

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: P482316

Luminaire Tested: **IFLD-L-SA7B-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482316
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

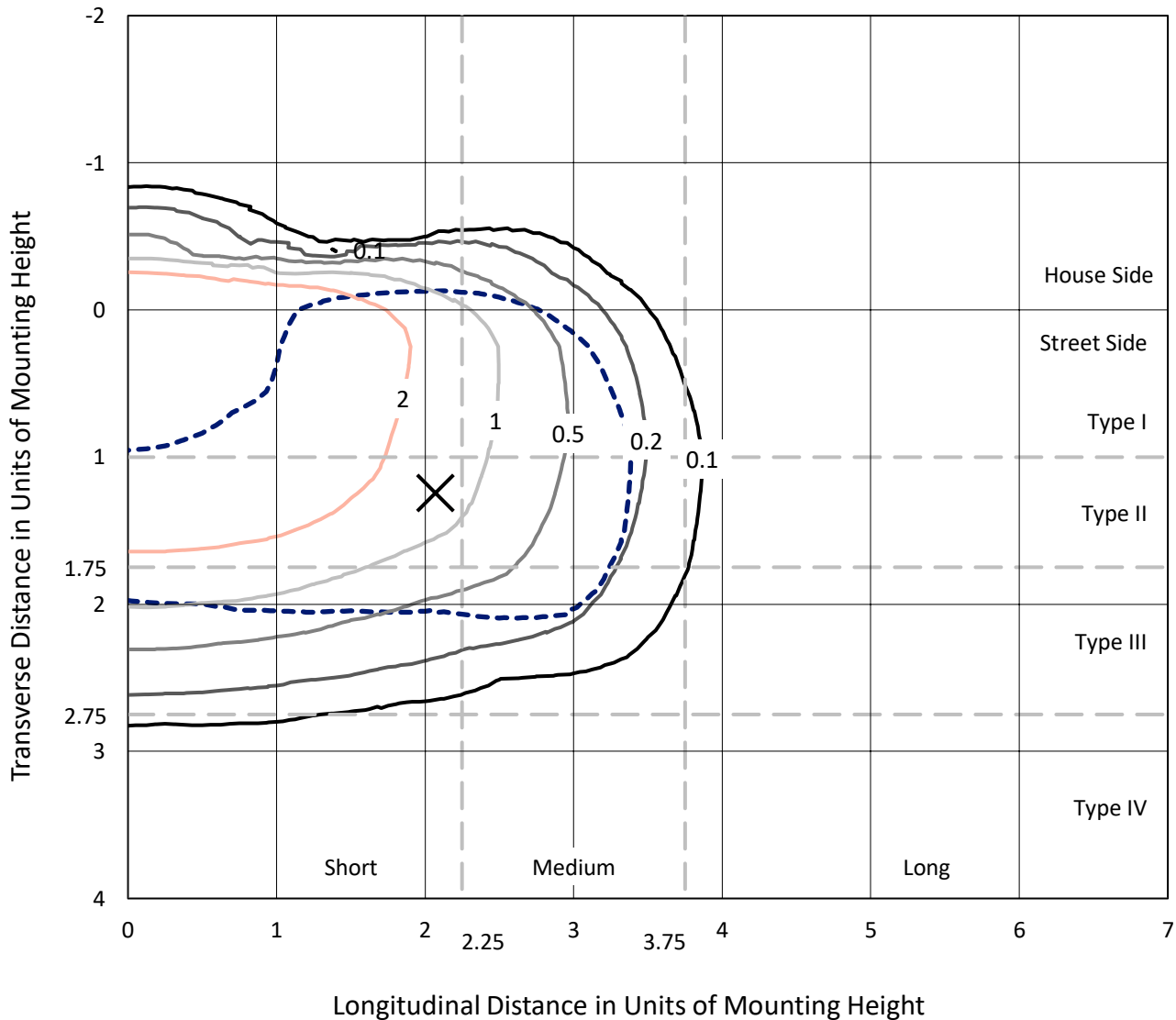
Lumens per Lamp: N/A
Luminaire Lumens: 19464.7 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 281
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

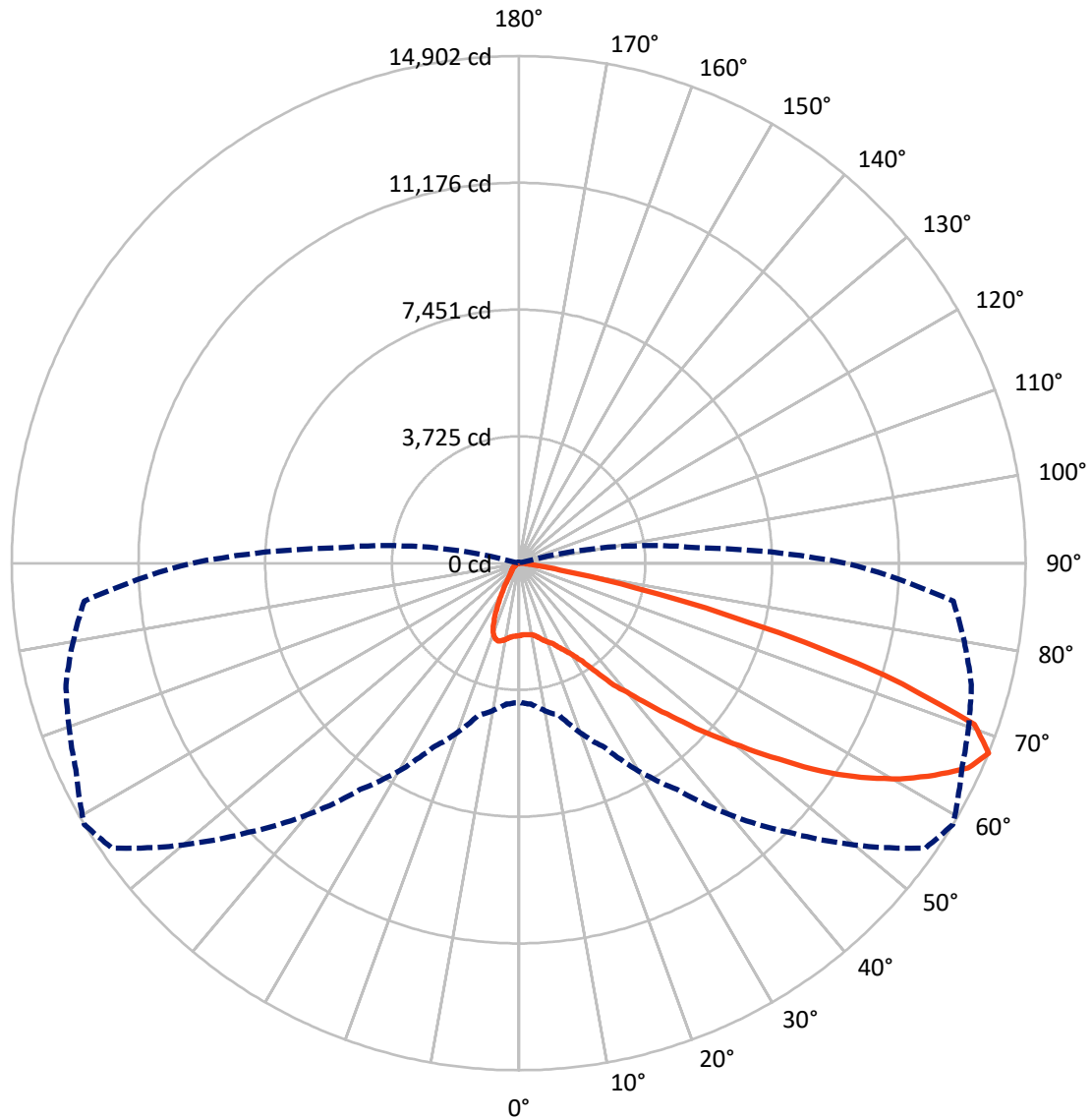
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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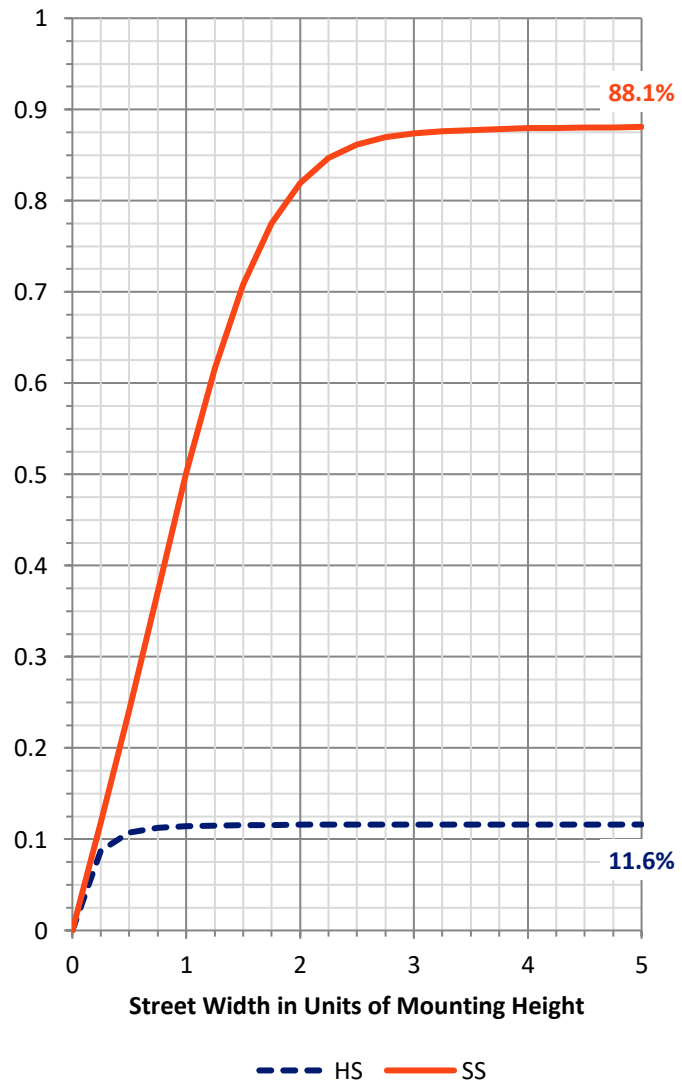
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2286.5	0.0	2286.5
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	17178.2	0.0	17178.2
	% Fixture	88.3	0.0	88.3
Total	Lumens	19464.7	0.0	19464.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	1.0
10°-20°	585.8	3.0
20°-30°	1023.8	5.3
30°-40°	1802.6	9.3
40°-50°	3186.4	16.4
50°-60°	5045.1	25.9
60°-70°	5596.4	28.8
70°-80°	1941.8	10.0
80°-90°	80.0	0.4
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°	19464.7	100.0
0°-180°	19464.7	100.0

Coefficient of Utilization

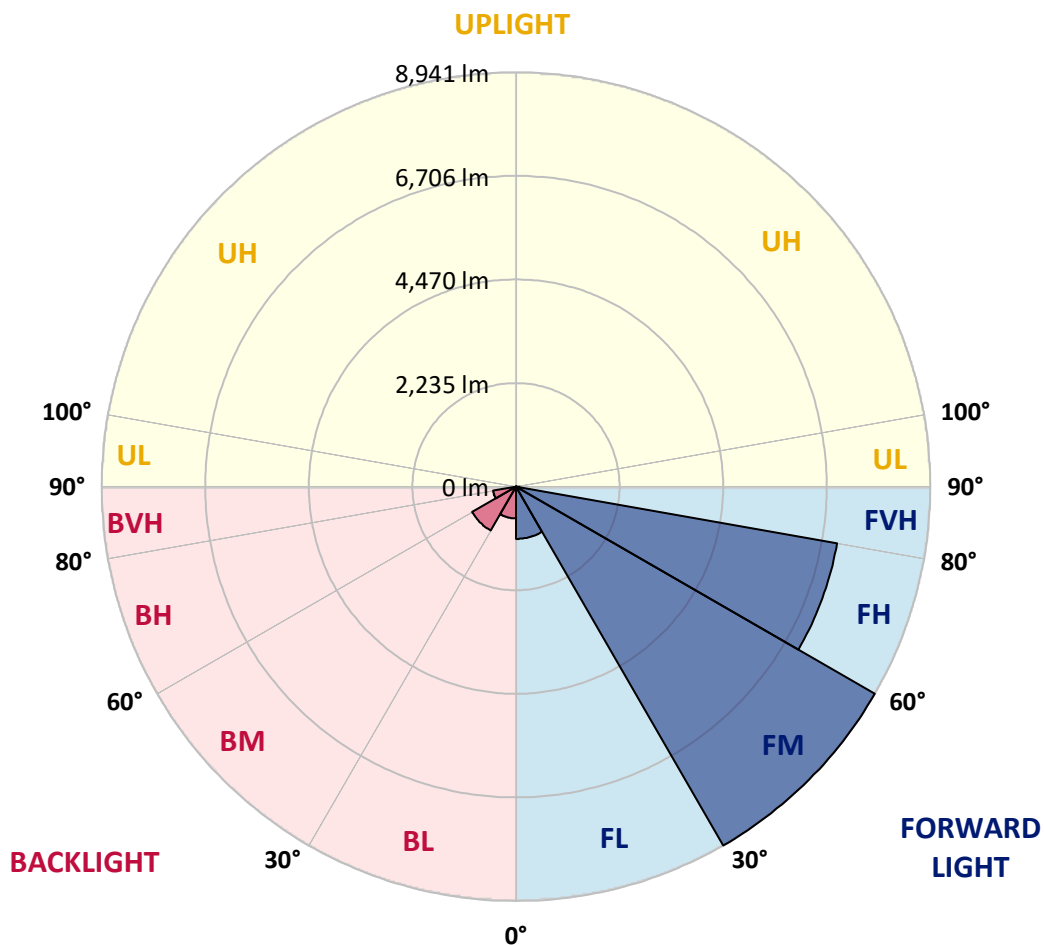


