

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: P482683

Luminaire Tested: **IFLD-S-SA3D-722-U-T3R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482683  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-722-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

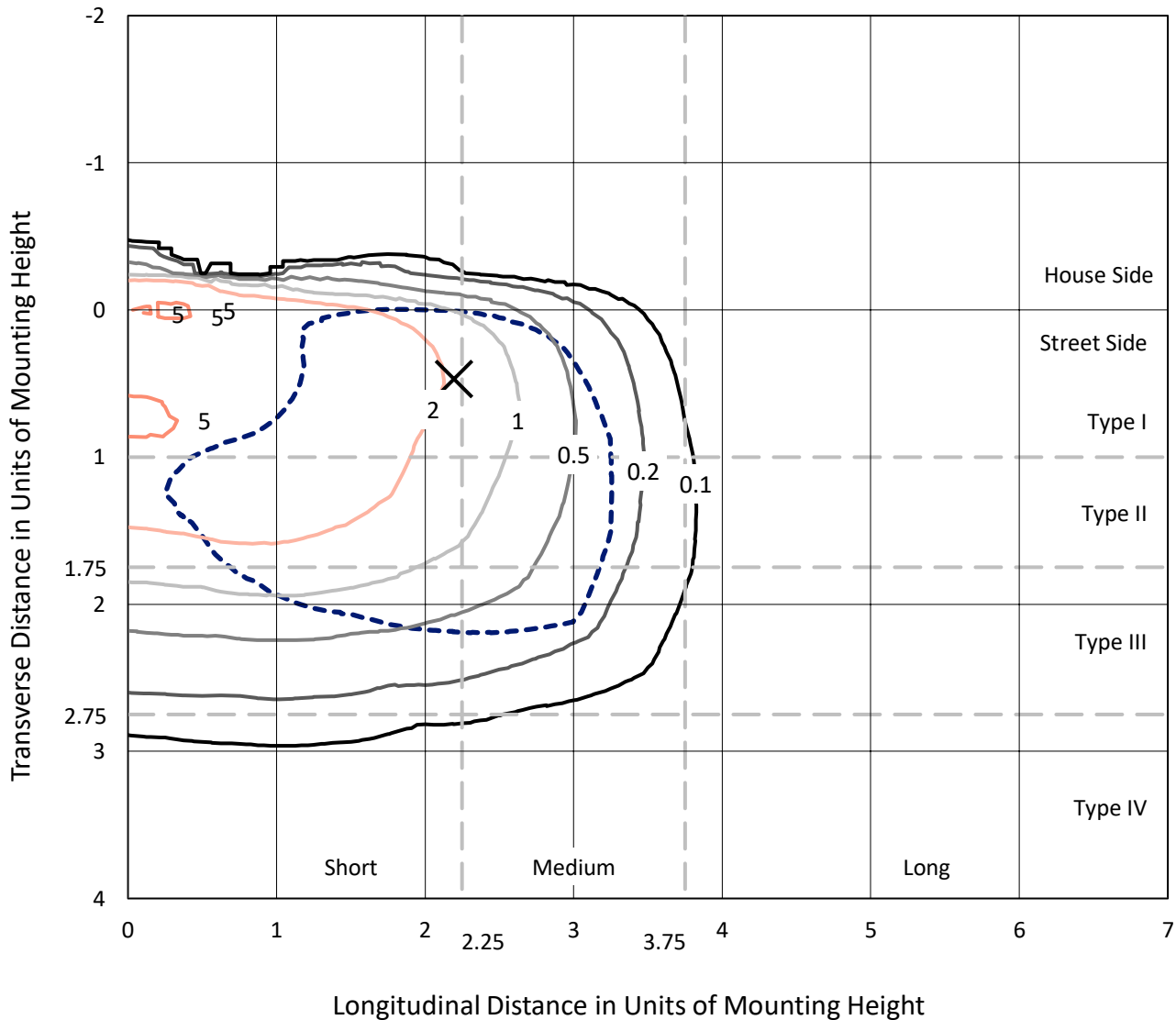
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12306.3 lumens  
Efficiency: N/A  
Efficacy: 66.8 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): 184.1  
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

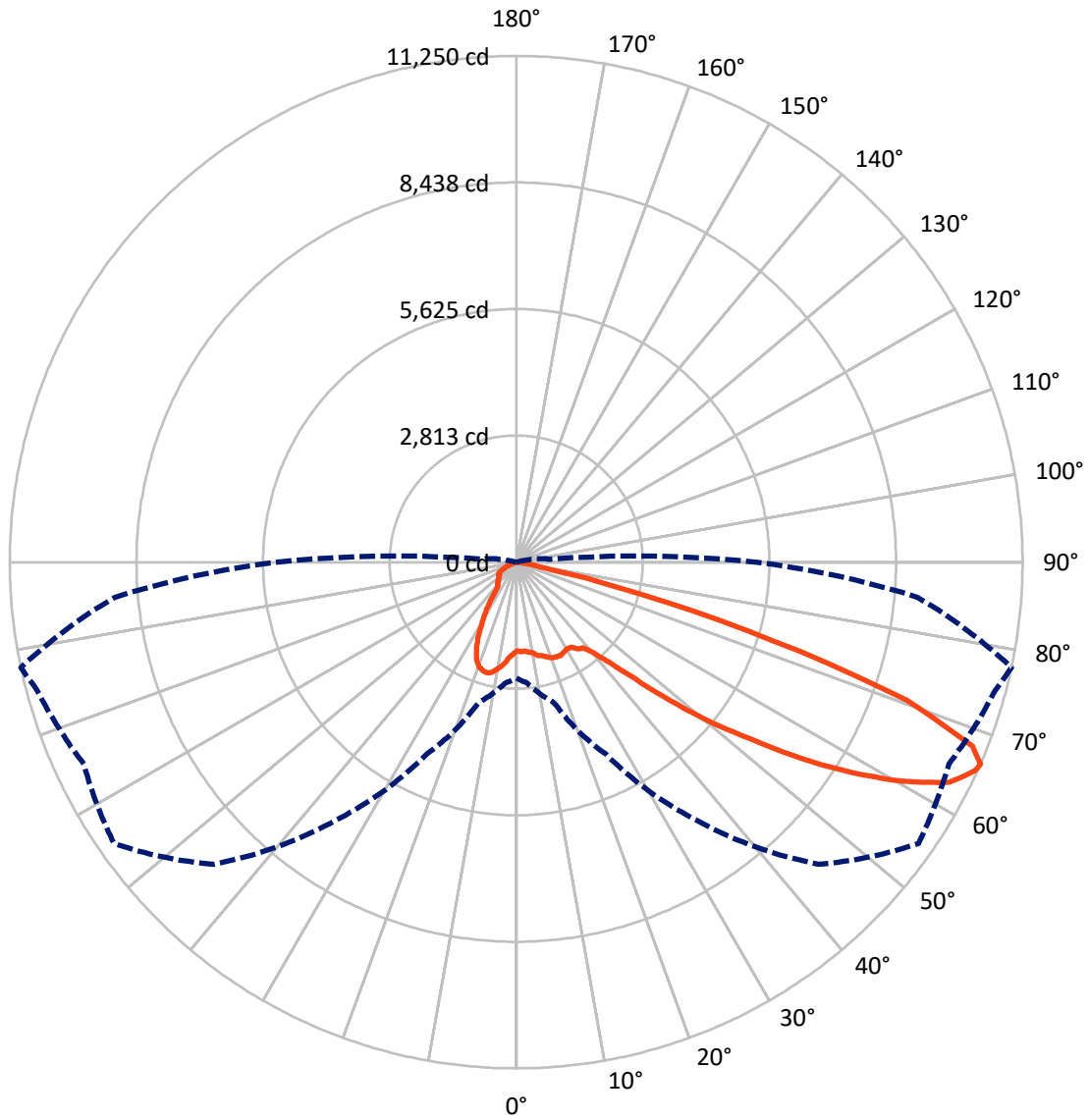
✕ Max cd  
 - - - 1/2 Max cd



Based on 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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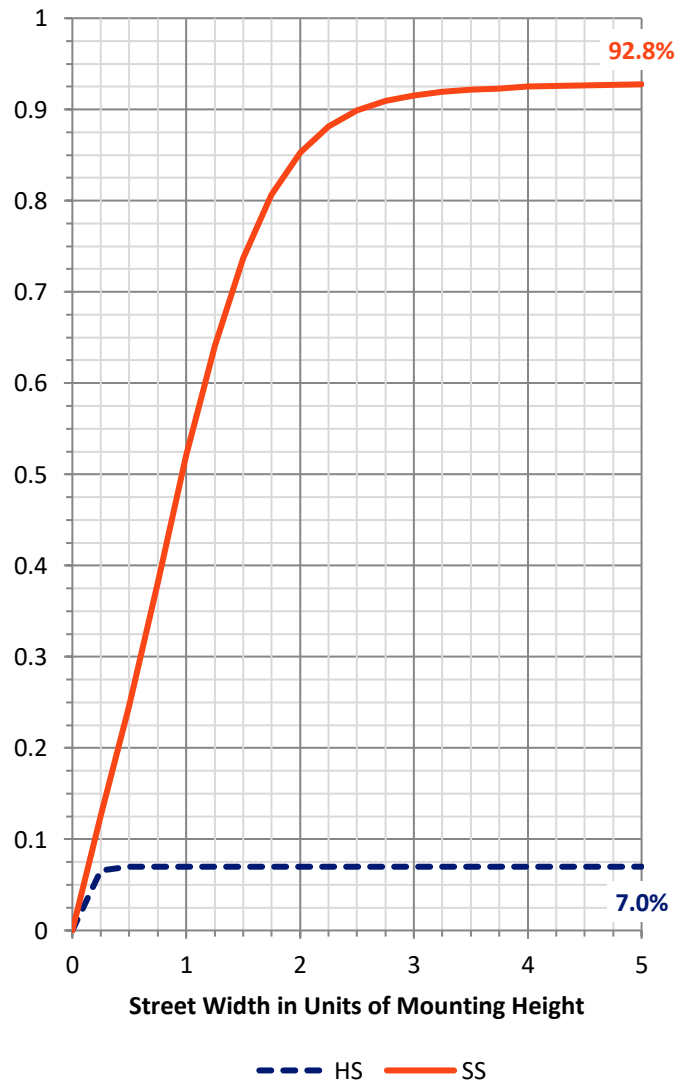
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	865.2	0.0	865.2
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	11441.1	0.0	11441.1
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	12306.3	0.0	12306.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.3	1.5
10°-20°	407.1	3.3
20°-30°	581.8	4.7
30°-40°	995.9	8.1
40°-50°	1797.5	14.6
50°-60°	3074.0	25.0
60°-70°	3783.5	30.7
70°-80°	1430.4	11.6
80°-90°	55.9	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°	12306.3	100.0
0°-180°	12306.3	100.0

**Coefficient of Utilization**

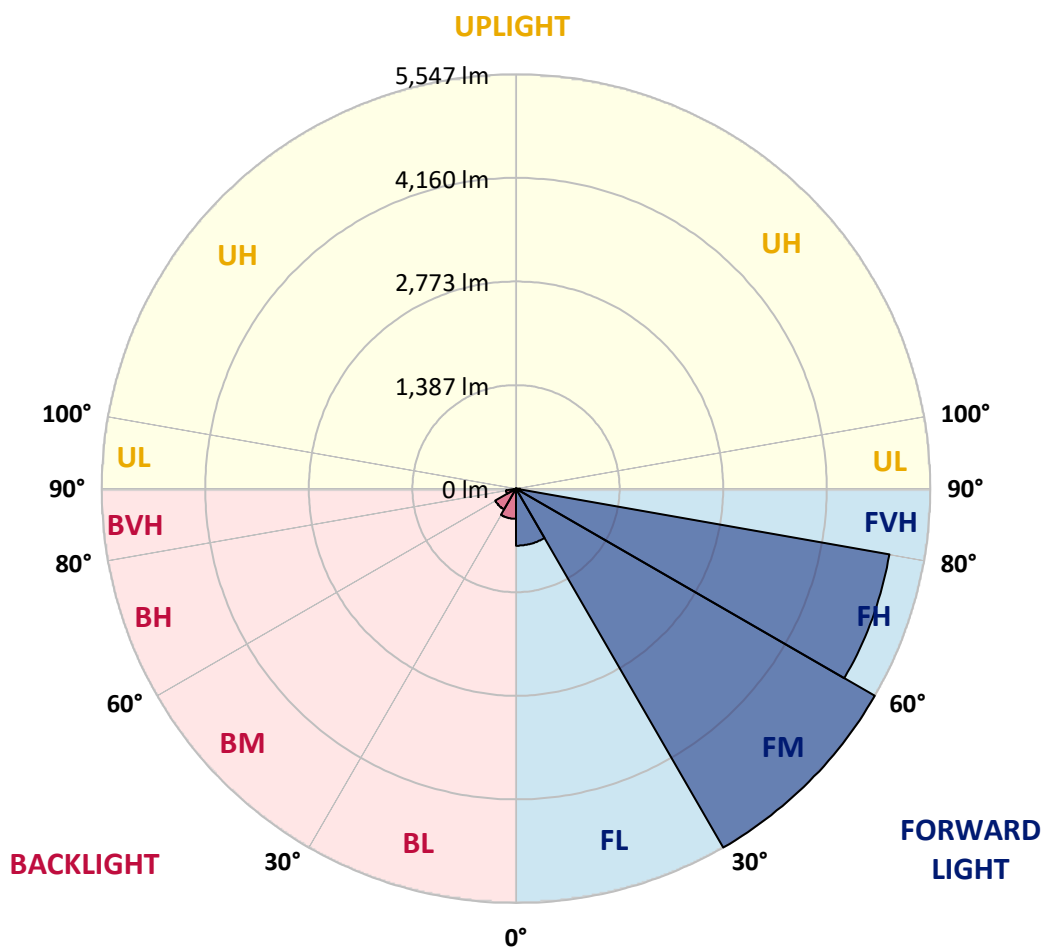


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.0	6.2			
FM (30°-60°)	5546.7	45.1			
