

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: P482875

Luminaire Tested: **IFLD-S-SA3A-750-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482875
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-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

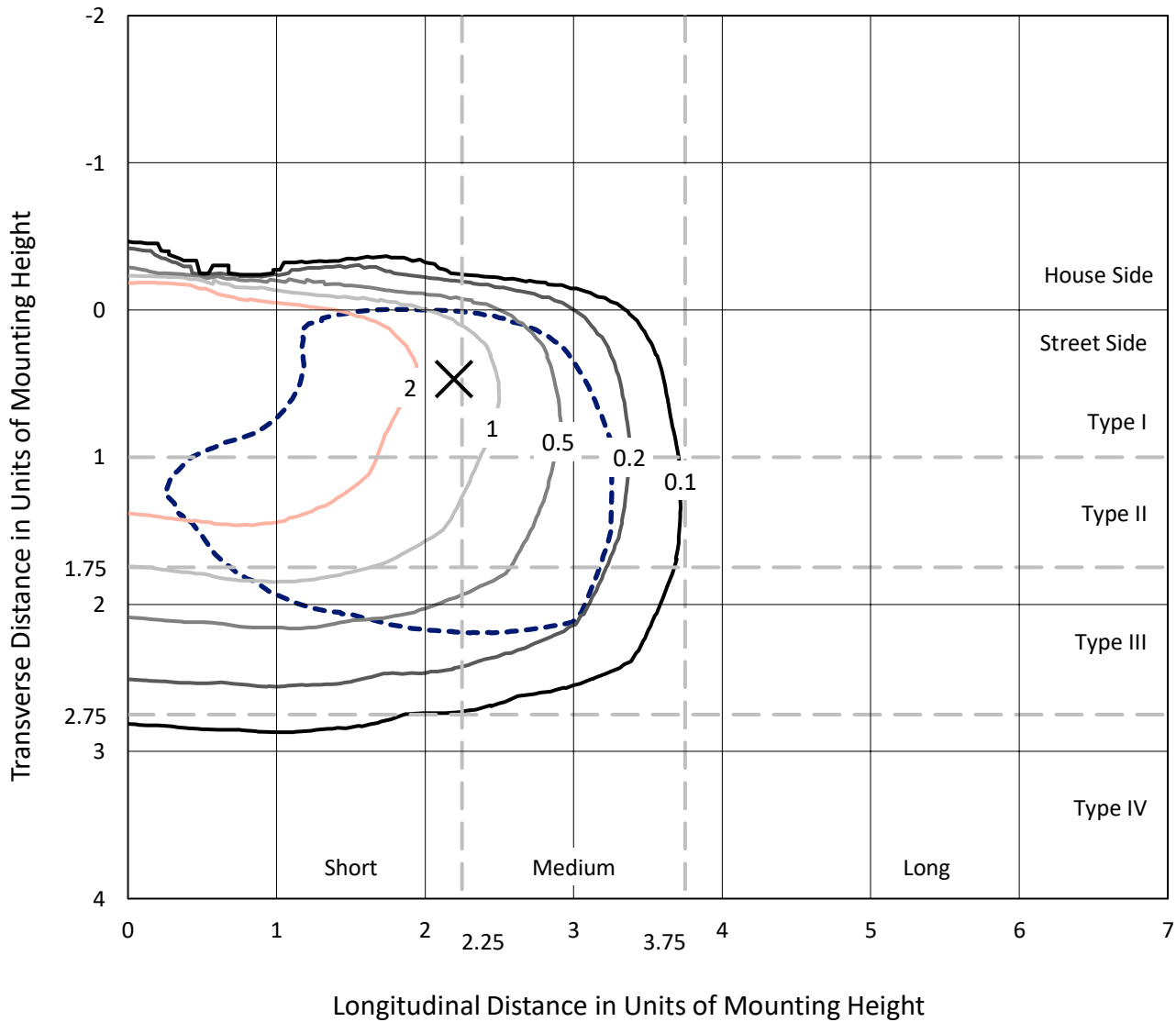
Lumens per Lamp: N/A
Luminaire Lumens: 10088.2 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8
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

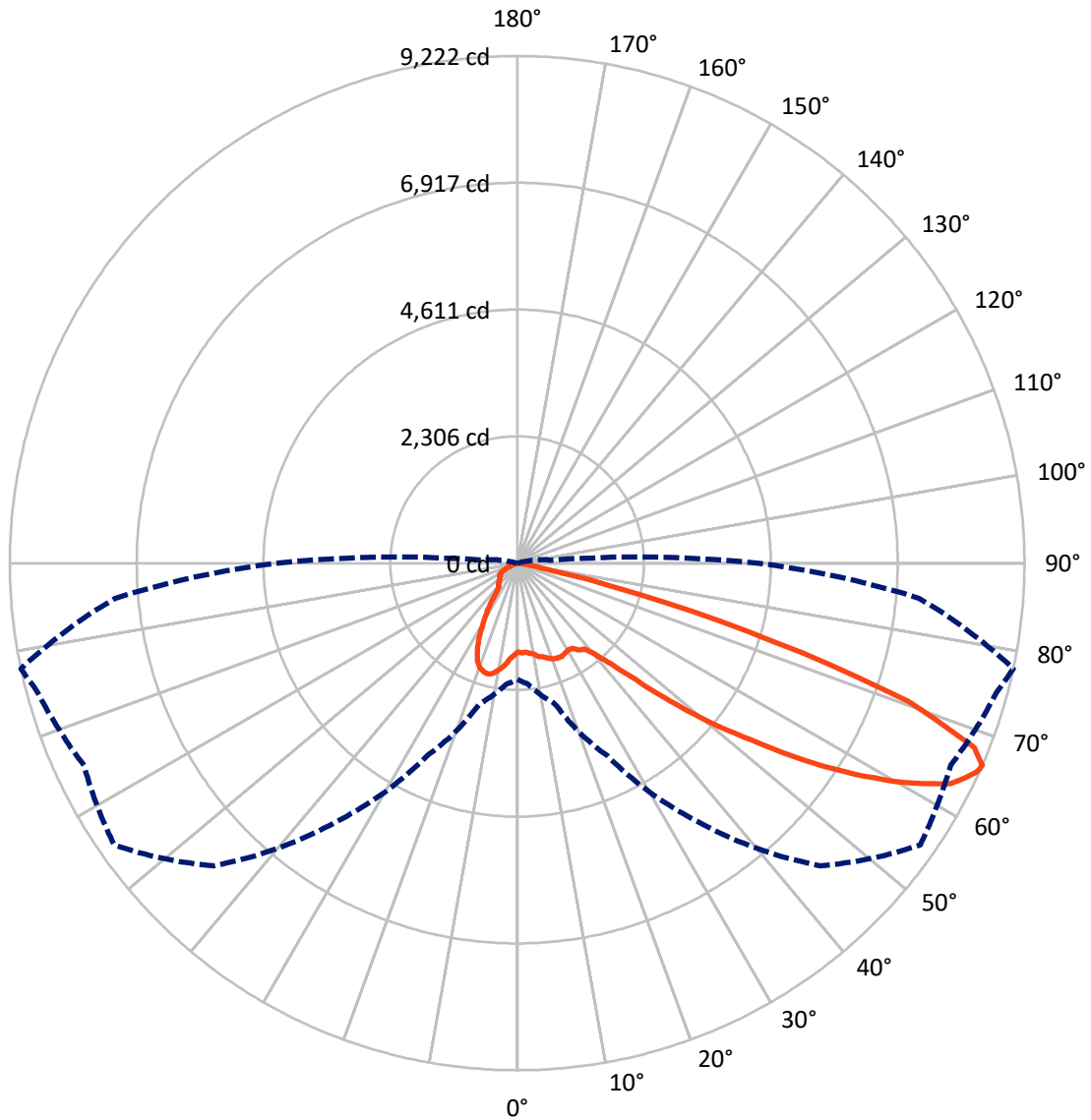
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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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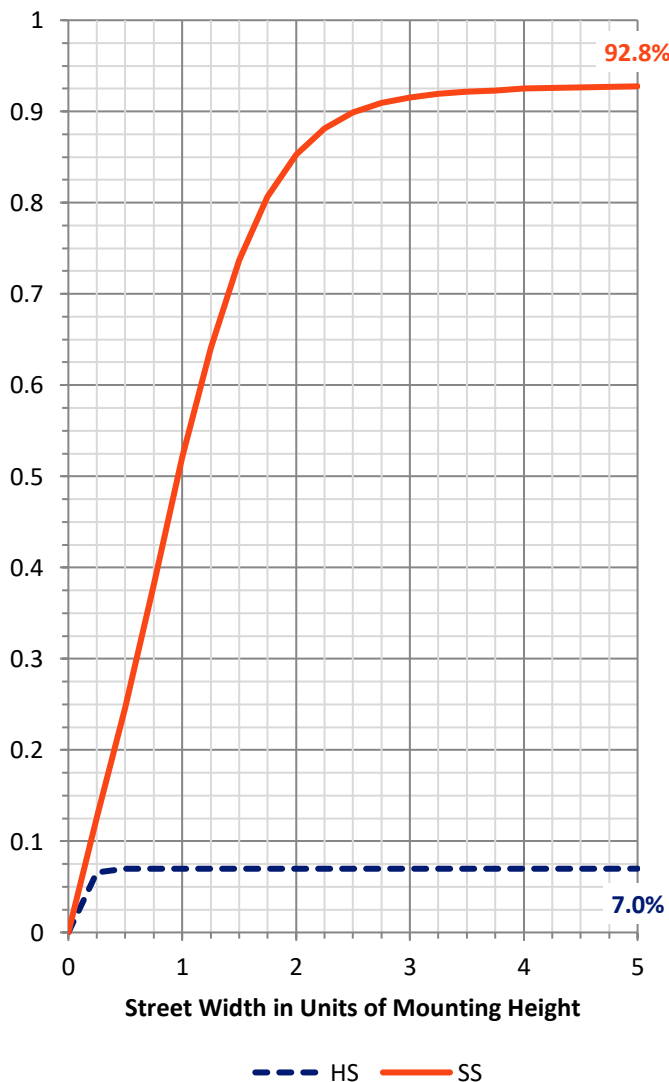
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	709.2	0.0	709.2
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	9379.0	0.0	9379.0
	% Fixture	93.0	0.0	93.0
Total	Lumens	10088.2	0.0	10088.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.5
10°-20°	333.7	3.3
20°-30°	476.9	4.7
30°-40°	816.4	8.1
40°-50°	1473.5	14.6
50°-60°	2519.9	25.0
60°-70°	3101.6	30.7
70°-80°	1172.6	11.6
80°-90°	45.8	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°	10088.2	100.0
0°-180°	10088.2	100.0

Coefficient of Utilization

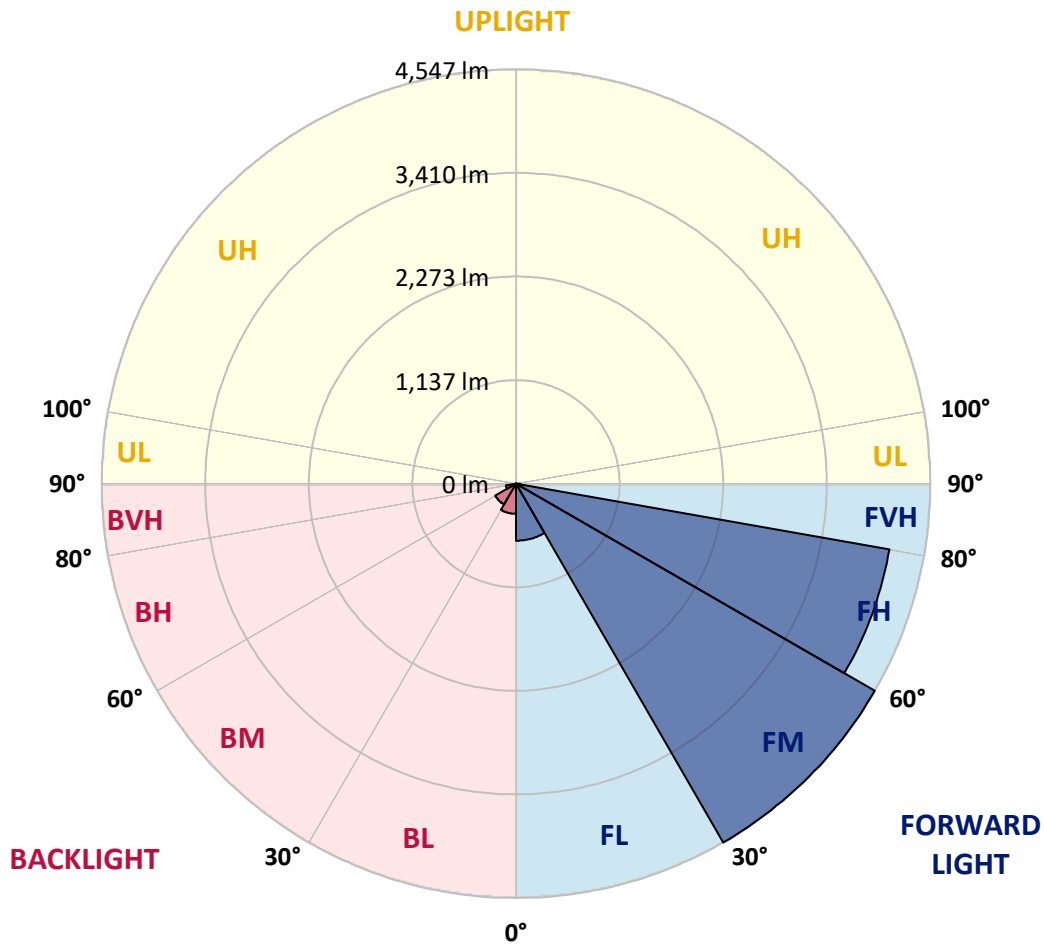


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.3	6.2			
FM (30°-60°)	4547.0	45.1			
FH (60°-80°)	4161.8	41.3			G2/5000
