

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: P482675

Luminaire Tested: **IFLD-S-SA2A-722-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482675  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-722-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

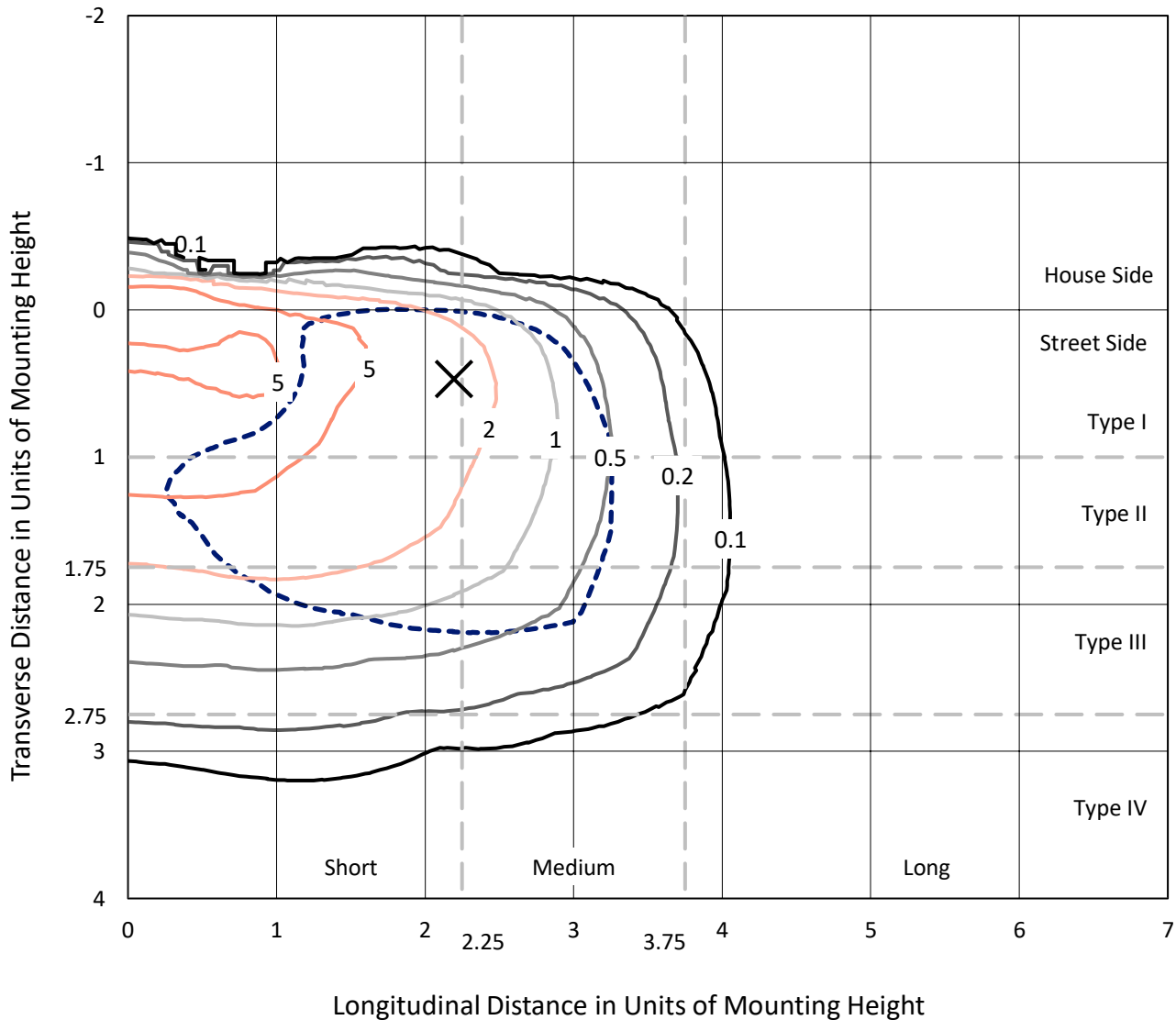
Lumens per Lamp: N/A  
Luminaire Lumens: 4874.7 lumens  
Efficiency: N/A  
Efficacy: 76.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8  
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

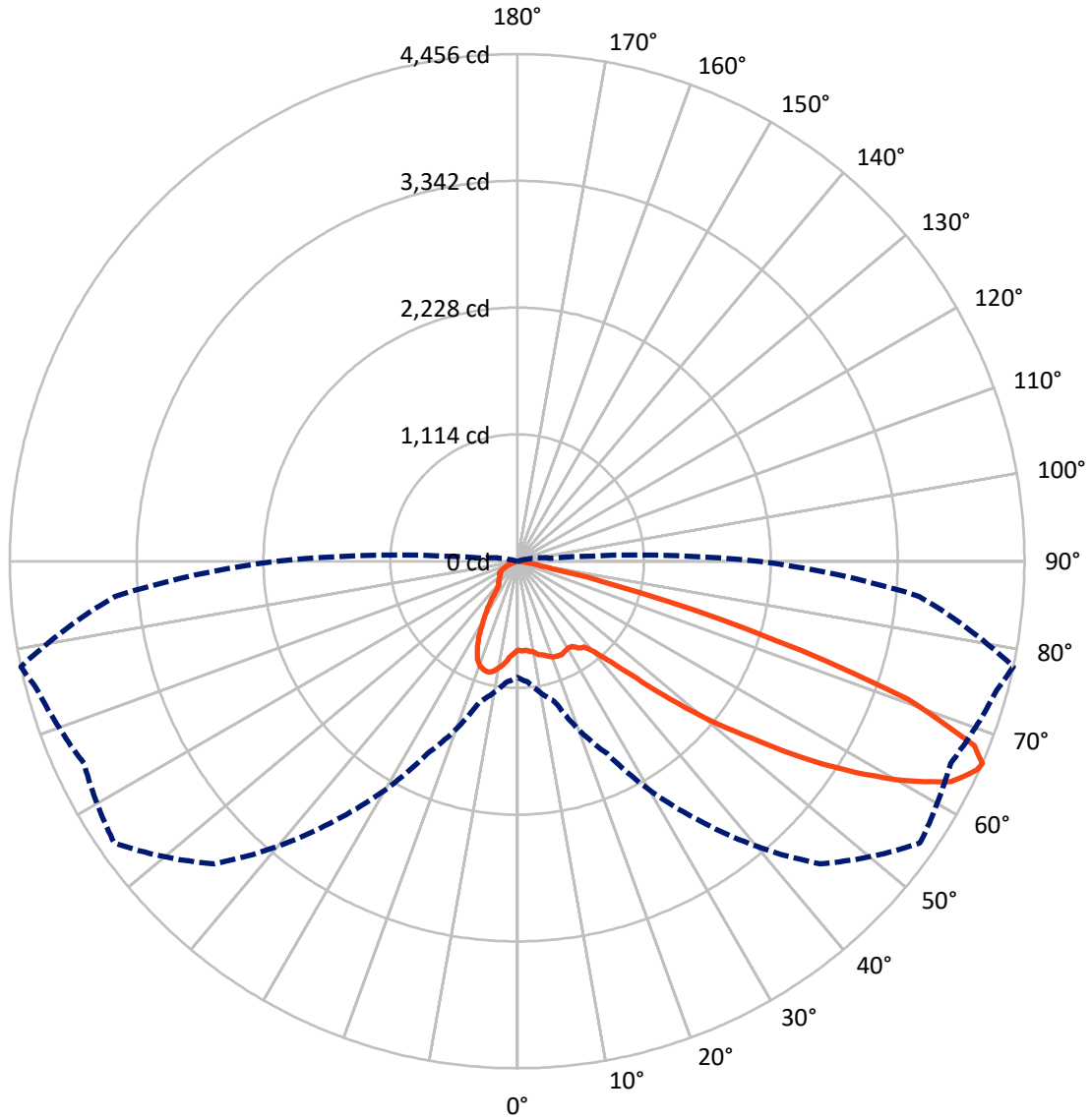
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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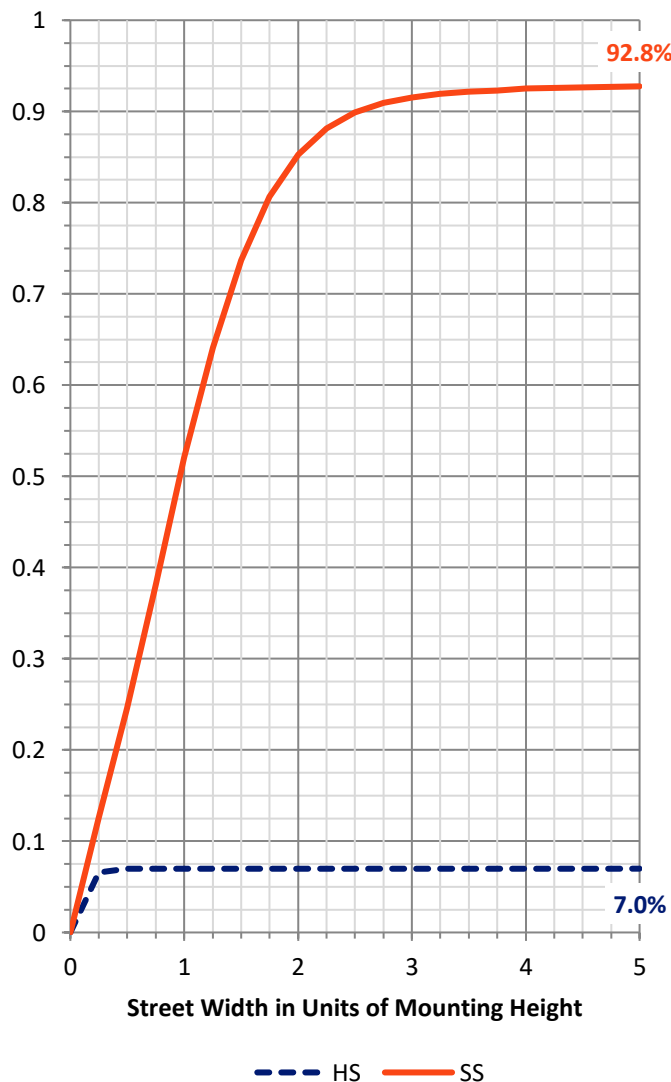
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	342.7	0.0	342.7
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	4532.0	0.0	4532.0
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	4874.7	0.0	4874.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	1.5
10°-20°	161.2	3.3
20°-30°	230.5	4.7
30°-40°	394.5	8.1
40°-50°	712.0	14.6
50°-60°	1217.6	25.0
60°-70°	1498.7	30.7
70°-80°	566.6	11.6
80°-90°	22.1	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°	4874.7	100.0
0°-180°	4874.7	100.0

**Coefficient of Utilization**

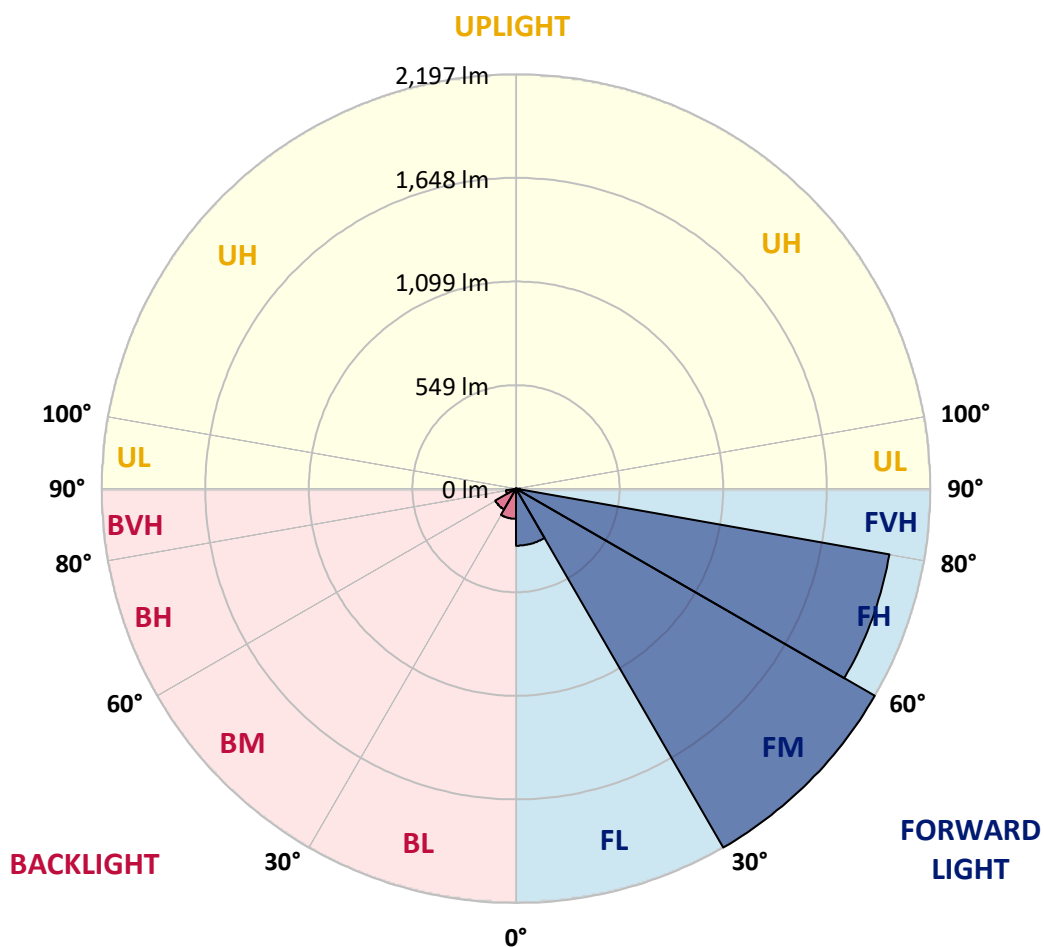


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.6	6.2			
FM (30°-60°)	2197.1	45.1			
