

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: P482695

Luminaire Tested: **IFLD-S-SA6A-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482695
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

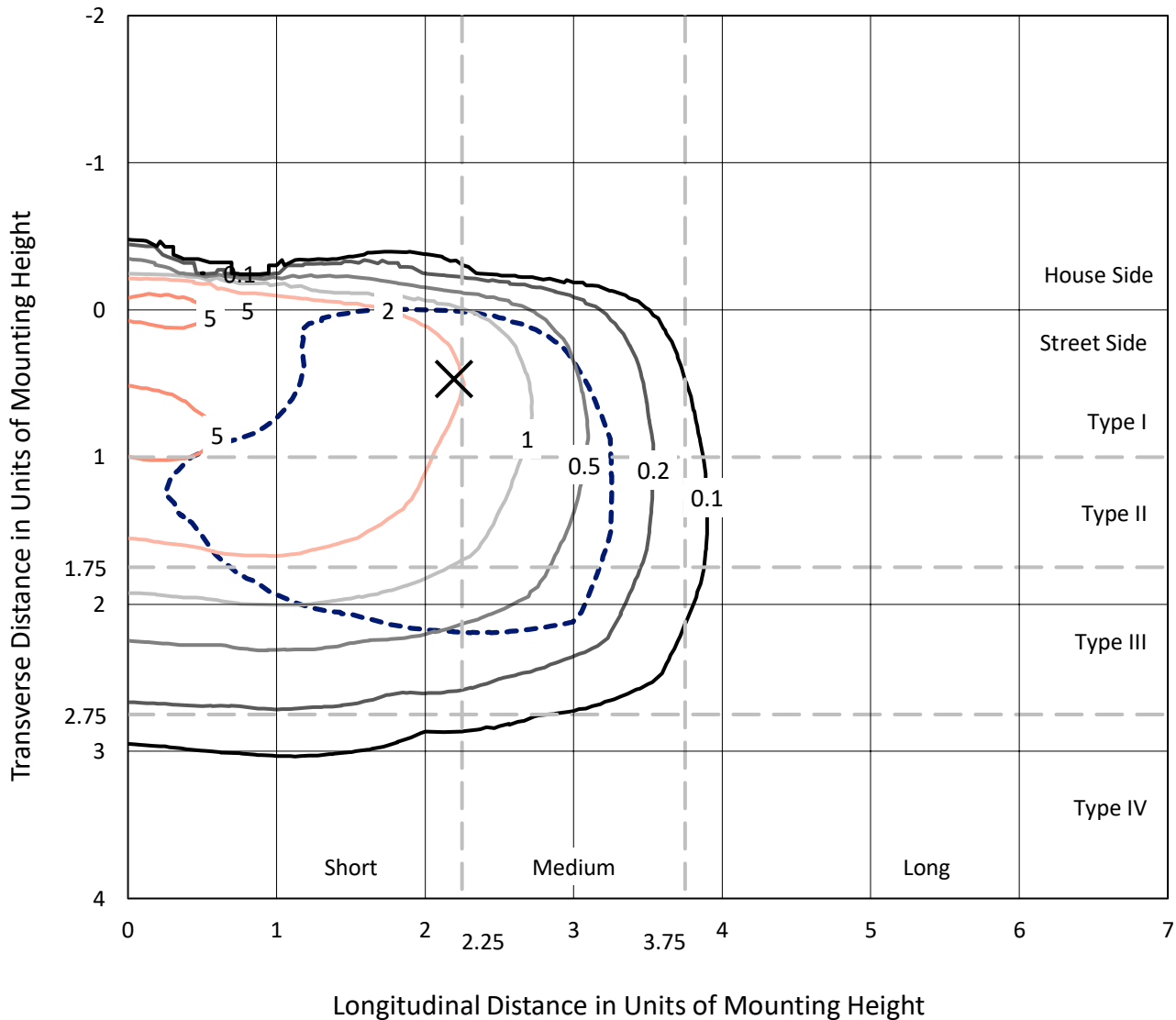
Lumens per Lamp: N/A
Luminaire Lumens: 14250.9 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (A_{in}): 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

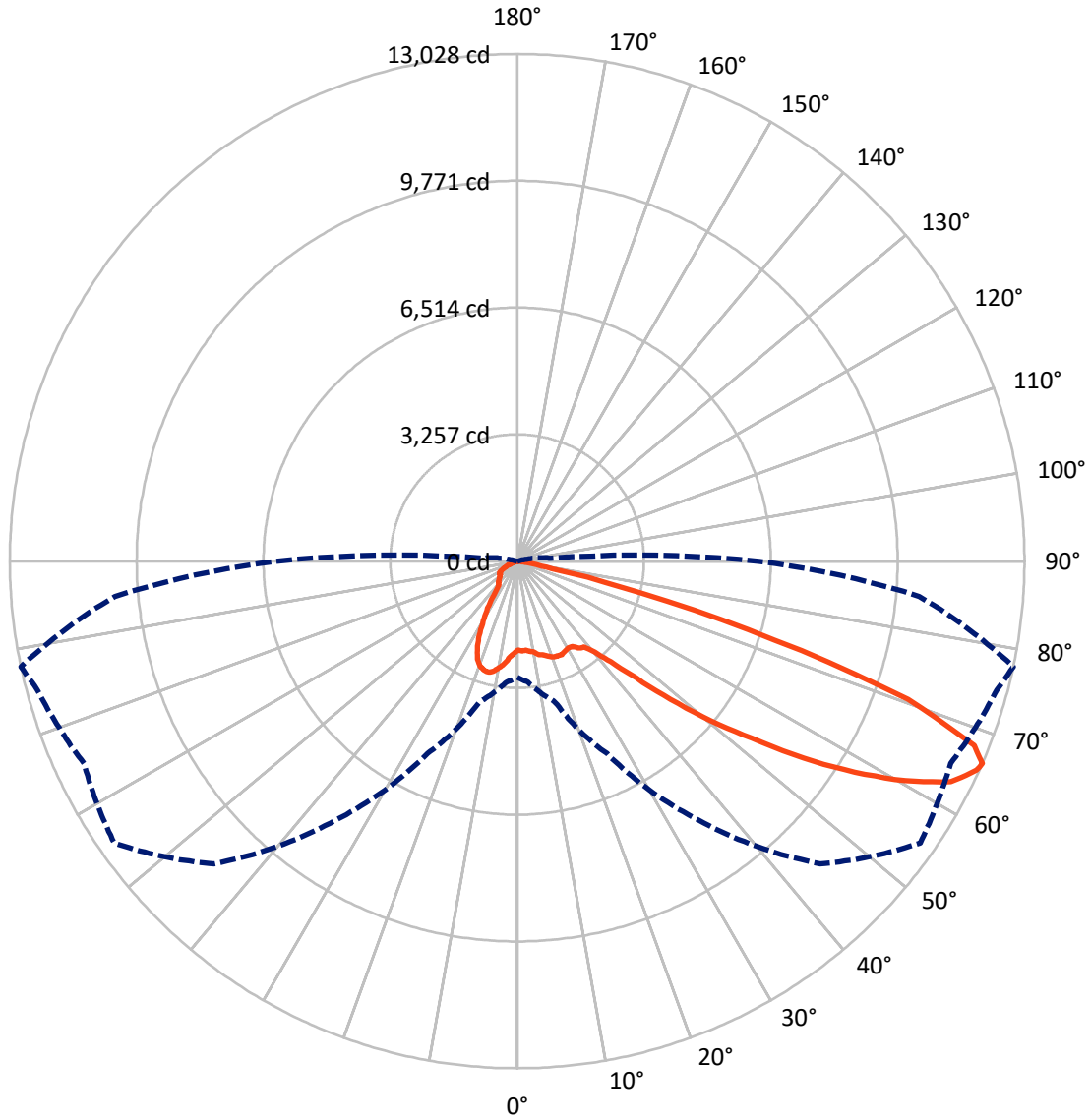
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 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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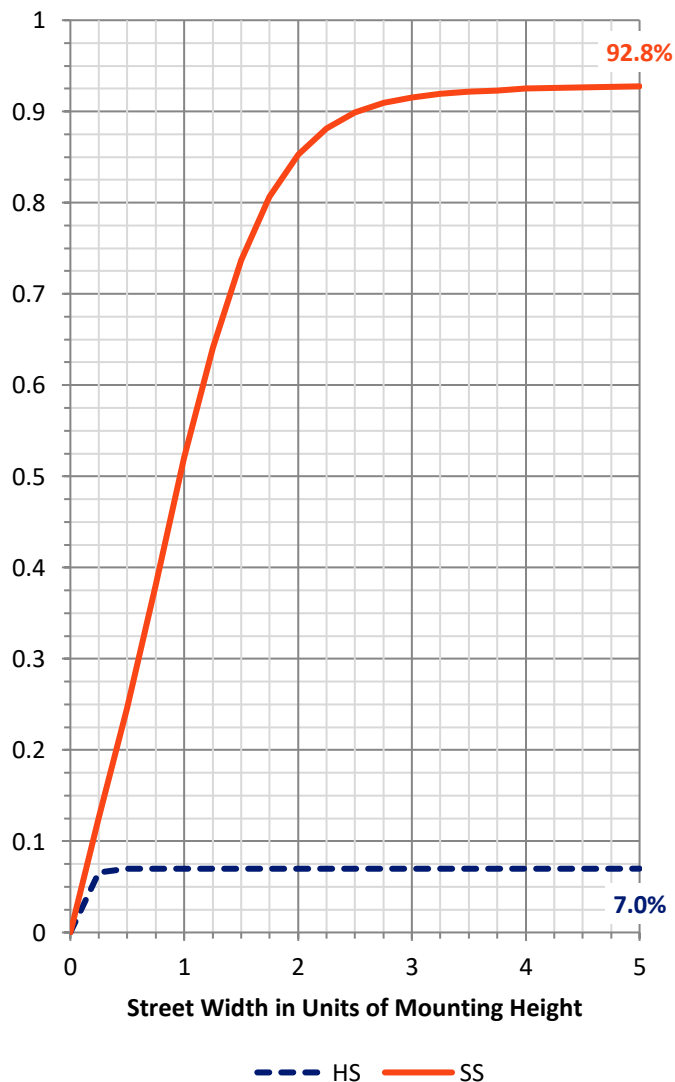
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1001.9	0.0	1001.9
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	13249.0	0.0	13249.0
	% Fixture	93.0	0.0	93.0
Total	Lumens	14250.9	0.0	14250.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	1.5
10°-20°	471.4	3.3
20°-30°	673.7	4.7
30°-40°	1153.3	8.1
40°-50°	2081.5	14.6
50°-60°	3559.7	25.0
60°-70°	4381.4	30.7
70°-80°	1656.4	11.6
80°-90°	64.7	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°	14250.9	100.0
0°-180°	14250.9	100.0

Coefficient of Utilization

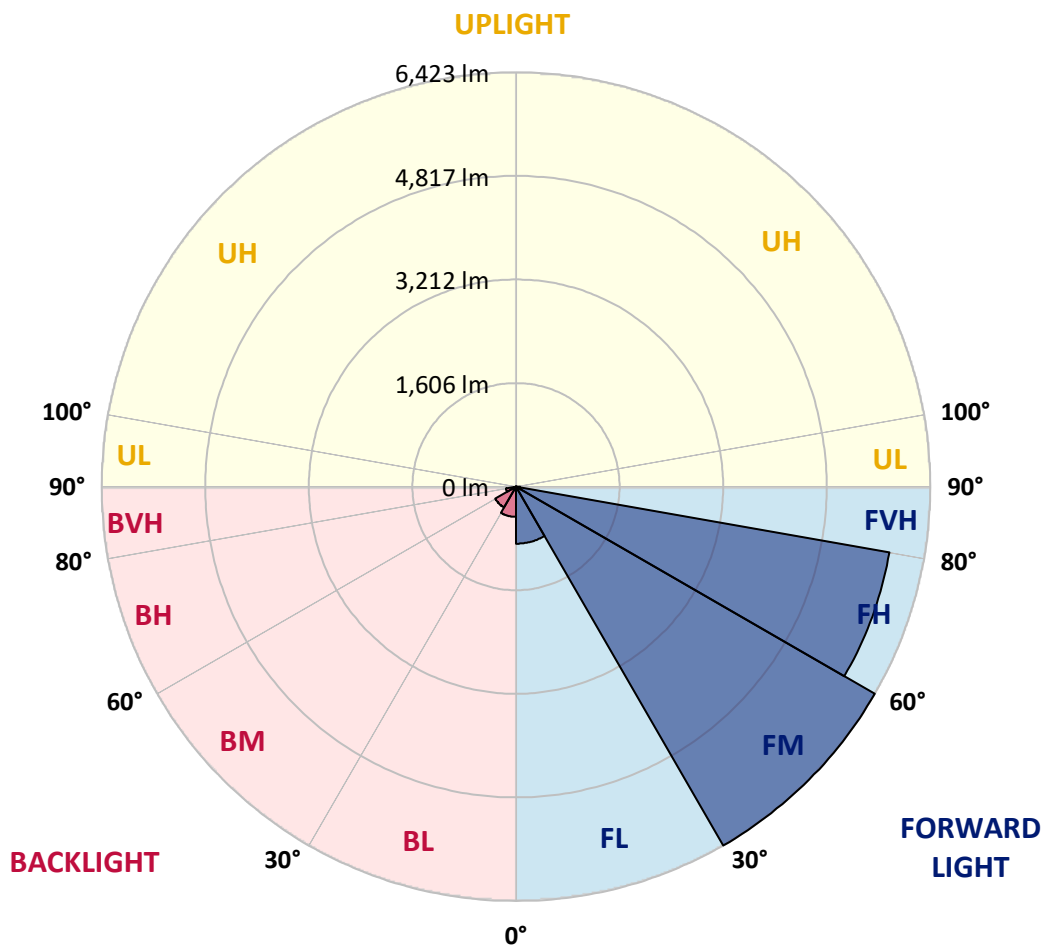


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.7	6.2			
FM (30°-60°)	6423.2	45.1			
FH (60°-80°)	5879.0	41.3			G3/7500
FVH (80°-90°)	62.1	0.4			G1/100
BL (0°-30°)	469.2	3.3	B1/500		
