

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: P482877

Luminaire Tested: **IFLD-S-SA3C-750-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482877
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-750-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

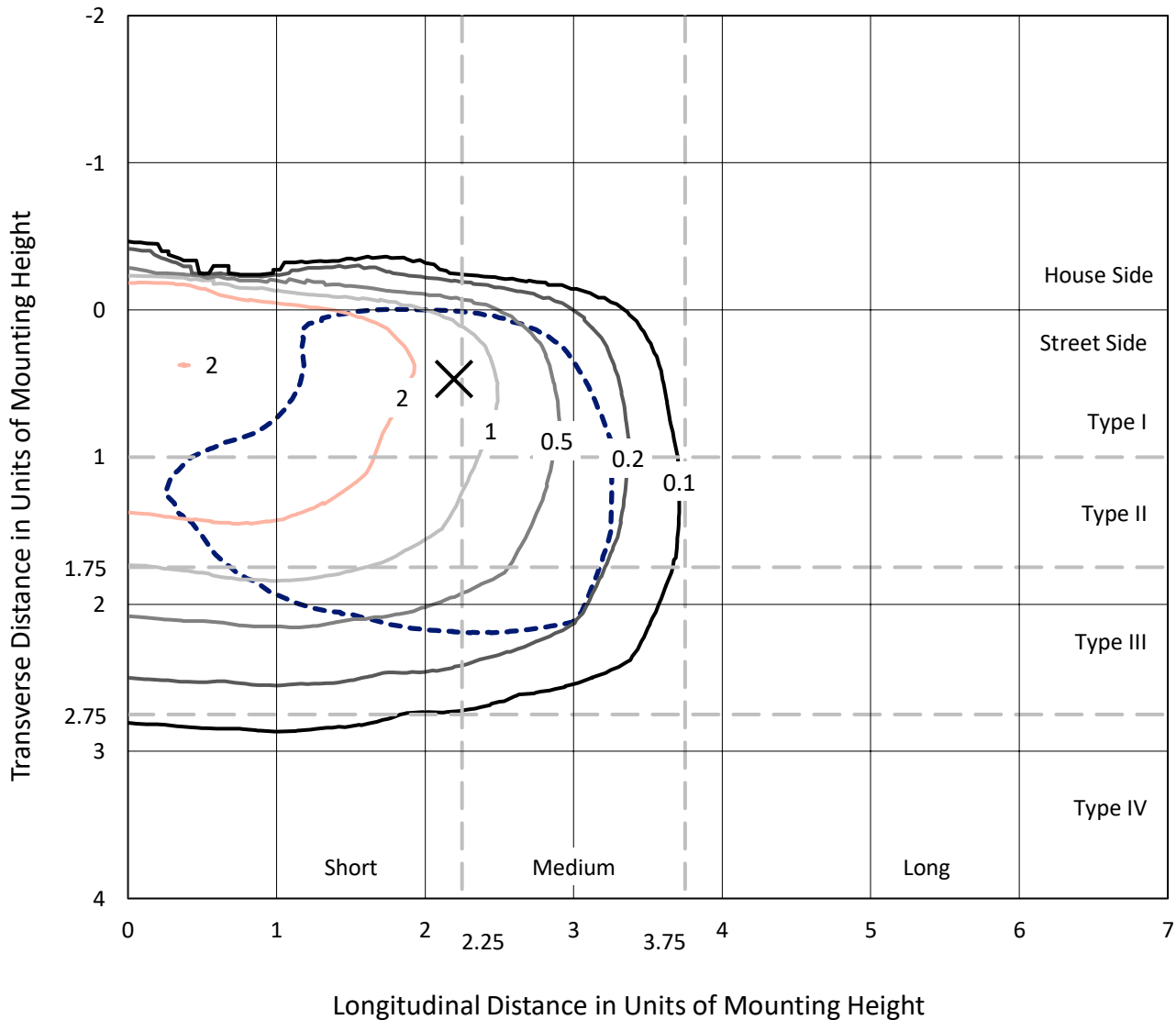
Lumens per Lamp: N/A
Luminaire Lumens: 15531.4 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 160.8
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

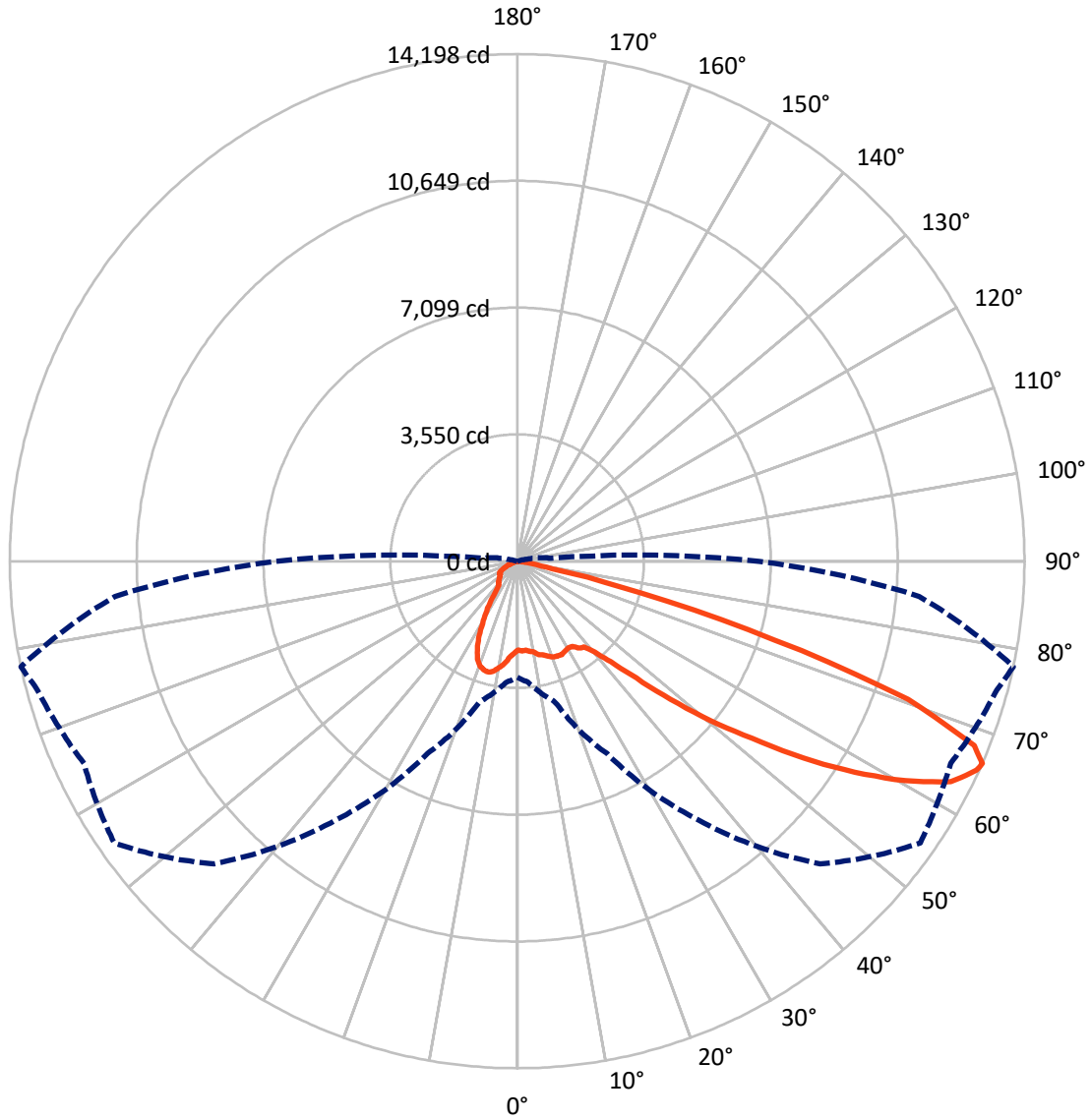
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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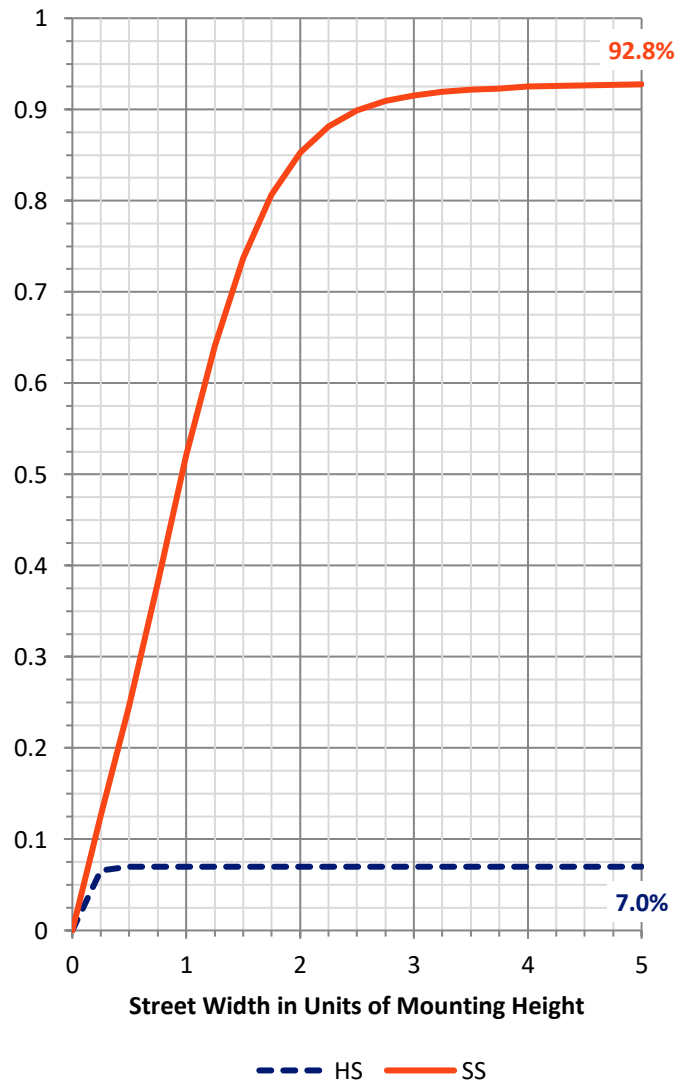
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1091.9	0.0	1091.9
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	14439.4	0.0	14439.4
	% Fixture	93.0	0.0	93.0
Total	Lumens	15531.4	0.0	15531.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.6	1.5
10°-20°	513.7	3.3
20°-30°	734.3	4.7
30°-40°	1256.9	8.1
40°-50°	2268.6	14.6
50°-60°	3879.5	25.0
60°-70°	4775.0	30.7
70°-80°	1805.2	11.6
80°-90°	70.5	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°	15531.4	100.0
0°-180°	15531.4	100.0

Coefficient of Utilization

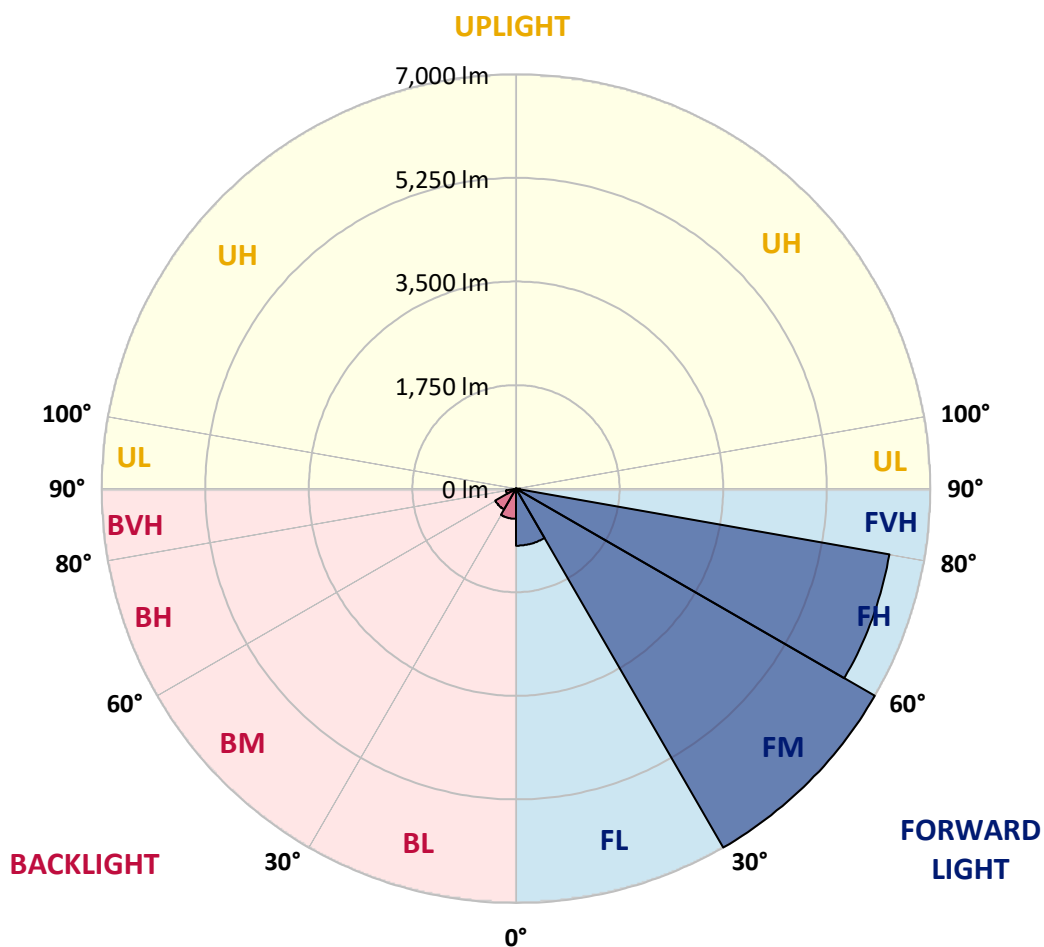


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	964.2	6.2			
FM (30°-60°)	7000.3	45.1			
FH (60°-80°)	6407.3	41.3			G3/7500
FVH (80°-90°)	67.7	0.4			G1/100
BL (0°-30°)	511.4	3.3	B2/1000		
