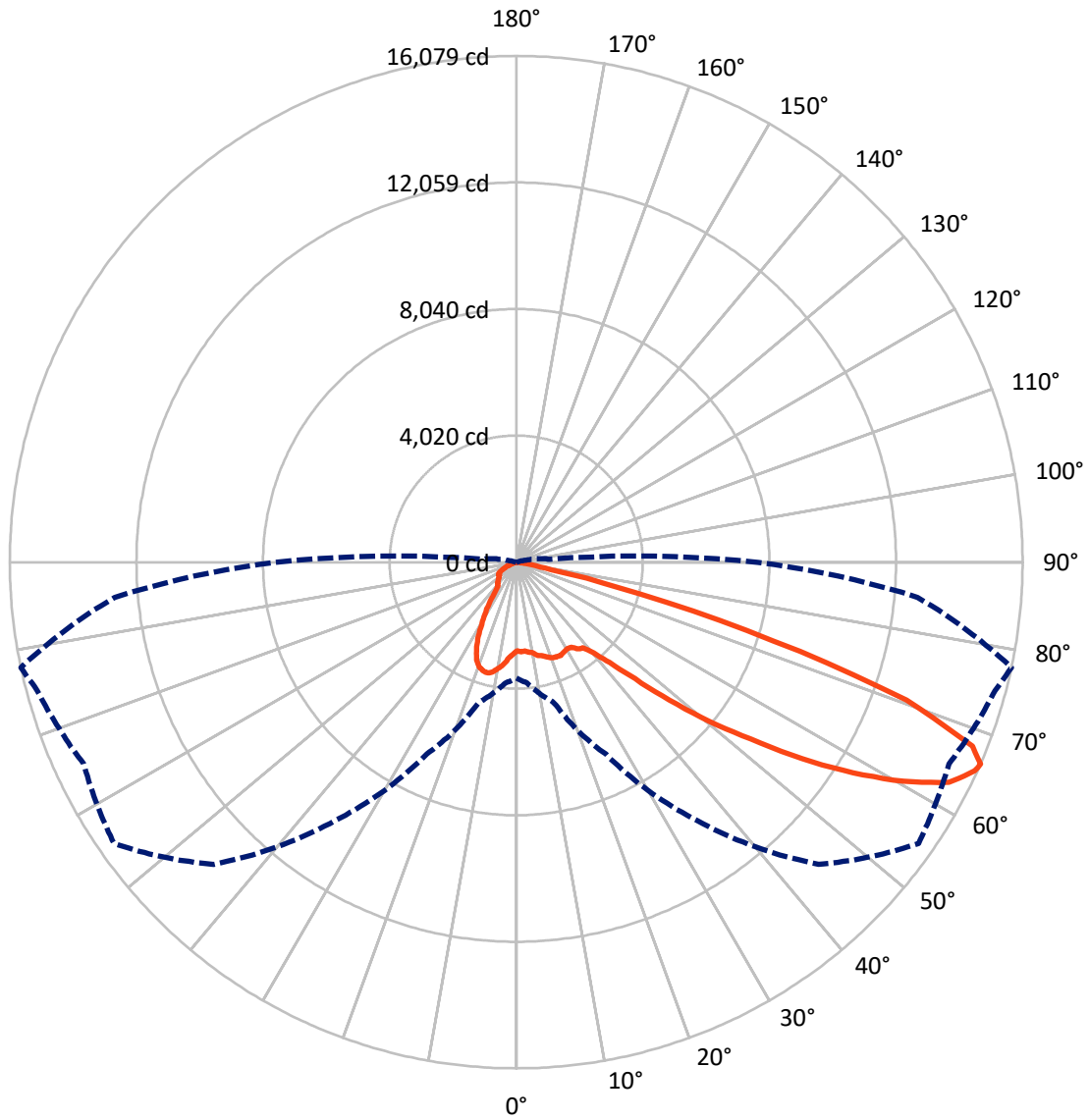
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P482969
CATALOG NUMBER: IFLD-S-SA6B-827-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P482969
 CATALOG NUMBER: IFLD-S-SA6B-827-U-T3R-HSS

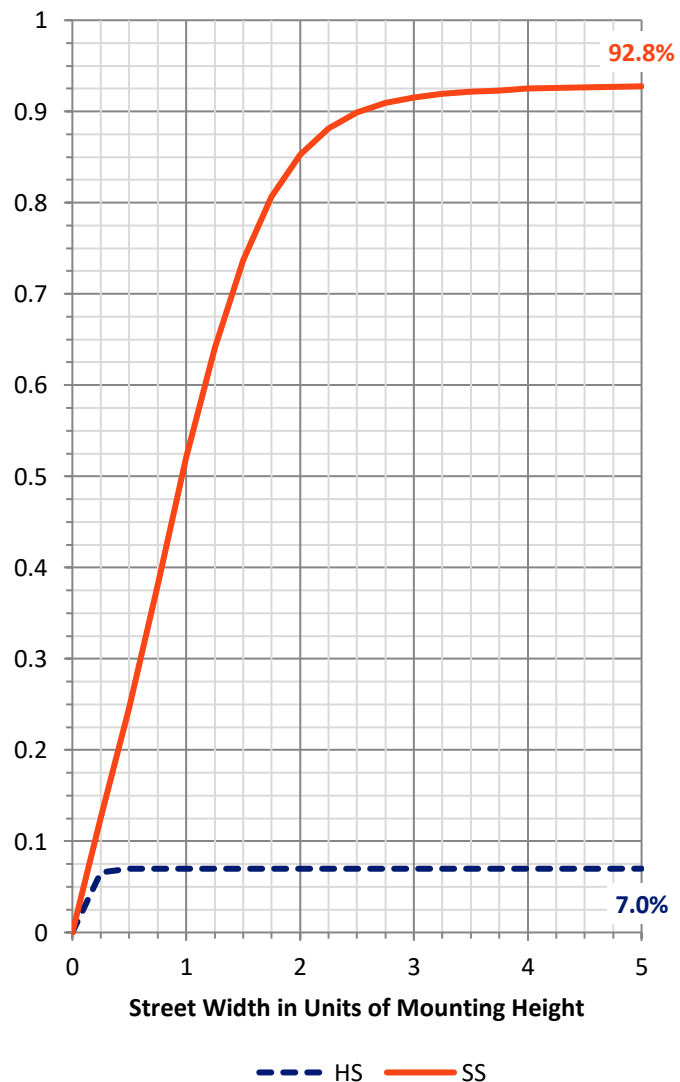
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1236.6	0.0	1236.6
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	16352.3	0.0	16352.3
	% Fixture	93.0	0.0	93.0
Total	Lumens	17588.9	0.0	17588.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.7	1.5
10°-20°	581.8	3.3
20°-30°	831.6	4.7
30°-40°	1423.4	8.1
40°-50°	2569.1	14.6
50°-60°	4393.5	25.0
60°-70°	5407.6	30.7
70°-80°	2044.4	11.6
80°-90°	79.9	0.5
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°	17588.9	100.0
0°-180°	17588.9	100.0

Coefficient of Utilization

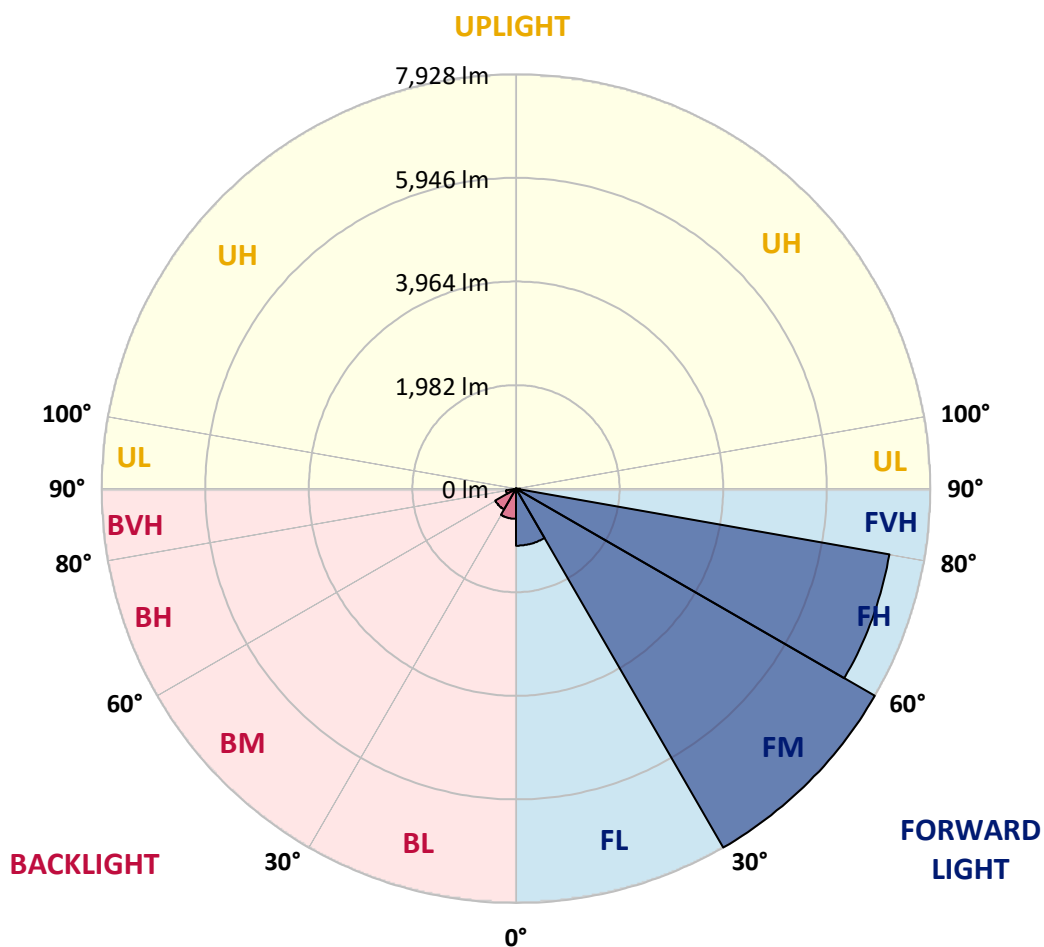


REPORT NUMBER: P482969
 CATALOG NUMBER: IFLD-S-SA6B-827-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1091.9	6.2			
FM (30°-60°)	7927.7	45.1			
FH (60°-80°)	7256.1	41.3			G3/7500
FVH (80°-90°)	76.7	0.4			G1/100
BL (0°-30°)	579.1	3.3	B2/1000		
BM (30°-60°)	458.3	2.6	B1/1000		
BH (60°-80°)	195.9	1.1	B1/500		G1/500
BVH (80°-90°)	3.2	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-G3
 Type III Short





REPORT NUMBER: P482969

CATALOG NUMBER: IFLD-S-SA6B-827-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2
2.5°	2591.3	2567.3	2591.3	2625.8	2644.4	2660.4	2716.2	2764.0	2814.5	2849.1	2838.4
5°	2402.6	2447.7	2453.1	2463.7	2492.9	2588.6	2620.5	2702.9	2827.8	2838.4	2886.3
7.5°	2253.7	2240.4	2275.0	2344.1	2418.5	2474.3	2567.3	2710.9	2841.1	2886.3	2979.3
10°	2038.5	2065.0	2102.2	2171.3	2261.7	2399.9	2564.7	2724.1	2910.2	2926.1	3098.9