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.2	5.8			
FM (30°-60°)	8940.8	45.9			
FH (60°-80°)	7035.4	36.1			G3/7500
FVH (80°-90°)	74.8	0.4			G1/100
BL (0°-30°)	685.3	3.5	B2/1000		
BM (30°-60°)	1093.2	5.6	B2/2500		
BH (60°-80°)	502.8	2.6	B2/1000		G2/1000
BVH (80°-90°)	5.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9
2.5°	2073.1	2043.5	2070.4	2073.1	2075.8	2100.0	2126.9	2108.0	2105.3	2126.9	2145.7
5°	1989.7	1976.3	2008.6	2024.7	2051.6	2073.1	2116.1	2118.8	2121.5	2145.7	2177.9
7.5°	1954.8	1922.5	1960.2	1979.0	1997.8	2048.9	2100.0	2126.9	2164.5	2194.1	2226.3
10°	1884.9	1909.1	1919.8	1952.1	2005.9	2065.0	2126.9	2140.3	2223.7	2247.9	2325.8
12.5°	1909.1	1925.2	1946.7	1954.8	2013.9	2102.7	2186.0	2191.4	2277.4	2382.3	2422.6
15°	1970.9	1960.2	1968.2	1979.0	2048.9	2121.5	2255.9	2280.1	2360.8	2479.1	2578.6
17.5°	2102.7	2083.8	2070.4	2067.7	2083.8	2151.1	2309.7	2382.3	2457.6	2618.9	2670.0
20°	2433.4	2417.3	2363.5	2223.7	2175.3	2202.1	2374.2	2476.4	2581.3	2761.4	2844.8
22.5°	2936.2	2952.3	2826.0	2629.7	2428.0	2323.1	2476.4	2565.1	2731.8	2960.4	3035.7
25°	3530.4	3498.2	3344.9	3116.3	2799.1	2551.7	2640.4	2739.9	2944.3	3132.5	3162.1