BM (30°-60°)	371.3	2.6	B1/1000		
BH (60°-80°)	158.7	1.1	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5
2.5°	2099.5	2080.1	2099.5	2127.5	2142.6	2155.5	2200.7	2239.5	2280.4	2308.4	2299.8
5°	1946.6	1983.2	1987.5	1996.1	2019.8	2097.4	2123.2	2189.9	2291.2	2299.8	2338.5
7.5°	1826.0	1815.3	1843.3	1899.2	1959.5	2004.8	2080.1	2196.4	2301.9	2338.5	2413.9
10°	1651.6	1673.1	1703.3	1759.3	1832.5	1944.5	2078.0	2207.2	2357.9	2370.8	2510.8
12.5°	1556.9	1535.3	1582.7	1640.8	1765.7	1869.1	2032.7	2187.8	2392.4	2463.4	2624.9
15°	1479.3	1490.1	1535.3	1574.1	1677.4	1808.8	2000.4	2235.2	2450.5	2500.0	2745.5
17.5°	1447.0	1440.6	1475.0	1513.8	1640.8	1789.4	1987.5	2237.3	2502.2	2566.8	2827.3
20°	1462.1	1475.0	1464.3	1500.9	1580.5	1731.3	2006.9	2278.2	2540.9	2629.2	2915.6
22.5°	1699.0	1681.8	1595.6	1526.7	1531.0	1707.6	1991.8	2304.1	2575.4	2646.5	2975.9
25°	2317.0	2224.4	2011.2	1746.4	1571.9	1643.0	1974.6	2295.5	2568.9	2657.2	3012.5
27.5°	2939.3	2859.6	2650.8	2239.5	1737.7	1617.2	1914.3	2301.9	2536.6	2618.5	2952.2
30°	3596.1	3639.1	3329.1	2840.3	2172.7	1759.3	1875.6	2267.5	2515.1	2584.0	2965.1
32.5°	4270.1	4252.8	4065.5	3535.8	2795.0	2073.7	1938.0	2301.9	2543.1	2609.8	3040.5
35°	4797.6	4737.3	4547.8	4069.8	3309.7	2547.4	2153.3	2465.6	2665.8	2745.5	3148.2
37.5°	5058.2	5084.0	4974.2	4558.6	3873.9	2986.7	2422.5	2465.6	2704.6	2797.2	3322.6
40°	5260.6	5338.1	5297.2	5163.7	4433.7	3481.9	2719.7	2618.5	2900.5	3075.0	3649.9