12.5°	1921.5	1894.9	1953.4	2025.2	2179.3	2306.9	2508.9	2700.2	2952.7	3040.4	3239.7
15°	1825.8	1839.1	1894.9	1942.8	2070.4	2232.5	2469.0	2758.7	3024.5	3085.6	3388.6
17.5°	1786.0	1778.0	1820.5	1868.4	2025.2	2208.6	2453.1	2761.4	3088.3	3168.0	3489.6
20°	1804.6	1820.5	1807.2	1852.4	1950.8	2136.8	2477.0	2811.9	3136.1	3245.1	3598.5
22.5°	2096.9	2075.7	1969.4	1884.3	1889.6	2107.6	2458.4	2843.7	3178.6	3266.3	3672.9
25°	2859.7	2745.4	2482.3	2155.4	1940.1	2027.8	2437.1	2833.1	3170.6	3279.6	3718.1
27.5°	3627.8	3529.4	3271.6	2764.0	2144.8	1995.9	2362.7	2841.1	3130.8	3231.8	3643.7
30°	4438.4	4491.5	4108.8	3505.5	2681.6	2171.3	2314.9	2798.6	3104.2	3189.2	3659.7
32.5°	5270.2	5249.0	5017.7	4364.0	3449.7	2559.4	2391.9	2841.1	3138.8	3221.1	3752.7
35°	5921.4	5847.0	5613.1	5023.1	4084.9	3144.1	2657.7	3043.1	3290.2	3388.6	3885.6
37.5°	6243.0	6274.8	6139.3	5626.4	4781.2	3686.2	2989.9	3043.1	3338.1	3452.4	4100.8
40°	6492.8	6588.5	6538.0	6373.2	5472.2	4297.5	3356.7	3231.8	3579.9	3795.2	4504.8
42.5°	6793.1	6747.9	7045.6	6894.1	6375.8	5068.2	3999.8	3680.9	4151.3	4358.6	5110.8
45°	6952.6	7125.3	7351.2	7545.2	7213.0	6030.3	4839.7	4475.6	5025.7	5288.8	6011.7
47.5°	7361.8	7430.9	7797.7	8042.2	7893.4	7130.6	6115.4	5637.0	6126.0	6540.6	7042.9
50°	7601.0	7508.0	8021.0	8393.0	8478.1	8042.2	7258.2	6886.1	7433.6	7962.5	8007.7
52.5°	7391.1	7656.8	8169.8	8836.9	9073.4	8855.5	8600.3	8438.2	8823.6	9312.6	9094.7
55°	6654.9	6835.6	8084.7	9323.2	10086.0	9985.0	10221.5	10115.2	10503.3	11021.5	10365.1
57.5°	6062.2	6288.1	7385.8	9575.7	11029.5	11327.1	11624.8	11558.4	12026.1	12624.1	11441.4
60°	5692.8	5823.0	6880.8	9511.9	11587.6	12714.5	13386.9	12919.1	13681.9	14139.0	12283.9
62.5°	5052.3	5134.7	6144.6	8666.8	11755.0	13695.2	14835.3	14200.1	14861.9	15420.0	12889.9