BM (30°-60°)	404.7	2.6	B1/1000		
BH (60°-80°)	173.0	1.1	B1/500		G1/500
BVH (80°-90°)	2.8	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°	65°	75°	78°	85°
0°	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6
2.5°	2288.1	2267.0	2288.1	2318.6	2335.1	2349.2	2398.4	2440.7	2485.3	2515.8	2506.4
5°	2121.5	2161.4	2166.1	2175.5	2201.3	2285.8	2314.0	2386.7	2497.0	2506.4	2548.6
7.5°	1990.1	1978.4	2008.9	2069.9	2135.6	2184.9	2267.0	2393.7	2508.7	2548.6	2630.8
10°	1800.0	1823.5	1856.3	1917.3	1997.1	2119.2	2264.7	2405.5	2569.8	2583.8	2736.4
12.5°	1696.7	1673.3	1724.9	1788.3	1924.4	2037.0	2215.4	2384.4	2607.3	2684.8	2860.8
15°	1612.3	1624.0	1673.3	1715.5	1828.2	1971.3	2180.2	2436.0	2670.7	2724.6	2992.2
17.5°	1577.1	1570.0	1607.6	1649.8	1788.3	1950.2	2166.1	2438.3	2727.0	2797.4	3081.4
20°	1593.5	1607.6	1595.8	1635.7	1722.6	1886.8	2187.2	2482.9	2769.2	2865.5	3177.6
22.5°	1851.6	1832.9	1739.0	1663.9	1668.6	1861.0	2170.8	2511.1	2806.8	2884.2	3243.3
25°	2525.2	2424.3	2191.9	1903.3	1713.2	1790.6	2152.0	2501.7	2799.7	2896.0	3283.2
27.5°	3203.4	3116.6	2888.9	2440.7	1893.9	1762.5	2086.3	2508.7	2764.5	2853.7	3217.5
30°	3919.2	3966.1	3628.2	3095.4	2367.9	1917.3	2044.1	2471.2	2741.1	2816.2	3231.6
32.5°	4653.7	4635.0	4430.8	3853.5	3046.2	2260.0	2112.1	2508.7	2771.6	2844.3	3313.7
35°	5228.7	5163.0	4956.5	4435.5	3607.0	2776.3	2346.8	2687.1	2905.4	2992.2	3431.0
37.5°	5512.7	5540.8	5421.1	4968.2	4221.9	3255.0	2640.2	2687.1	2947.6	3048.5	3621.1