42.5°	5503.9	5467.3	5708.5	5585.8	5165.9	4106.4	3240.8	2982.4	3363.5	3531.5	4140.9
45°	5633.1	5773.1	5956.1	6113.3	5844.2	4885.9	3921.2	3626.2	4072.0	4285.1	4870.8
47.5°	5964.7	6020.7	6317.9	6516.0	6395.4	5777.4	4954.8	4567.2	4963.4	5299.4	5706.3
50°	6158.5	6083.2	6498.8	6800.2	6869.1	6516.0	5880.8	5579.3	6022.9	6451.4	6488.0
52.5°	5988.4	6203.8	6619.4	7159.8	7351.5	7174.9	6968.2	6836.8	7149.1	7545.3	7368.7
55°	5392.0	5538.4	6550.5	7553.9	8171.9	8090.1	8281.7	8195.6	8510.0	8929.9	8398.0
57.5°	4911.8	5094.8	5984.1	7758.5	8936.3	9177.5	9418.7	9364.9	9743.8	10228.3	9270.1
60°	4612.4	4718.0	5575.0	7706.8	9388.5	10301.6	10846.4	10467.4	11085.4	11455.8	9952.7
62.5°	4093.5	4160.2	4978.5	7022.0	9524.2	11096.1	12019.9	11505.3	12041.5	12493.7	10443.7
65°	3281.7	3462.6	4138.7	5997.0	8628.4	11242.6	12752.1	12147.0	12665.9	12963.1	10592.3
66°	2986.7	3118.0	3738.2	5454.4	8118.1	10999.2	12629.3	12280.5	12756.4	13027.7	10364.0
67.5°	2478.5	2592.6	3085.7	4681.4	7073.7	10463.1	12715.5	12190.0	12825.3	12659.5	10058.2
70°	1640.8	1714.1	2110.3	3165.4	4926.8	8559.5	11793.8	11483.7	11274.9	10652.6	7864.0
72.5°	766.6	872.1	1317.8	1918.6	2889.8	5988.4	9616.8	9201.2	7907.1	6912.2	4961.3
75°	346.7	394.1	723.5	1100.4	1296.3	3103.0	6203.8	5603.0	3936.3	3268.8	2172.7
77.5°	187.3	213.2	353.1	523.3	471.6	1087.4	3070.7	2553.9	1240.3	908.7	630.9
80°	144.3	170.1	295.0	299.3	174.4	282.1	1141.3	790.3	310.1	234.7	150.7