FH (60°-80°)	2011.0	41.3			G2/5000
FVH (80°-90°)	21.2	0.4			G1/100
BL (0°-30°)	160.5	3.3	B1/500		
BM (30°-60°)	127.0	2.6	B0/220		
BH (60°-80°)	54.3	1.1	B0/110		G0/110
BVH (80°-90°)	0.9	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°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	718.2	711.5	718.2	727.7	732.9	737.3	752.8	766.0	780.0	789.6	786.7
5°	665.9	678.4	679.9	682.8	690.9	717.4	726.3	749.1	783.7	786.7	799.9
7.5°	624.6	620.9	630.5	649.7	670.3	685.7	711.5	751.3	787.4	799.9	825.7
10°	565.0	572.3	582.6	601.8	626.8	665.1	710.8	755.0	806.5	811.0	858.8
12.5°	532.5	525.2	541.4	561.3	604.0	639.3	695.3	748.4	818.3	842.6	897.9
15°	506.0	509.7	525.2	538.4	573.8	618.7	684.3	764.6	838.2	855.2	939.1
17.5°	495.0	492.8	504.6	517.8	561.3	612.1	679.9	765.3	855.9	878.0	967.1
20°	500.1	504.6	500.9	513.4	540.6	592.2	686.5	779.3	869.2	899.4	997.3
22.5°	581.2	575.3	545.8	522.2	523.7	584.1	681.3	788.1	880.9	905.2	1017.9
25°	792.6	760.9	688.0	597.4	537.7	562.0	675.4	785.2	878.7	908.9	1030.5
27.5°	1005.4	978.2	906.7	766.0	594.4	553.2	654.8	787.4	867.7	895.7	1009.8
30°	1230.1	1244.8	1138.7	971.5	743.2	601.8	641.6	775.6	860.3	883.9	1014.3
32.5°	1460.6	1454.7	1390.7	1209.5	956.1	709.3	662.9	787.4	869.9	892.7	1040.0
35°	1641.1	1620.5	1555.6	1392.1	1132.1	871.4	736.6	843.4	911.9	939.1	1076.9
37.5°	1730.2	1739.1	1701.5	1559.3	1325.1	1021.6	828.6	843.4	925.1	956.8	1136.5
