

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: P483072

Luminaire Tested: **IFLD-S-SA3C-722-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483072  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-722-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

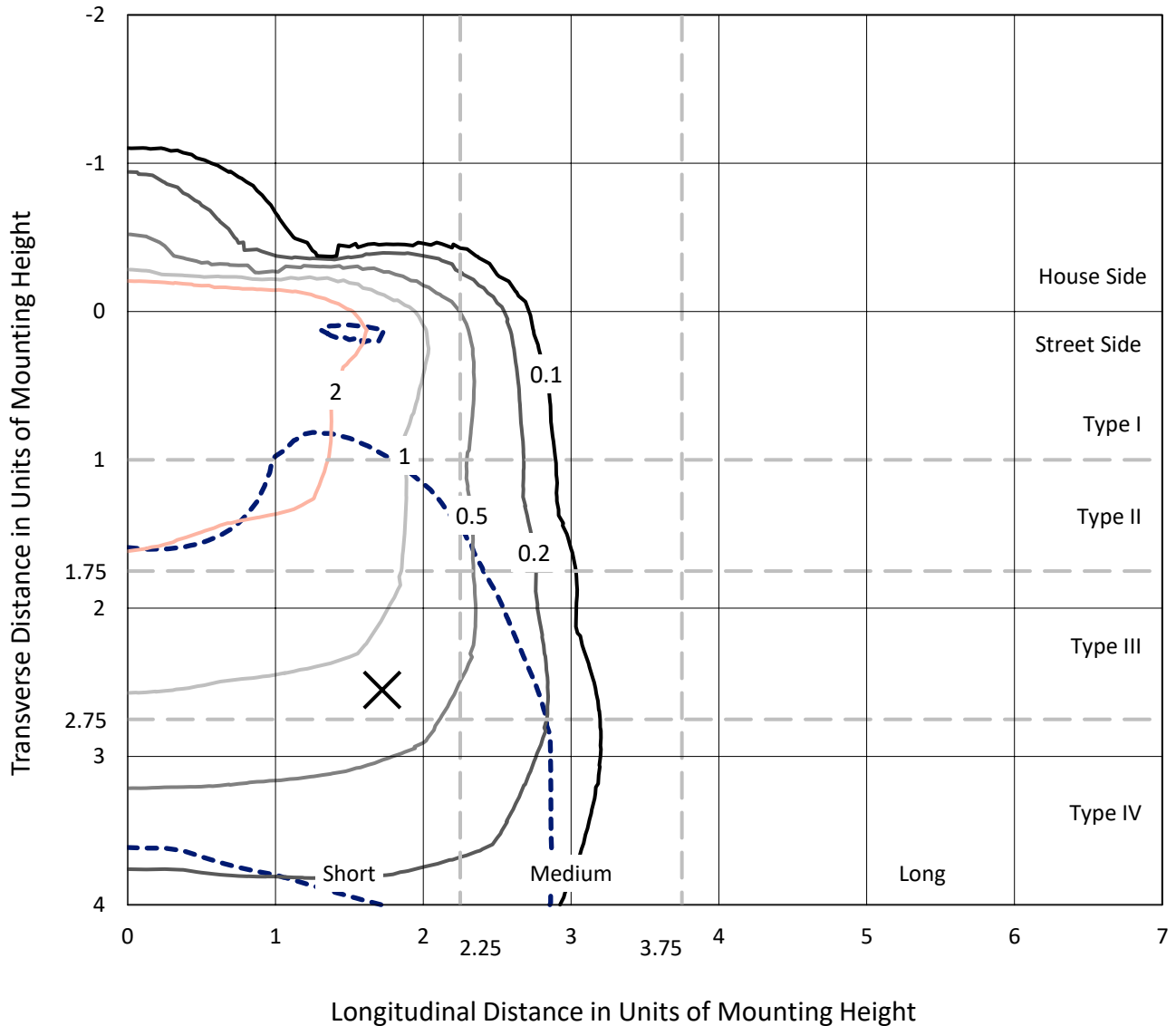
Lumens per Lamp: N/A  
Luminaire Lumens: 11282.1 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 160.8  
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

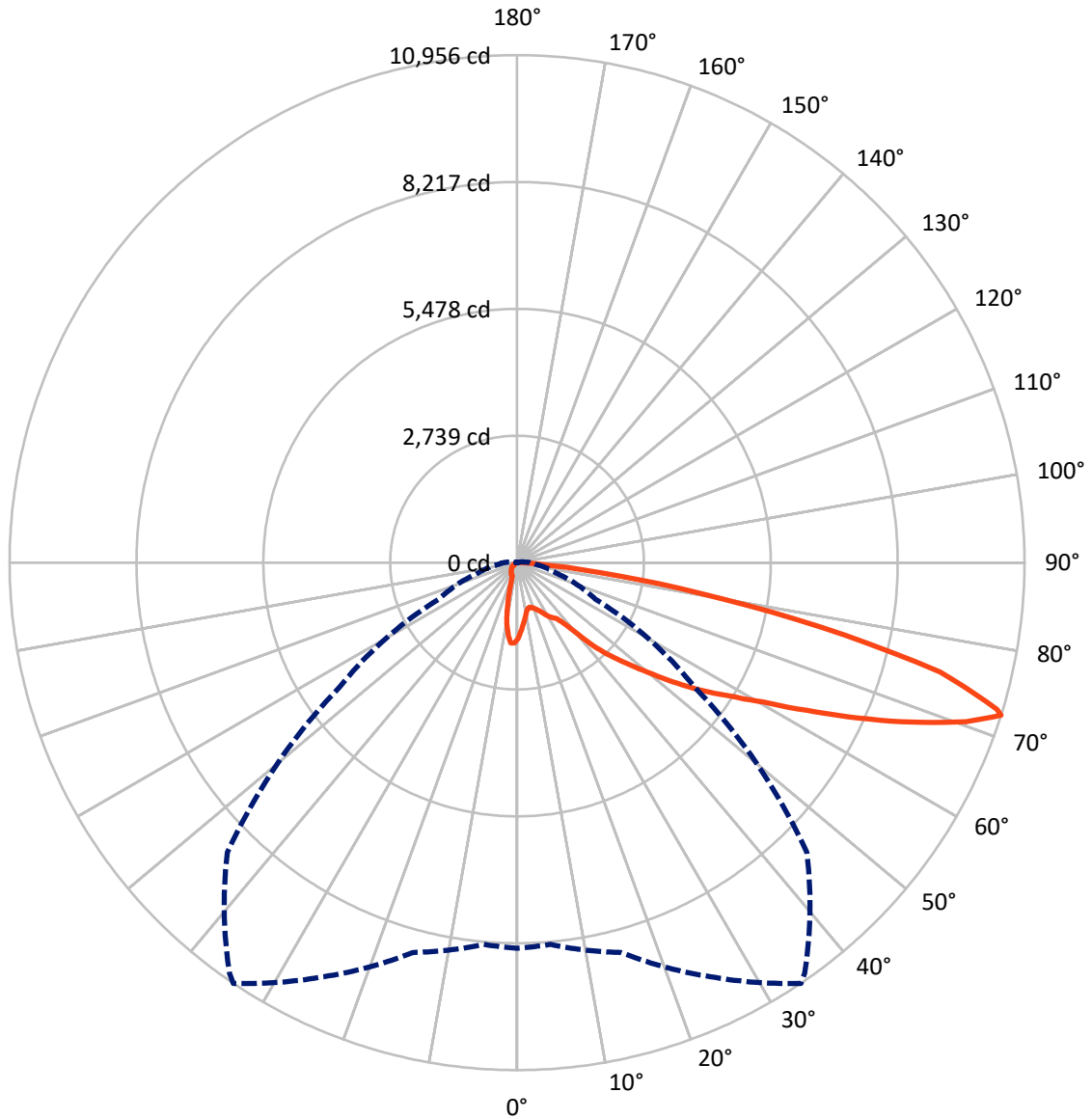
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1155.0	0.0	1155.0
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	10127.1	0.0	10127.1
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	11282.1	0.0	11282.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.3	1.3
10°-20°	324.4	2.9
20°-30°	489.6	4.3
30°-40°	794.6	7.0
40°-50°	1494.2	13.2
50°-60°	2443.0	21.7
60°-70°	3247.6	28.8
70°-80°	2174.9	19.3
80°-90°	170.4	1.5
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°	11282.1	100.0
0°-180°	11282.1	100.0



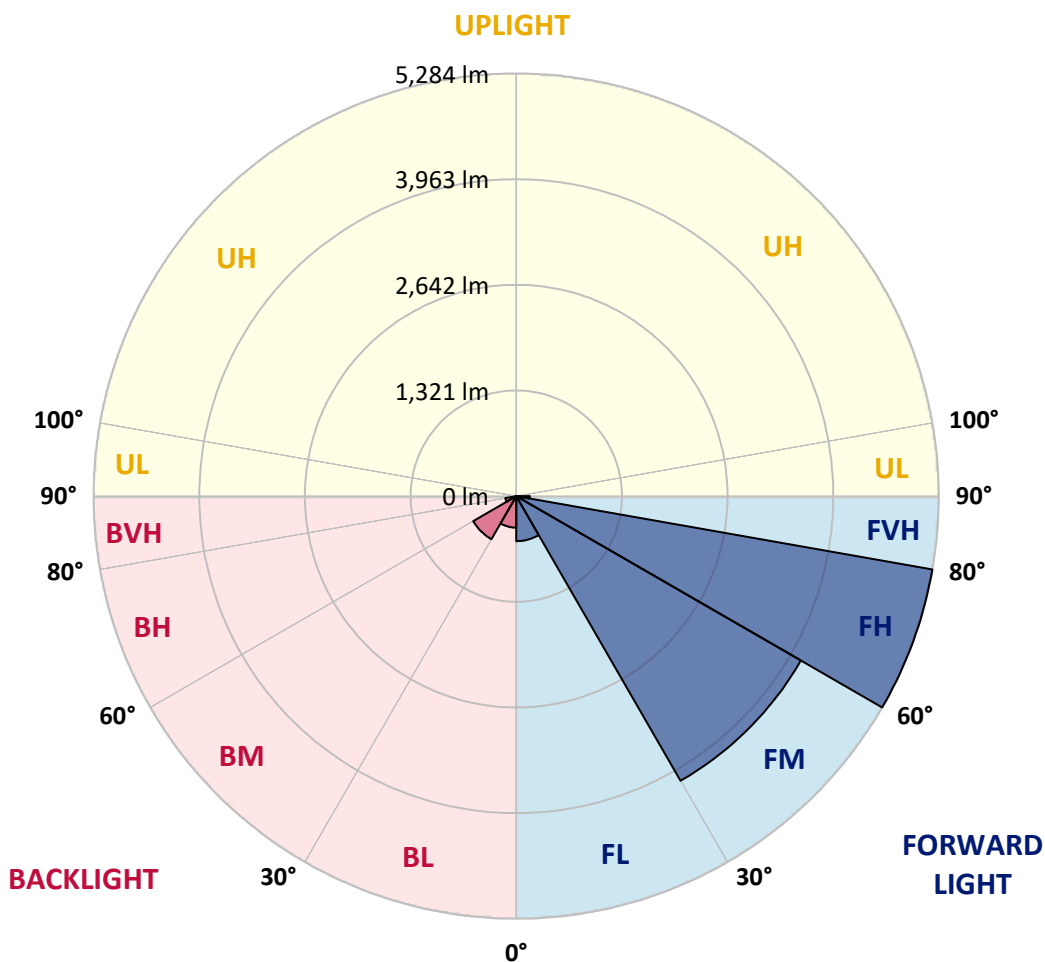
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.2	5.0			
FM (30°-60°)	4110.0	36.4			
FH (60°-80°)	5284.4	46.8			G3/7500
FVH (80°-90°)	169.4	1.5			G2/225
BL (0°-30°)	394.1	3.5	B1/500		
BM (30°-60°)	621.7	5.5	B1/1000		
BH (60°-80°)	138.1	1.2	B1/500		G1/500