40°	5733.3	5817.7	5773.2	5627.7	4832.1	3794.8	2964.0	2853.7	3161.2	3351.2	3977.8
42.5°	5998.4	5958.6	6221.4	6087.6	5630.0	4475.4	3531.9	3250.3	3665.7	3848.8	4512.9
45°	6139.3	6291.8	6491.3	6662.6	6369.2	5324.9	4273.5	3952.0	4437.8	4670.2	5308.5
47.5°	6500.7	6561.7	6885.5	7101.4	6970.0	6296.5	5400.0	4977.6	5409.4	5775.5	6219.0
50°	6711.9	6629.7	7082.7	7411.2	7486.3	7101.4	6409.1	6080.6	6564.0	7031.0	7070.9
52.5°	6526.5	6761.2	7214.1	7803.1	8012.0	7819.6	7594.3	7451.1	7791.4	8223.2	8030.8
55°	5876.4	6036.0	7139.0	8232.6	8906.1	8817.0	9025.8	8932.0	9274.6	9732.2	9152.6
57.5°	5353.1	5552.6	6521.8	8455.6	9739.3	10002.1	10264.9	10206.3	10619.3	11147.3	10103.0
60°	5026.9	5141.9	6075.9	8399.2	10232.1	11227.1	11820.9	11407.8	12081.4	12485.0	10847.0
62.5°	4461.3	4534.0	5425.8	7652.9	10379.9	12093.1	13099.9	12539.0	13123.4	13616.2	11382.0
65°	3576.5	3773.7	4510.6	6535.9	9403.7	12252.7	13897.8	13238.4	13803.9	14127.8	11544.0
66°	3255.0	3398.2	4074.1	5944.5	8847.5	11987.5	13764.0	13383.9	13902.5	14198.2	11295.2
67.5°	2701.2	2825.6	3363.0	5102.0	7709.3	11403.2	13857.9	13285.3	13977.6	13796.9	10962.0
70°	1788.3	1868.1	2299.9	3449.8	5369.5	9328.6	12853.5	12515.5	12287.9	11609.7	8570.6
72.5°	835.5	950.5	1436.2	2091.0	3149.4	6526.5	10480.9	10027.9	8617.5	7533.3	5407.1
75°	377.8	429.5	788.5	1199.2	1412.8	3381.8	6761.2	6106.4	4290.0	3562.5	2367.9
77.5°	204.2	232.3	384.9	570.3	514.0	1185.1	3346.6	2783.3	1351.8	990.4	687.6