FVH (80°-90°)	44.0	0.4			G1/100
BL (0°-30°)	332.2	3.3	B1/500		
BM (30°-60°)	262.9	2.6	B1/1000		
BH (60°-80°)	112.4	1.1	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8
2.5°	1486.2	1472.5	1486.2	1506.1	1516.7	1525.9	1557.9	1585.3	1614.3	1634.1	1628.0
5°	1378.0	1403.9	1407.0	1413.1	1429.8	1484.7	1503.0	1550.3	1621.9	1628.0	1655.4
7.5°	1292.6	1285.0	1304.8	1344.5	1387.2	1419.2	1472.5	1554.8	1629.5	1655.4	1708.8
10°	1169.2	1184.4	1205.8	1245.4	1297.2	1376.5	1471.0	1562.5	1669.2	1678.3	1777.4
12.5°	1102.1	1086.9	1120.4	1161.6	1250.0	1323.1	1439.0	1548.7	1693.5	1743.9	1858.2
15°	1047.2	1054.8	1086.9	1114.3	1187.5	1280.5	1416.1	1582.3	1734.7	1769.8	1943.5
17.5°	1024.4	1019.8	1044.2	1071.6	1161.6	1266.7	1407.0	1583.8	1771.3	1817.0	2001.5
20°	1035.0	1044.2	1036.6	1062.5	1118.9	1225.6	1420.7	1612.8	1798.7	1861.2	2064.0
22.5°	1202.7	1190.5	1129.5	1080.8	1083.8	1208.8	1410.0	1631.0	1823.1	1873.4	2106.6
25°	1640.2	1574.6	1423.7	1236.2	1112.8	1163.1	1397.8	1625.0	1818.5	1881.0	2132.6
27.5°	2080.7	2024.3	1876.5	1585.3	1230.1	1144.8	1355.1	1629.5	1795.7	1853.6	2089.9
30°	2545.7	2576.1	2356.6	2010.6	1538.1	1245.4	1327.7	1605.1	1780.4	1829.2	2099.0
32.5°	3022.8	3010.6	2878.0	2503.0	1978.6	1467.9	1371.9	1629.5	1800.3	1847.5	2152.4
35°	3396.2	3353.6	3219.4	2881.0	2342.9	1803.3	1524.3	1745.4	1887.1	1943.5	2228.6
37.5°	3580.7	3599.0	3521.2	3227.0	2742.3	2114.3	1714.9	1745.4	1914.6	1980.1	2352.1