40°	1799.4	1826.0	1812.0	1766.3	1516.6	1191.0	930.3	895.7	992.2	1051.8	1248.5
42.5°	1882.7	1870.2	1952.7	1910.7	1767.0	1404.6	1108.5	1020.2	1150.5	1208.0	1416.4
45°	1926.9	1974.8	2037.4	2091.1	1999.1	1671.3	1341.3	1240.4	1392.9	1465.8	1666.1
47.5°	2040.3	2059.5	2161.1	2228.9	2187.6	1976.2	1694.9	1562.3	1697.8	1812.7	1951.9
50°	2106.6	2080.8	2223.0	2326.1	2349.7	2228.9	2011.6	1908.5	2060.2	2206.8	2219.3
52.5°	2048.4	2122.1	2264.2	2449.1	2514.7	2454.3	2383.6	2338.6	2445.4	2581.0	2520.6
55°	1844.4	1894.5	2240.7	2583.9	2795.3	2767.3	2832.9	2803.4	2910.9	3054.6	2872.6
57.5°	1680.1	1742.7	2046.9	2653.9	3056.8	3139.3	3221.8	3203.4	3333.0	3498.7	3170.9
60°	1577.7	1613.8	1907.0	2636.2	3211.5	3523.8	3710.1	3580.5	3791.9	3918.6	3404.4
62.5°	1400.2	1423.1	1703.0	2402.0	3257.9	3795.6	4111.6	3935.5	4118.9	4273.6	3572.4
65°	1122.5	1184.4	1415.7	2051.4	2951.5	3845.7	4362.0	4155.0	4332.5	4434.2	3623.2
66°	1021.6	1066.6	1278.7	1865.7	2776.9	3762.4	4320.0	4200.7	4363.5	4456.3	3545.1
67.5°	847.8	886.8	1055.5	1601.3	2419.6	3579.0	4349.5	4169.7	4387.0	4330.3	3440.5
70°	561.3	586.3	721.8	1082.8	1685.3	2927.9	4034.2	3928.1	3856.7	3643.8	2690.0
72.5°	262.2	298.3	450.8	656.3	988.5	2048.4	3289.5	3147.4	2704.7	2364.4	1697.1
75°	118.6	134.8	247.5	376.4	443.4	1061.4	2122.1	1916.6	1346.5	1118.1	743.2
77.5°	64.1	72.9	120.8	179.0	161.3	372.0	1050.4	873.6	424.3	310.8	215.8