27.5°	3995.6	3957.9	3839.6	3562.7	3288.4	2887.8	2855.5	2917.4	3159.4	3328.8	3296.5
30°	4455.4	4468.8	4388.2	4060.1	3721.3	3299.2	3094.8	3121.7	3307.3	3525.0	3452.4
32.5°	5041.5	5009.3	4963.6	4675.9	4275.2	3823.5	3474.0	3430.9	3511.6	3799.3	3713.3
35°	5587.4	5568.6	5506.7	5216.3	4866.8	4374.7	4033.2	3936.4	3917.6	4237.6	4087.0
37.5°	6063.3	6031.0	5936.9	5751.4	5412.6	4998.5	4624.8	4538.7	4536.0	4756.5	4466.1
40°	6463.9	6488.1	6477.4	6273.0	6087.5	5756.8	5184.1	5046.9	5036.2	5154.5	4985.1
42.5°	6982.9	7039.3	7009.8	6969.4	6746.3	6617.2	5969.2	5759.5	5665.3	5907.3	5754.1
45°	7768.0	7789.5	7808.3	7708.9	7485.7	7512.6	6781.2	6531.2	6507.0	6867.3	6523.1
47.5°	8502.1	8445.6	8577.3	8582.7	8572.0	8448.3	7657.8	7472.2	7504.5	7778.8	7423.8
50°	8684.9	8830.1	9193.1	9260.3	9435.1	9548.0	8631.1	8445.6	8499.4	8811.3	8405.3
52.5°	8827.4	9047.9	9410.9	9902.9	10373.5	10642.4	9720.1	9569.5	9566.8	9757.7	9198.5
55°	9077.5	9211.9	9526.5	10204.1	11099.5	11540.4	11032.2	10790.2	10572.5	10706.9	10021.2
57.5°	9053.3	9104.4	9593.7	10429.9	11674.9	12476.1	12110.5	11879.2	11599.6	11521.6	10967.7
60°	8628.4	8749.4	9297.9	10276.7	12029.8	13204.8	13116.1	12879.5	12398.2	12215.3	11693.7