40°	3724.0	3778.9	3749.9	3655.4	3138.6	2464.9	1925.2	1853.6	2053.3	2176.8	2583.8
42.5°	3896.2	3870.3	4041.0	3954.2	3656.9	2906.9	2294.1	2111.2	2381.0	2499.9	2931.3
45°	3987.7	4086.8	4216.3	4327.6	4137.1	3458.7	2775.8	2567.0	2882.5	3033.4	3448.1
47.5°	4222.4	4262.1	4472.4	4612.7	4527.3	4089.8	3507.5	3233.1	3513.6	3751.4	4039.5
50°	4359.6	4306.3	4600.5	4813.9	4862.7	4612.7	4163.0	3949.6	4263.6	4566.9	4592.9
52.5°	4239.2	4391.6	4685.8	5068.4	5204.1	5079.1	4932.8	4839.8	5060.8	5341.3	5216.3
55°	3817.0	3920.6	4637.1	5347.4	5784.9	5727.0	5862.6	5801.7	6024.2	6321.5	5944.9
57.5°	3477.0	3606.6	4236.2	5492.2	6326.0	6496.8	6667.5	6629.4	6897.7	7240.6	6562.3
60°	3265.1	3339.8	3946.5	5455.6	6646.1	7292.5	7678.1	7409.8	7847.3	8109.5	7045.5
62.5°	2897.8	2945.0	3524.3	4970.9	6742.2	7855.0	8508.9	8144.6	8524.1	8844.3	7393.1
65°	2323.1	2451.1	2929.8	4245.3	6108.1	7958.6	9027.2	8598.8	8966.2	9176.6	7498.3
66°	2114.3	2207.3	2646.3	3861.2	5746.8	7786.4	8940.3	8693.3	9030.2	9222.3	7336.7
67.5°	1754.5	1835.3	2184.4	3313.9	5007.5	7406.8	9001.3	8629.3	9079.0	8961.6	7120.2
70°	1161.6	1213.4	1493.9	2240.8	3487.7	6059.3	8348.8	8129.3	7981.5	7540.9	5566.9
72.5°	542.7	617.4	932.9	1358.2	2045.7	4239.2	6807.7	6513.5	5597.4	4893.1	3512.1
75°	245.4	279.0	512.2	778.9	917.7	2196.6	4391.6	3966.3	2786.5	2314.0	1538.1
77.5°	132.6	150.9	250.0	370.4	333.8	769.8	2173.7	1807.9	878.0	643.3	446.6
80°	102.1	120.4	208.8	211.9	123.5	199.7	807.9	559.4	219.5	166.2	106.7