BVH (80°-90°)	1.1	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6
2.5°	1459.7	1456.5	1466.3	1482.6	1498.9	1492.4	1523.4	1556.0	1578.8	1609.8	1647.3
5°	1275.4	1283.6	1293.4	1326.0	1347.2	1352.1	1409.2	1451.6	1521.7	1593.5	1660.4
7.5°	1107.5	1117.2	1136.8	1172.7	1216.7	1228.1	1285.2	1370.0	1461.4	1556.0	1665.3
10°	985.1	994.9	1016.1	1039.0	1097.7	1097.7	1176.0	1293.4	1412.5	1523.4	1666.9
12.5°	959.0	963.9	962.3	980.2	1017.7	1025.9	1102.6	1231.4	1370.0	1511.9	1693.0
15°	990.0	993.3	977.0	967.2	999.8	1008.0	1079.7	1193.9	1342.3	1518.5	1735.4
17.5°	1052.0	1040.6	1008.0	993.3	1021.0	1025.9	1092.8	1192.3	1339.1	1536.4	1784.3
20°	1087.9	1100.9	1043.8	1016.1	1055.3	1061.8	1133.5	1218.4	1355.4	1567.4	1852.8
22.5°	1151.5	1158.0	1081.4	1063.4	1100.9	1100.9	1182.5	1270.6	1394.5	1618.0	1934.4
25°	1241.2	1233.0	1143.3	1125.4	1161.3	1176.0	1257.5	1353.7	1454.9	1665.3	2009.4
27.5°	1311.3	1316.2	1242.8	1195.5	1255.9	1265.7	1353.7	1443.4	1500.5	1704.4	2100.7
30°	1415.7	1405.9	1327.6	1273.8	1348.8	1350.5	1435.3	1528.3	1588.6	1774.5	2237.7
32.5°	1539.7	1520.1	1430.4	1353.7	1414.1	1428.8	1515.2	1650.6	1725.6	1906.6	2449.8
35°	1802.3	1755.0	1608.2	1489.1	1494.0	1500.5	1634.3	1828.4	1914.8	2074.6	2733.6
37.5°	2185.5	2166.0	1999.6	1772.9	1686.5	1666.9	1816.9	2063.2	2170.9	2296.5	3102.2
40°	2565.6	2537.8	2382.9	2211.6	2055.1	2015.9	2090.9	2374.7	2472.6	2604.7	3480.6