80°	157.2	185.4	321.5	326.2	190.1	307.4	1243.8	861.3	337.9	255.8	164.3
82.5°	82.1	117.3	253.5	211.2	96.2	124.4	384.9	239.4	105.6	84.5	70.4
85°	32.9	51.6	143.2	140.8	56.3	42.2	108.0	72.8	42.2	35.2	32.9
87.5°	2.3	2.3	77.4	54.0	35.2	11.7	16.4	16.4	21.1	18.8	23.5
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°	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6	2487.6
2.5°	2548.6	2576.8	2581.5	2658.9	2675.4	2658.9	2701.2	2694.1	2712.9	2698.8	2673.0
5°	2607.3	2647.2	2724.6	2783.3	2783.3	2736.4	2698.8	2649.5	2576.8	2558.0	2543.9
7.5°	2708.2	2834.9	2905.4	2867.8	2792.7	2616.7	2372.6	2194.3	2044.1	1987.7	1961.9
10°	2886.6	2957.0	3039.1	2886.6	2574.5	2201.3	1790.6	1520.7	1309.5	1262.6	1227.4
12.5°	3001.6	3114.2	3161.2	2783.3	2170.8	1614.6	1168.7	863.6	715.8	603.1	584.4
15°	3151.8	3280.8	3184.6	2504.0	1710.8	1058.4	605.5	377.8	307.4	288.7	288.7
17.5°	3255.0	3395.8	3088.4	2156.7	1213.3	563.2	300.4	260.5	255.8	258.1	253.5
20°	3435.7	3520.2	2942.9	1753.1	725.2	288.7	241.7	232.3	227.6	234.7	230.0
22.5°	3503.8	3581.2	2705.9	1269.6	326.2	192.4	180.7	173.7	178.4	176.0	173.7
25°	3499.1	3539.0	2316.3	727.5	96.2	75.1	68.1	68.1	63.4	65.7	63.4
27.5°	3534.3	3435.7	1879.8	215.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	3553.1	3269.1	1337.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3562.5	3182.3	861.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	3635.2	3008.6	368.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3684.5	2785.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3888.7	2715.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4153.9	2583.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4522.3	2389.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5010.4	2274.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5374.2	2093.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5836.5	1985.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6385.7	1990.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	6885.5	1957.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	7141.3	1673.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	7087.4	1354.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	6899.6	1063.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	6770.5	941.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	6378.6	753.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5076.2	516.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3229.2	316.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1487.9	145.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	467.0	89.2	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	122.0	56.3	18.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	63.4	39.9	16.4	7.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.9	16.4	7.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	35.2	9.4	4.7	4.7	2.3	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)