80°	49.4	58.2	100.9	102.4	59.7	96.5	390.4	270.3	106.1	80.3	51.6
82.5°	25.8	36.8	79.5	66.3	30.2	39.0	120.8	75.1	33.1	26.5	22.1
85°	10.3	16.2	44.9	44.2	17.7	13.3	33.9	22.8	13.3	11.0	10.3
87.5°	0.7	0.7	24.3	16.9	11.0	3.7	5.2	5.2	6.6	5.9	7.4
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°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	799.9	808.8	810.2	834.5	839.7	834.5	847.8	845.6	851.5	847.1	839.0
5°	818.3	830.9	855.2	873.6	873.6	858.8	847.1	831.6	808.8	802.9	798.4
7.5°	850.0	889.8	911.9	900.1	876.5	821.3	744.7	688.7	641.6	623.9	615.8
10°	906.0	928.1	953.9	906.0	808.0	690.9	562.0	477.3	411.0	396.3	385.2
12.5°	942.1	977.4	992.2	873.6	681.3	506.8	366.8	271.1	224.7	189.3	183.4
15°	989.2	1029.7	999.5	785.9	537.0	332.2	190.0	118.6	96.5	90.6	90.6
17.5°	1021.6	1065.8	969.3	676.9	380.8	176.8	94.3	81.8	80.3	81.0	79.5
20°	1078.3	1104.9	923.7	550.2	227.6	90.6	75.9	72.9	71.4	73.7	72.2
22.5°	1099.7	1124.0	849.3	398.5	102.4	60.4	56.7	54.5	56.0	55.2	54.5
25°	1098.2	1110.8	727.0	228.3	30.2	23.6	21.4	21.4	19.9	20.6	19.9
27.5°	1109.3	1078.3	590.0	67.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1115.2	1026.0	419.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1118.1	998.8	270.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1141.0	944.3	115.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1156.4	874.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1220.5	852.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1303.7	811.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1419.4	749.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1572.6	713.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1686.8	657.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1831.9	623.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2004.2	624.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2161.1	614.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2241.4	525.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2224.5	425.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2165.5	333.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	2125.0	295.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2002.0	236.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1593.2	162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1013.5	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	467.0	45.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	146.6	28.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.3	17.7	5.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.9	12.5	5.2	2.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.5	5.2	2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	2.9	1.5	1.5	0.7	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)