FH (60°-80°)	5076.8	41.3			G3/7500
FVH (80°-90°)	53.6	0.4			G1/100
BL (0°-30°)	405.2	3.3	B1/500		
BM (30°-60°)	320.7	2.6	B1/1000		
BH (60°-80°)	137.1	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°	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1
2.5°	1813.0	1796.3	1813.0	1837.2	1850.2	1861.4	1900.4	1933.9	1969.2	1993.4	1985.9
5°	1681.0	1712.6	1716.3	1723.8	1744.2	1811.2	1833.5	1891.1	1978.5	1985.9	2019.4
7.5°	1576.9	1567.6	1591.7	1640.1	1692.1	1731.2	1796.3	1896.7	1987.8	2019.4	2084.5
10°	1426.2	1444.8	1470.9	1519.2	1582.4	1679.1	1794.4	1906.0	2036.2	2047.3	2168.2
12.5°	1344.4	1325.8	1366.7	1416.9	1524.8	1614.0	1755.4	1889.3	2065.9	2127.3	2266.7
15°	1277.5	1286.8	1325.8	1359.3	1448.6	1562.0	1727.5	1930.2	2116.1	2158.9	2370.9
17.5°	1249.6	1244.0	1273.8	1307.2	1416.9	1545.2	1716.3	1932.0	2160.7	2216.5	2441.5
20°	1262.6	1273.8	1264.5	1296.1	1364.9	1495.0	1733.1	1967.4	2194.2	2270.5	2517.8
22.5°	1467.1	1452.3	1377.9	1318.4	1322.1	1474.6	1720.0	1989.7	2224.0	2285.3	2569.8
25°	2000.8	1920.9	1736.8	1508.1	1357.4	1418.8	1705.2	1982.2	2218.4	2294.6	2601.4
27.5°	2538.2	2469.4	2289.0	1933.9	1500.6	1396.5	1653.1	1987.8	2190.5	2261.2	2549.4
30°	3105.4	3142.6	2874.8	2452.7	1876.2	1519.2	1619.6	1958.1	2171.9	2231.4	2560.5
32.5°	3687.4	3672.5	3510.7	3053.3	2413.6	1790.7	1673.6	1987.8	2196.1	2253.7	2625.6
35°	4143.0	4090.9	3927.3	3514.5	2858.1	2199.8	1859.5	2129.1	2302.1	2370.9	2718.6