42.5°	2988.0	2939.1	2756.4	2617.8	2519.9	2477.5	2448.1	2766.2	2877.1	2966.8	3850.8
45°	3415.3	3335.4	3071.2	2965.2	2913.0	2890.1	2886.9	3258.7	3325.6	3343.6	4261.8
47.5°	3790.5	3704.0	3464.3	3345.2	3306.0	3299.5	3482.2	3826.3	3774.1	3726.8	4720.1
50°	4079.1	4023.7	3850.8	3808.4	3779.0	3767.6	4194.9	4410.2	4168.8	4085.7	5123.0
52.5°	4526.0	4402.1	4206.4	4221.0	4323.8	4325.4	4917.5	4964.8	4496.7	4331.9	5503.0
55°	4883.2	4801.7	4641.8	4620.6	4891.4	4920.7	5565.0	5385.6	4679.4	4566.8	5643.3
57.5°	5304.0	5266.5	5150.7	5154.0	5437.8	5499.7	6140.7	5741.1	4831.0	4718.5	5664.5
60°	5912.4	5804.7	5744.4	5772.1	6106.5	6166.8	6698.5	5997.2	4904.4	4818.0	5612.3
62.5°	6584.4	6458.8	6393.5	6535.4	7023.1	7032.9	7122.6	6223.9	4858.8	4844.1	5276.3
65°	7393.3	7269.4	7217.2	7502.6	8081.6	8045.7	7717.9	6320.1	4713.6	4581.5	4393.9
67.5°	8199.1	8124.0	8016.4	8471.4	9192.3	9192.3	8336.1	6284.3	4333.6	3677.9	2873.8
70°	8580.7	8632.9	8804.2	9518.5	10283.5	10205.2	8946.1	5871.6	3226.1	1975.1	1130.3
72°	8326.3	8272.5	8714.5	9861.1	10955.5	10826.6	8843.3	4667.9	1864.2	866.1	393.1
72.5°	7889.2	7939.7	8548.1	9813.8	10829.9	10935.9	8592.1	4305.9	1533.1	689.9	296.8
75°	4837.6	4924.0	6380.5	8332.8	9437.0	9317.9	6646.3	2051.8	588.8	293.6	106.0
77.5°	1766.4	1838.1	3095.6	5243.7	6711.6	6636.6	3845.9	729.1	319.7	218.6	53.8
80°	459.9	497.5	1052.0	2418.8	3947.0	3951.9	1609.8	291.9	216.9	179.4	32.6
82.5°	91.3	101.1	322.9	941.1	1844.7	1820.2	508.9	156.6	163.1	146.8	22.8
