

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: P482837

Luminaire Tested: **IFLD-S-SA3B-740-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482837
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-740-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

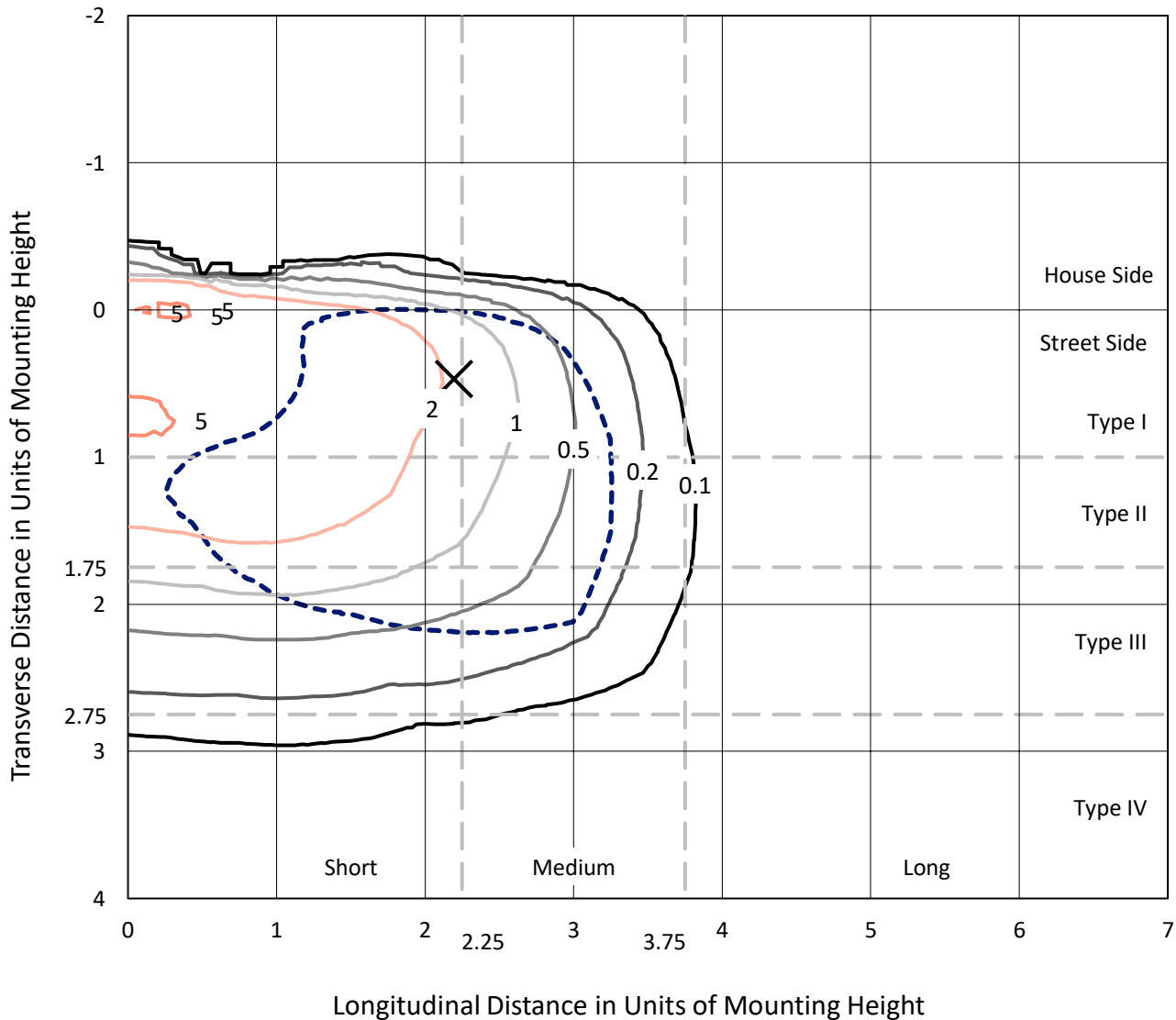
Lumens per Lamp: N/A
Luminaire Lumens: 12197.3 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 122.4
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

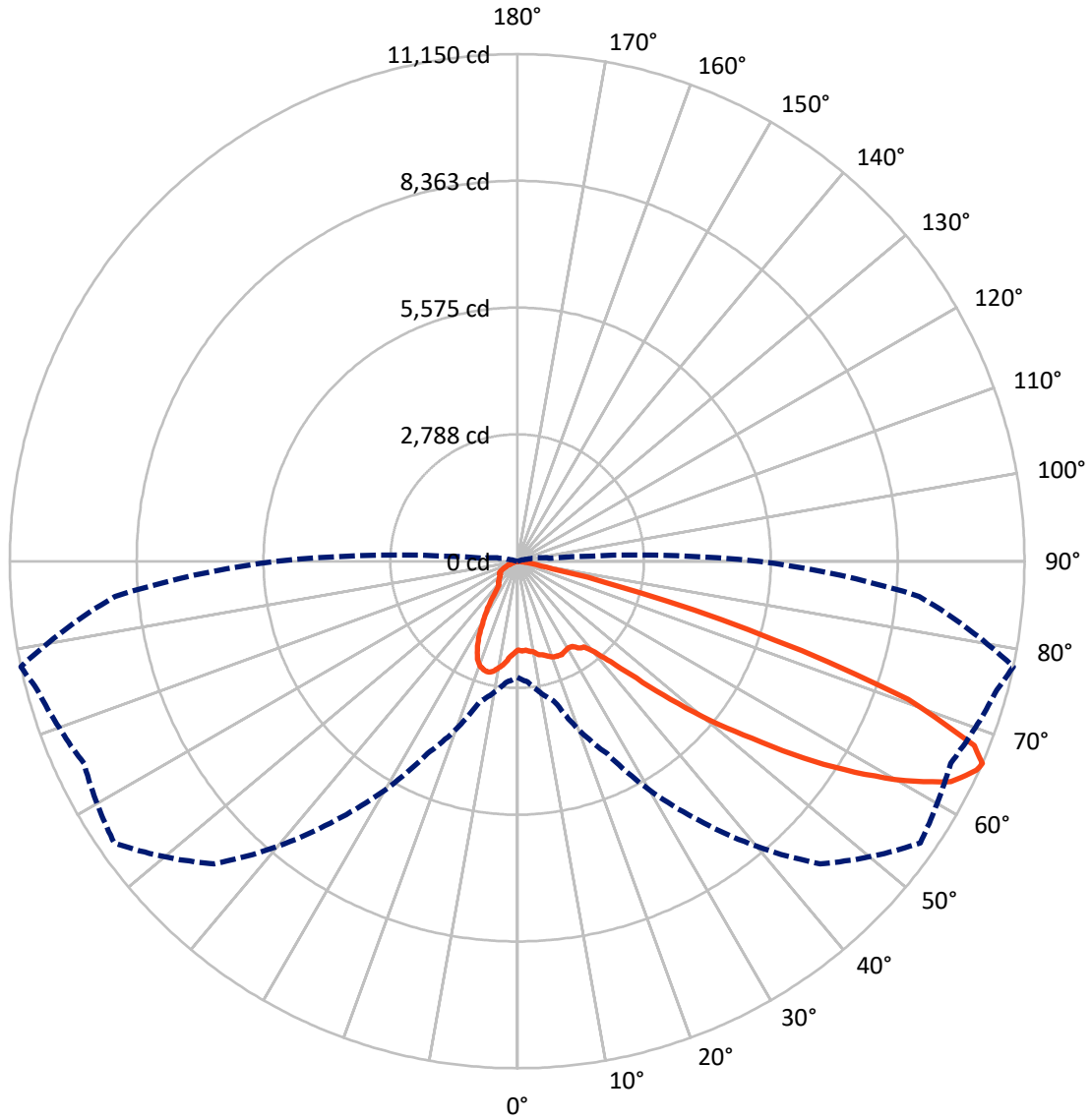
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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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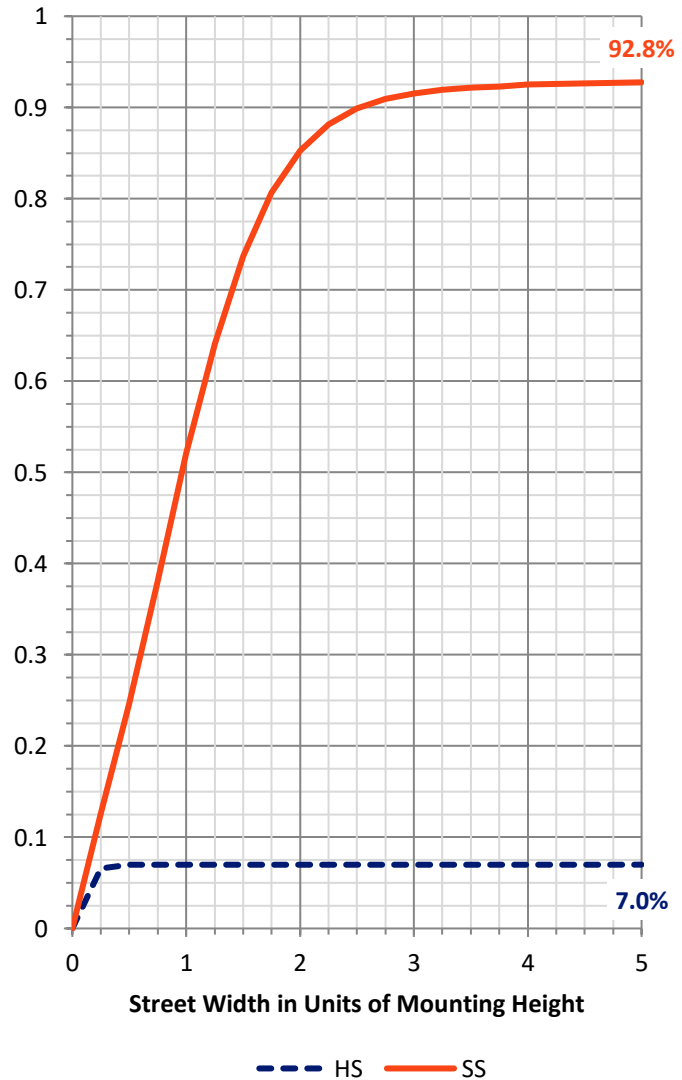
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	857.5	0.0	857.5
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	11339.8	0.0	11339.8
	% Fixture	93.0	0.0	93.0
Total	Lumens	12197.3	0.0	12197.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	1.5
10°-20°	403.4	3.3
20°-30°	576.7	4.7
30°-40°	987.1	8.1
40°-50°	1781.6	14.6
50°-60°	3046.7	25.0
60°-70°	3750.0	30.7
70°-80°	1417.7	11.6
80°-90°	55.4	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°	12197.3	100.0
0°-180°	12197.3	100.0

Coefficient of Utilization

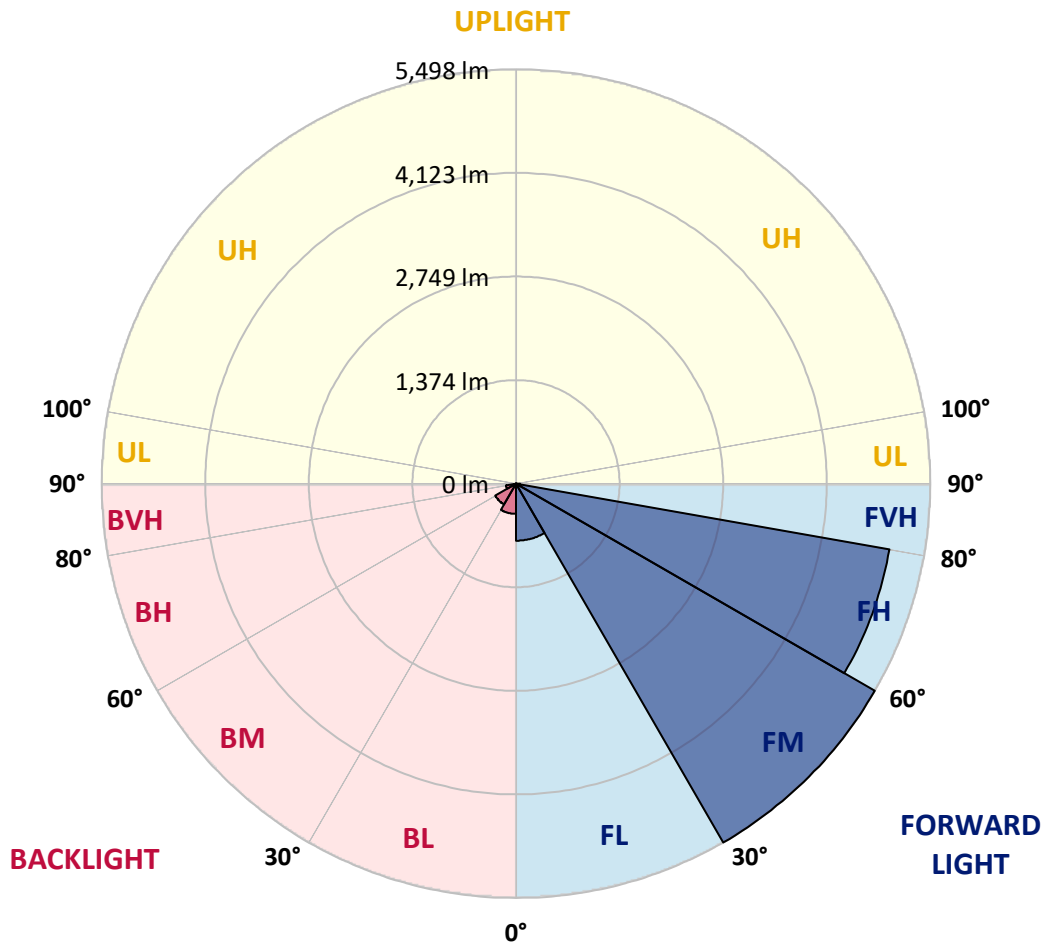


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.2	6.2			
FM (30°-60°)	5497.6	45.1			
FH (60°-80°)	5031.8	41.3			G3/7500