82.5°	75.4	107.7	232.6	193.8	88.3	114.1	353.1	219.6	96.9	77.5	64.6
85°	30.1	47.4	131.4	129.2	51.7	38.8	99.1	66.8	38.8	32.3	30.1
87.5°	2.2	2.2	71.1	49.5	32.3	10.8	15.1	15.1	19.4	17.2	21.5
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°	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5	2282.5
2.5°	2338.5	2364.4	2368.7	2439.7	2454.8	2439.7	2478.5	2472.0	2489.3	2476.3	2452.7
5°	2392.4	2429.0	2500.0	2553.9	2553.9	2510.8	2476.3	2431.1	2364.4	2347.1	2334.2
7.5°	2485.0	2601.2	2665.8	2631.4	2562.5	2401.0	2177.0	2013.4	1875.6	1823.9	1800.2
10°	2648.6	2713.2	2788.6	2648.6	2362.2	2019.8	1643.0	1395.4	1201.6	1158.5	1126.2
12.5°	2754.1	2857.5	2900.5	2553.9	1991.8	1481.5	1072.4	792.4	656.8	553.4	536.2
15°	2891.9	3010.4	2922.1	2297.6	1569.8	971.2	555.6	346.7	282.1	264.9	264.9
17.5°	2986.7	3115.9	2833.8	1978.9	1113.3	516.8	275.6	239.0	234.7	236.9	232.6
20°	3152.5	3230.0	2700.3	1608.5	665.4	264.9	221.8	213.2	208.9	215.3	211.0
22.5°	3214.9	3286.0	2482.8	1165.0	299.3	176.6	165.8	159.3	163.7	161.5	159.3
25°	3210.6	3247.2	2125.3	667.5	88.3	68.9	62.4	62.4	58.1	60.3	58.1
27.5°	3242.9	3152.5	1724.8	198.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	3260.2	2999.6	1227.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3268.8	2919.9	790.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	3335.5	2760.6	338.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3380.7	2556.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3568.1	2491.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3811.4	2370.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4149.5	2192.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4597.4	2086.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4931.1	1920.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5355.3	1821.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5859.2	1826.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	6317.9	1795.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	6552.6	1535.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	6503.1	1242.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	6330.8	975.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	6212.4	863.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	5852.8	691.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4657.7	473.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2963.0	290.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1365.2	133.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	428.5	81.8	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	112.0	51.7	17.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	58.1	36.6	15.1	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.6	15.1	6.5	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.3	8.6	4.3	4.3	2.2	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)