37.5°	4368.0	4390.3	4295.4	3936.6	3345.2	2579.1	2091.9	2129.1	2335.5	2415.5	2869.2
40°	4542.8	4609.7	4574.4	4459.1	3828.7	3006.8	2348.6	2261.2	2504.7	2655.4	3151.9
42.5°	4752.9	4721.3	4929.5	4823.5	4460.9	3546.1	2798.6	2575.4	2904.5	3049.6	3575.8
45°	4864.5	4985.3	5143.4	5279.1	5046.7	4219.2	3386.2	3131.4	3516.3	3700.4	4206.2
47.5°	5150.8	5199.2	5455.8	5626.9	5522.7	4989.0	4278.7	3944.0	4286.2	4576.2	4927.7
50°	5318.2	5253.1	5612.0	5872.3	5931.8	5626.9	5078.3	4818.0	5201.0	5571.1	5602.7
52.5°	5171.3	5357.2	5716.1	6182.8	6348.3	6195.9	6017.3	5903.9	6173.5	6515.7	6363.2
55°	4656.2	4782.6	5656.6	6523.1	7056.8	6986.1	7151.6	7077.3	7348.8	7711.4	7252.1
57.5°	4241.5	4399.6	5167.6	6699.8	7716.9	7925.2	8133.5	8087.0	8414.2	8832.6	8005.2
60°	3983.1	4074.2	4814.2	6655.2	8107.4	8895.9	9366.3	9039.0	9572.7	9892.5	8594.6
62.5°	3534.9	3592.6	4299.2	6063.8	8224.6	9582.0	10379.7	9935.3	10398.3	10788.8	9018.6
65°	2833.9	2990.1	3574.0	5178.7	7451.0	9708.5	11012.0	10489.4	10937.6	11194.2	9146.9
66°	2579.1	2692.6	3228.1	4710.1	7010.3	9498.3	10906.0	10604.7	11015.7	11250.0	8949.8
67.5°	2140.3	2238.8	2664.7	4042.6	6108.5	9035.3	10980.4	10526.6	11075.2	10932.0	8685.7
70°	1416.9	1480.2	1822.3	2733.5	4254.5	7391.5	10184.5	9916.7	9736.4	9199.0	6790.9
72.5°	662.0	753.1	1138.0	1656.8	2495.5	5171.3	8304.5	7945.7	6828.1	5969.0	4284.3
75°	299.4	340.3	624.8	950.2	1119.4	2679.5	5357.2	4838.4	3399.2	2822.7	1876.2
77.5°	161.8	184.1	305.0	451.9	407.2	939.0	2651.6	2205.4	1071.1	784.7	544.8