62.5°	7786.8	7948.2	8378.4	9738.9	11513.5	13242.5	13809.8	13721.1	13183.3	12855.3	12640.2
65°	6310.7	6386.0	6880.7	8373.0	10346.6	12664.4	14629.9	14519.6	14024.9	13535.5	13126.8
67.5°	4087.0	4159.6	4635.5	5977.3	8125.6	11172.1	14597.6	14901.5	14366.4	13777.5	12823.0
70°	1930.6	1911.8	2355.4	3320.7	5205.6	8531.6	13610.8	14210.4	13756.0	12489.6	10650.4
72.5°	588.9	639.9	978.7	1470.8	2672.7	5321.2	10669.2	11231.2	11088.7	9978.2	7109.2
75°	260.8	282.3	384.5	602.3	1083.6	2183.3	6590.3	7090.4	7028.6	5885.8	3245.4
77.5°	166.7	182.8	242.0	344.2	492.1	693.7	3035.7	3522.4	3414.8	2067.7	849.7
80°	118.3	126.4	172.1	236.6	309.2	285.0	1046.0	1242.2	1191.1	562.0	228.5
82.5°	64.5	69.9	126.4	174.8	207.0	145.2	293.1	365.7	381.8	250.1	110.2
85°	24.2	29.6	78.0	123.7	107.6	67.2	86.0	104.9	137.1	137.1	51.1
87.5°	0.0	2.7	32.3	53.8	26.9	18.8	24.2	29.6	37.6	64.5	18.8
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°	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9
2.5°	2159.1	2140.3	2148.4	2161.8	2132.2	2148.4	2116.1	2140.3	2148.4	2116.1	2132.2
5°	2186.0	2204.8	2194.1	2172.6	2153.7	2159.1	2151.1	2132.2	2148.4	2153.7	2143.0