FVH (80°-90°)	53.2	0.4			G1/100
BL (0°-30°)	401.6	3.3	B1/500		
BM (30°-60°)	317.8	2.6	B1/1000		
BH (60°-80°)	135.9	1.1	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6
2.5°	1797.0	1780.4	1797.0	1820.9	1833.8	1844.9	1883.6	1916.8	1951.8	1975.7	1968.4
5°	1666.1	1697.4	1701.1	1708.5	1728.8	1795.1	1817.2	1874.4	1961.0	1968.4	2001.5
7.5°	1562.9	1553.7	1577.6	1625.6	1677.2	1715.9	1780.4	1879.9	1970.2	2001.5	2066.0
10°	1413.6	1432.0	1457.8	1505.8	1568.4	1664.3	1778.5	1889.1	2018.1	2029.2	2149.0
12.5°	1332.5	1314.1	1354.6	1404.4	1511.3	1599.7	1739.8	1872.5	2047.6	2108.4	2246.7
15°	1266.2	1275.4	1314.1	1347.3	1435.7	1548.1	1712.2	1913.1	2097.4	2139.8	2349.9
17.5°	1238.5	1233.0	1262.5	1295.6	1404.4	1531.6	1701.1	1914.9	2141.6	2196.9	2419.9
20°	1251.4	1262.5	1253.3	1284.6	1352.8	1481.8	1717.7	1949.9	2174.8	2250.3	2495.5
22.5°	1454.2	1439.4	1365.7	1306.7	1310.4	1461.5	1704.8	1972.0	2204.3	2265.1	2547.1
25°	1983.1	1903.8	1721.4	1494.7	1345.4	1406.2	1690.1	1964.7	2198.7	2274.3	2578.4
27.5°	2515.7	2447.5	2268.8	1916.8	1487.3	1384.1	1638.5	1970.2	2171.1	2241.1	2526.8
30°	3077.9	3114.7	2849.3	2431.0	1859.6	1505.8	1605.3	1940.7	2152.7	2211.6	2537.9
32.5°	3654.7	3640.0	3479.6	3026.3	2392.3	1774.8	1658.7	1970.2	2176.6	2233.8	2602.4
35°	4106.3	4054.7	3892.5	3483.3	2832.7	2180.3	1843.0	2110.3	2281.7	2349.9	2694.5
37.5°	4329.3	4351.4	4257.4	3901.7	3315.6	2556.3	2073.4	2110.3	2314.8	2394.1	2843.8