65°	4050.3	4273.6	5108.1	7401.7	10649.4	13875.9	15738.9	14992.1	15632.6	15999.4	13073.3
66°	3686.2	3848.4	4613.8	6732.0	10019.5	13575.6	15587.4	15156.9	15744.2	16079.1	12791.5
67.5°	3059.0	3199.9	3808.5	5777.9	8730.6	12913.8	15693.8	15045.3	15829.3	15624.7	12414.1
70°	2025.2	2115.5	2604.6	3906.8	6080.8	10564.4	14556.3	14173.5	13915.7	13147.7	9705.9
72.5°	946.1	1076.4	1626.5	2368.0	3566.6	7391.1	11869.3	11356.4	9759.1	8531.2	6123.4
75°	427.9	486.4	893.0	1358.1	1599.9	3829.8	7656.8	6915.3	4858.3	4034.4	2681.6
77.5°	231.2	263.1	435.9	645.8	582.0	1342.1	3789.9	3152.0	1530.8	1121.6	778.7
80°	178.1	210.0	364.1	369.4	215.3	348.2	1408.6	975.4	382.7	289.7	186.0
82.5°	93.0	132.9	287.0	239.2	109.0	140.9	435.9	271.1	119.6	95.7	79.7
85°	37.2	58.5	162.1	159.5	63.8	47.8	122.3	82.4	47.8	39.9	37.2
87.5°	2.7	2.7	87.7	61.1	39.9	13.3	18.6	18.6	23.9	21.3	26.6
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: P482969
 CATALOG NUMBER: IFLD-S-SA6B-827-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2
2.5°	2886.3	2918.2	2923.5	3011.2	3029.8	3011.2	3059.0	3051.0	3072.3	3056.4	3027.1
5°	2952.7	2997.9	3085.6	3152.0	3152.0	3098.9	3056.4	3000.5	2918.2	2896.9	2881.0
7.5°	3067.0	3210.5	3290.2	3247.7	3162.7	2963.3	2686.9	2485.0	2314.9	2251.1	2221.8
10°	3269.0	3348.7	3441.7	3269.0	2915.5	2492.9	2027.8	1722.2	1483.0	1429.8	1390.0
12.5°	3399.2	3526.8	3579.9	3152.0	2458.4	1828.5	1323.5	978.0	810.6	683.0	661.8
15°	3569.3	3715.5	3606.5	2835.8	1937.5	1198.6	685.7	427.9	348.2	326.9	326.9
17.5°	3686.2	3845.7	3497.5	2442.4	1374.0	637.8	340.2	295.0	289.7	292.3	287.0
20°	3890.9	3986.6	3332.8	1985.3	821.2	326.9	273.7	263.1	257.8	265.8	260.5
22.5°	3968.0	4055.7	3064.3	1437.8	369.4	217.9	204.6	196.7	202.0	199.3	196.7
25°	3962.6	4007.8	2623.2	823.9	109.0	85.0	77.1	77.1	71.8	74.4	71.8
27.5°	4002.5	3890.9	2128.8	244.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	4023.8	3702.2	1514.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4034.4	3603.8	975.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	4116.8	3407.2	417.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4172.6	3154.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4403.8	3075.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4704.1	2926.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5121.4	2705.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5674.2	2575.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6086.1	2370.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6609.7	2248.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7231.6	2253.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	7797.7	2216.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	8087.4	1894.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	8026.3	1533.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	7813.7	1203.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	7667.5	1065.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	7223.6	853.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5748.6	584.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3657.0	358.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1685.0	164.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	528.9	101.0	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	138.2	63.8	21.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	71.8	45.2	18.6	8.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	45.2	18.6	8.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	39.9	10.6	5.3	5.3	2.7	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)