82.5°	53.4	76.2	164.6	137.2	62.5	80.8	250.0	155.5	68.6	54.9	45.7
85°	21.3	33.5	93.0	91.5	36.6	27.4	70.1	47.3	27.4	22.9	21.3
87.5°	1.5	1.5	50.3	35.1	22.9	7.6	10.7	10.7	13.7	12.2	15.2
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°	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8	1615.8
2.5°	1655.4	1673.7	1676.8	1727.1	1737.8	1727.1	1754.5	1749.9	1762.1	1753.0	1736.2
5°	1693.5	1719.5	1769.8	1807.9	1807.9	1777.4	1753.0	1721.0	1673.7	1661.5	1652.4
7.5°	1759.1	1841.4	1887.1	1862.8	1814.0	1699.6	1541.1	1425.3	1327.7	1291.1	1274.4
10°	1874.9	1920.7	1974.0	1874.9	1672.2	1429.8	1163.1	987.8	850.6	820.1	797.2
12.5°	1949.6	2022.8	2053.3	1807.9	1410.0	1048.7	759.1	561.0	464.9	391.8	379.6
15°	2047.2	2131.0	2068.5	1626.5	1111.2	687.5	393.3	245.4	199.7	187.5	187.5
17.5°	2114.3	2205.7	2006.0	1400.9	788.1	365.8	195.1	169.2	166.2	167.7	164.6
20°	2231.6	2286.5	1911.5	1138.7	471.0	187.5	157.0	150.9	147.9	152.4	149.4
22.5°	2275.8	2326.2	1757.6	824.7	211.9	125.0	117.4	112.8	115.9	114.3	112.8
25°	2272.8	2298.7	1504.5	472.5	62.5	48.8	44.2	44.2	41.2	42.7	41.2
27.5°	2295.7	2231.6	1221.0	140.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	2307.9	2123.4	868.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2314.0	2067.0	559.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	2361.2	1954.2	239.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2393.2	1809.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2525.8	1763.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2698.1	1678.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2937.4	1551.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3254.5	1477.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3490.8	1359.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3791.0	1289.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4147.7	1292.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	4472.4	1271.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	4638.6	1086.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	4603.5	879.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4481.6	690.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	4397.7	611.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4143.2	489.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3297.2	335.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2097.5	205.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	966.4	94.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	303.3	57.9	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	79.3	36.6	12.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.2	25.9	10.7	4.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.9	10.7	4.6	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.9	6.1	3.0	3.0	1.5	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)