40°	4502.5	4568.9	4533.9	4419.6	3794.8	2980.2	2327.7	2241.1	2482.6	2631.8	3123.9
42.5°	4710.8	4679.5	4885.9	4780.8	4421.4	3514.7	2773.8	2552.6	2878.8	3022.6	3544.1
45°	4821.4	4941.2	5097.8	5232.4	5002.0	4181.8	3356.2	3103.7	3485.2	3667.6	4168.9
47.5°	5105.2	5153.1	5407.4	5577.0	5473.8	4944.8	4240.8	3909.1	4248.2	4535.7	4884.0
50°	5271.1	5206.6	5562.3	5820.3	5879.3	5577.0	5033.3	4775.3	5155.0	5521.7	5553.0
52.5°	5125.5	5309.8	5665.5	6128.1	6292.1	6141.0	5964.0	5851.6	6118.9	6458.0	6306.8
55°	4614.9	4740.3	5606.5	6465.3	6994.3	6924.3	7088.3	7014.6	7283.7	7643.0	7187.8
57.5°	4204.0	4360.6	5121.8	6640.4	7648.6	7855.0	8061.4	8015.3	8339.7	8754.4	7934.2
60°	3947.8	4038.1	4771.6	6596.2	8035.6	8817.1	9283.3	8959.0	9487.9	9804.9	8518.5
62.5°	3503.6	3560.7	4261.1	6010.1	8151.7	9497.1	10287.8	9847.3	10306.2	10693.3	8938.7
65°	2808.8	2963.6	3542.3	5132.8	7385.0	9622.5	10914.4	10396.5	10840.7	11095.0	9065.9
66°	2556.3	2668.7	3199.5	4668.4	6948.2	9414.2	10809.4	10510.8	10918.1	11150.3	8870.5
67.5°	2121.3	2219.0	2641.1	4006.7	6054.4	8955.3	10883.1	10433.4	10977.1	10835.2	8608.8
70°	1404.4	1467.1	1806.2	2709.3	4216.9	7326.0	10094.3	9828.9	9650.1	9117.5	6730.7
72.5°	656.1	746.4	1127.9	1642.1	2473.3	5125.5	8231.0	7875.3	6767.6	5916.1	4246.3
75°	296.7	337.3	619.3	941.8	1109.5	2655.8	5309.8	4795.6	3369.1	2797.7	1859.6
77.5°	160.3	182.5	302.3	447.9	403.6	930.7	2628.2	2185.8	1061.6	777.8	540.0
80°	123.5	145.6	252.5	256.2	149.3	241.4	976.8	676.4	265.4	200.9	129.0