80°	124.6	146.9	254.8	258.5	150.6	243.6	985.5	682.4	267.8	202.7	130.2
82.5°	65.1	93.0	200.8	167.4	76.2	98.6	305.0	189.7	83.7	66.9	55.8
85°	26.0	40.9	113.4	111.6	44.6	33.5	85.5	57.6	33.5	27.9	26.0
87.5°	1.9	1.9	61.4	42.8	27.9	9.3	13.0	13.0	16.7	14.9	18.6
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°	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1	1971.1
2.5°	2019.4	2041.7	2045.5	2106.8	2119.8	2106.8	2140.3	2134.7	2149.6	2138.4	2118.0
5°	2065.9	2097.5	2158.9	2205.4	2205.4	2168.2	2138.4	2099.4	2041.7	2026.9	2015.7
7.5°	2145.9	2246.3	2302.1	2272.3	2212.8	2073.3	1880.0	1738.6	1619.6	1575.0	1554.5
10°	2287.2	2343.0	2408.1	2287.2	2039.9	1744.2	1418.8	1205.0	1037.6	1000.4	972.5
12.5°	2378.3	2467.6	2504.7	2205.4	1720.0	1279.3	926.0	684.3	567.1	477.9	463.0
15°	2497.3	2599.6	2523.3	1984.1	1355.6	838.6	479.8	299.4	243.6	228.7	228.7
17.5°	2579.1	2690.7	2447.1	1708.9	961.4	446.3	238.0	206.4	202.7	204.5	200.8
20°	2722.3	2789.3	2331.8	1389.0	574.6	228.7	191.5	184.1	180.4	186.0	182.2
22.5°	2776.2	2837.6	2144.0	1006.0	258.5	152.5	143.2	137.6	141.3	139.5	137.6
25°	2772.5	2804.1	1835.3	576.4	76.2	59.5	53.9	53.9	50.2	52.1	50.2
27.5°	2800.4	2722.3	1489.5	171.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	2815.3	2590.3	1059.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2822.7	2521.5	682.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	2880.4	2383.9	291.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2919.4	2207.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3081.2	2151.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3291.3	2047.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	3583.3	1893.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3970.0	1801.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4258.3	1658.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	4624.6	1573.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5059.7	1576.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	5455.8	1550.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	5658.5	1325.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	5615.7	1072.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	5466.9	842.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	5364.7	745.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	5054.1	596.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4022.1	409.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2558.7	251.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1178.9	115.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	370.0	70.7	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	96.7	44.6	14.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.2	31.6	13.0	5.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.6	13.0	5.6	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.9	7.4	3.7	3.7	1.9	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)