85°	11.4	14.7	68.5	319.7	596.9	535.0	125.6	78.3	120.7	114.2	14.7
87.5°	1.6	1.6	16.3	73.4	125.6	122.3	26.1	24.5	53.8	70.1	8.2
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°	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6
2.5°	1668.5	1675.0	1697.9	1717.4	1740.3	1746.8	1737.0	1753.3	1730.5	1743.5	1746.8
5°	1671.8	1709.3	1751.7	1779.4	1772.9	1756.6	1743.5	1699.5	1668.5	1657.1	1681.6
7.5°	1694.6	1737.0	1782.7	1782.7	1746.8	1662.0	1580.4	1502.2	1436.9	1404.3	1432.0
10°	1724.0	1768.0	1815.3	1753.3	1619.6	1464.6	1348.8	1202.1	1102.6	1050.4	1055.3
12.5°	1763.1	1825.1	1841.4	1697.9	1476.1	1246.1	1035.7	831.8	737.2	662.2	663.8
15°	1813.7	1874.0	1825.1	1577.2	1293.4	954.1	701.3	507.2	432.2	393.1	393.1
17.5°	1880.5	1926.2	1820.2	1466.3	1047.1	652.4	430.6	342.5	326.2	319.7	319.7
20°	1958.8	1993.1	1772.9	1293.4	778.0	419.2	316.4	306.6	308.3	305.0	305.0
22.5°	2046.9	2058.3	1719.1	1092.8	526.8	309.9	295.2	296.8	298.5	295.2	296.8
25°	2139.9	2108.9	1640.8	857.9	350.7	282.2	285.4	288.7	290.3	291.9	291.9
27.5°	2244.3	2182.3	1531.5	627.9	274.0	265.9	275.6	285.4	287.1	287.1	285.4
30°	2397.6	2294.8	1425.5	425.7	241.4	247.9	264.2	275.6	283.8	283.8	282.2
32.5°	2591.7	2412.3	1277.1	290.3	223.4	226.7	239.8	262.6	280.5	282.2	277.3
35°	2860.8	2554.2	1122.1	231.6	210.4	212.0	220.2	238.1	269.1	278.9	277.3