82.5°	64.5	92.2	199.0	165.9	75.6	97.7	302.3	188.0	82.9	66.3	55.3
85°	25.8	40.5	112.4	110.6	44.2	33.2	84.8	57.1	33.2	27.6	25.8
87.5°	1.8	1.8	60.8	42.4	27.6	9.2	12.9	12.9	16.6	14.7	18.4
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°	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6
2.5°	2001.5	2023.6	2027.3	2088.2	2101.1	2088.2	2121.3	2115.8	2130.5	2119.5	2099.2
5°	2047.6	2078.9	2139.8	2185.8	2185.8	2149.0	2119.5	2080.8	2023.6	2008.9	1997.8
7.5°	2126.9	2226.4	2281.7	2252.2	2193.2	2055.0	1863.3	1723.2	1605.3	1561.0	1540.8
10°	2266.9	2322.2	2386.7	2266.9	2021.8	1728.8	1406.2	1194.3	1028.4	991.5	963.9
12.5°	2357.2	2445.7	2482.6	2185.8	1704.8	1268.0	917.8	678.2	562.1	473.7	458.9
15°	2475.2	2576.6	2501.0	1966.5	1343.6	831.2	475.5	296.7	241.4	226.7	226.7
17.5°	2556.3	2666.9	2425.4	1693.7	952.8	442.3	235.9	204.6	200.9	202.7	199.0
20°	2698.2	2764.5	2311.2	1376.7	569.5	226.7	189.8	182.5	178.8	184.3	180.6
22.5°	2751.6	2812.5	2125.0	997.1	256.2	151.1	141.9	136.4	140.1	138.2	136.4
25°	2748.0	2779.3	1819.1	571.3	75.6	59.0	53.4	53.4	49.8	51.6	49.8
27.5°	2775.6	2698.2	1476.3	169.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	2790.3	2567.3	1050.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2797.7	2499.1	676.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	2854.9	2362.8	289.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2893.6	2187.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3053.9	2132.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3262.2	2029.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	3551.5	1876.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3934.9	1785.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4220.5	1644.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	4583.6	1559.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5014.9	1562.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	5407.4	1537.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	5608.3	1314.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	5565.9	1063.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	5418.5	834.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	5317.1	739.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	5009.4	591.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3986.5	405.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2536.0	248.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1168.5	114.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	366.8	70.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	95.8	44.2	14.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	49.8	31.3	12.9	5.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.3	12.9	5.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.6	7.4	3.7	3.7	1.8	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)