7.5°	2264.0	2242.5	2247.9	2223.7	2186.0	2183.3	2132.2	2118.8	2124.2	2129.5	2110.7
10°	2336.6	2350.0	2323.1	2304.3	2242.5	2202.1	2132.2	2056.9	2048.9	2016.6	2043.5
12.5°	2465.7	2433.4	2422.6	2360.8	2298.9	2164.5	2013.9	1898.3	1801.5	1766.6	1731.6
15°	2573.2	2567.8	2549.0	2454.9	2312.4	2067.7	1782.7	1513.8	1328.3	1212.7	1196.5
17.5°	2721.1	2696.9	2661.9	2514.0	2212.9	1815.0	1328.3	989.5	804.0	731.4	704.5
20°	2834.0	2815.2	2766.8	2500.6	2032.7	1352.5	822.8	629.2	583.5	570.0	572.7
22.5°	2998.0	2938.9	2847.5	2433.4	1704.7	900.8	591.5	562.0	553.9	543.1	545.8
25°	3140.5	3086.8	2895.9	2317.8	1215.3	596.9	548.5	532.4	518.9	505.5	502.8
27.5°	3266.9	3199.7	2946.9	2081.1	760.9	513.6	508.2	489.4	462.5	441.0	432.9
30°	3390.6	3312.6	2960.4	1637.5	513.6	465.2	451.7	422.1	387.2	357.6	352.2
32.5°	3597.6	3503.5	2941.6	1169.6	443.7	414.1	384.5	349.5	298.5	274.3	268.9
35°	3920.3	3777.8	2917.4	688.3	397.9	365.7	320.0	274.3	236.6	212.4	207.0
37.5°	4291.4	4044.0	2847.5	459.8	365.7	322.7	263.5	217.8	185.5	166.7	161.3
40°	4842.6	4433.9	2578.6	376.4	325.3	274.3	212.4	172.1	147.9	134.4	129.1
42.5°	5450.2	4880.2	2164.5	338.8	287.7	233.9	169.4	139.8	121.0	107.6	107.6