37.5°	3144.6	2715.6	929.7	208.8	200.6	199.0	203.9	218.6	246.3	270.7	272.4
40°	3446.3	2885.2	727.4	197.4	192.5	189.2	190.8	197.4	218.6	249.5	256.1
42.5°	3730.1	3038.6	546.4	185.9	184.3	181.0	181.0	182.7	194.1	215.3	218.6
45°	4036.7	3164.1	415.9	177.8	172.9	174.5	168.0	164.7	172.9	174.5	172.9
47.5°	4323.8	3289.7	332.7	168.0	163.1	163.1	154.9	148.4	148.4	133.7	132.1
50°	4592.9	3358.2	265.9	154.9	153.3	151.7	140.3	128.8	119.1	101.1	97.9
52.5°	4816.4	3355.0	205.5	138.6	143.5	138.6	120.7	104.4	89.7	73.4	70.1
55°	4883.2	3198.4	154.9	114.2	122.3	115.8	96.2	81.6	65.2	52.2	50.6
57.5°	4826.1	2960.3	117.4	88.1	94.6	88.1	73.4	60.3	45.7	35.9	32.6
60°	4635.3	2681.4	91.3	68.5	71.8	66.9	55.5	45.7	32.6	22.8	19.6
62.5°	4273.2	2332.3	70.1	53.8	52.2	52.2	42.4	34.3	22.8	13.0	11.4
65°	3506.7	1818.6	53.8	37.5	37.5	37.5	32.6	24.5	14.7	6.5	3.3
67.5°	2201.9	1058.5	44.0	29.4	27.7	27.7	22.8	16.3	8.2	1.6	0.0
70°	828.6	388.2	34.3	22.8	21.2	21.2	16.3	9.8	4.9	0.0	0.0
72°	285.4	148.4	27.7	16.3	16.3	14.7	11.4	8.2	3.3	0.0	0.0
72.5°	234.9	119.1	26.1	16.3	14.7	14.7	11.4	8.2	3.3	0.0	0.0
75°	84.8	48.9	17.9	11.4	9.8	9.8	8.2	4.9	1.6	0.0	0.0
77.5°	42.4	31.0	14.7	9.8	8.2	4.9	4.9	3.3	1.6	0.0	0.0
80°	26.1	19.6	8.2	6.5	4.9	3.3	1.6	1.6	0.0	0.0	0.0
82.5°	17.9	11.4	4.9	4.9	3.3	1.6	0.0	0.0	0.0	0.0	0.0
85°	11.4	4.9	3.3	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	3.3	1.6	0.0	0.0	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)