45°	6178.9	5345.4	1669.8	309.2	255.4	193.6	139.8	112.9	96.8	86.0	80.7
47.5°	6990.9	5767.5	1126.6	279.6	215.1	158.6	115.6	86.0	69.9	61.8	61.8
50°	7716.9	6141.3	717.9	244.7	188.2	131.8	94.1	69.9	56.5	45.7	43.0
52.5°	8375.7	6426.3	494.7	215.1	161.3	107.6	78.0	56.5	43.0	35.0	35.0
55°	9050.6	6571.5	365.7	185.5	139.8	91.4	64.5	51.1	37.6	29.6	26.9
57.5°	9604.5	6633.3	279.6	161.3	118.3	72.6	56.5	43.0	32.3	24.2	21.5
60°	10077.7	6603.7	217.8	134.4	94.1	61.8	48.4	35.0	26.9	18.8	16.1
62.5°	10354.7	6426.3	172.1	115.6	75.3	53.8	40.3	29.6	18.8	13.4	10.8
65°	10360.0	6049.9	134.4	86.0	56.5	45.7	35.0	24.2	13.4	5.4	2.7
67.5°	9617.9	5235.1	107.6	67.2	45.7	35.0	26.9	18.8	5.4	0.0	0.0
70°	7523.3	3960.6	88.7	53.8	37.6	29.6	18.8	10.8	2.7	0.0	0.0
72.5°	4794.2	2371.5	72.6	43.0	32.3	21.5	13.4	8.1	0.0	0.0	0.0
75°	2005.9	731.4	56.5	37.6	24.2	16.1	10.8	2.7	0.0	0.0	0.0
77.5°	516.3	231.2	45.7	32.3	24.2	13.4	8.1	2.7	0.0	0.0	0.0
80°	153.3	86.0	37.6	26.9	18.8	10.8	5.4	2.7	0.0	0.0	0.0
82.5°	69.9	51.1	32.3	24.2	16.1	10.8	5.4	0.0	0.0	0.0	0.0
85°	26.9	16.1	16.1	13.4	13.4	8.1	2.7	0.0	0.0	0.0	0.0
87.5°	10.8	5.4	5.4	5.4	2.7	2.7	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)