

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: P483085

Luminaire Tested: **IFLD-S-SA6A-722-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483085
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

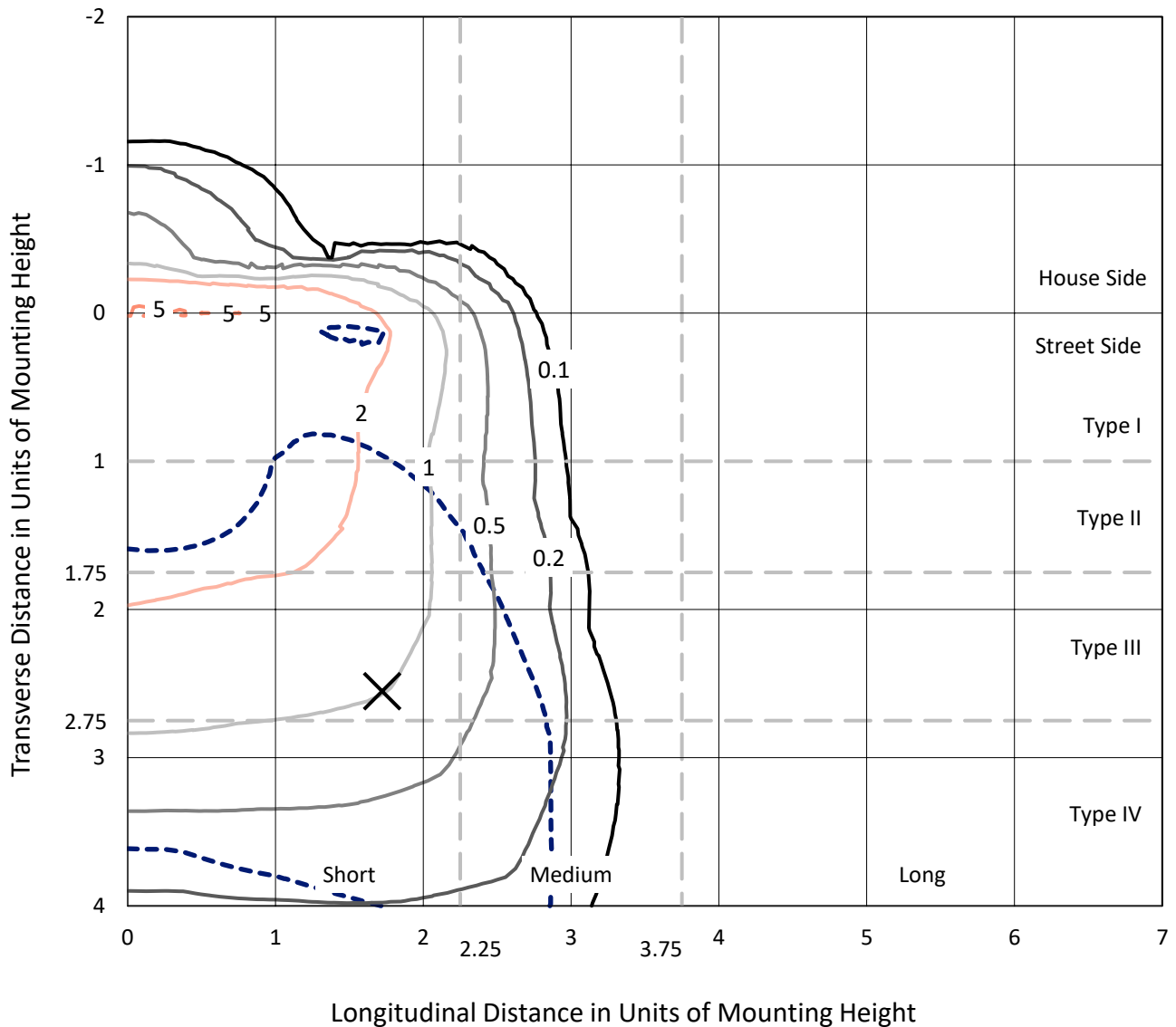
Lumens per Lamp: N/A
Luminaire Lumens: 14375.6 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6
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

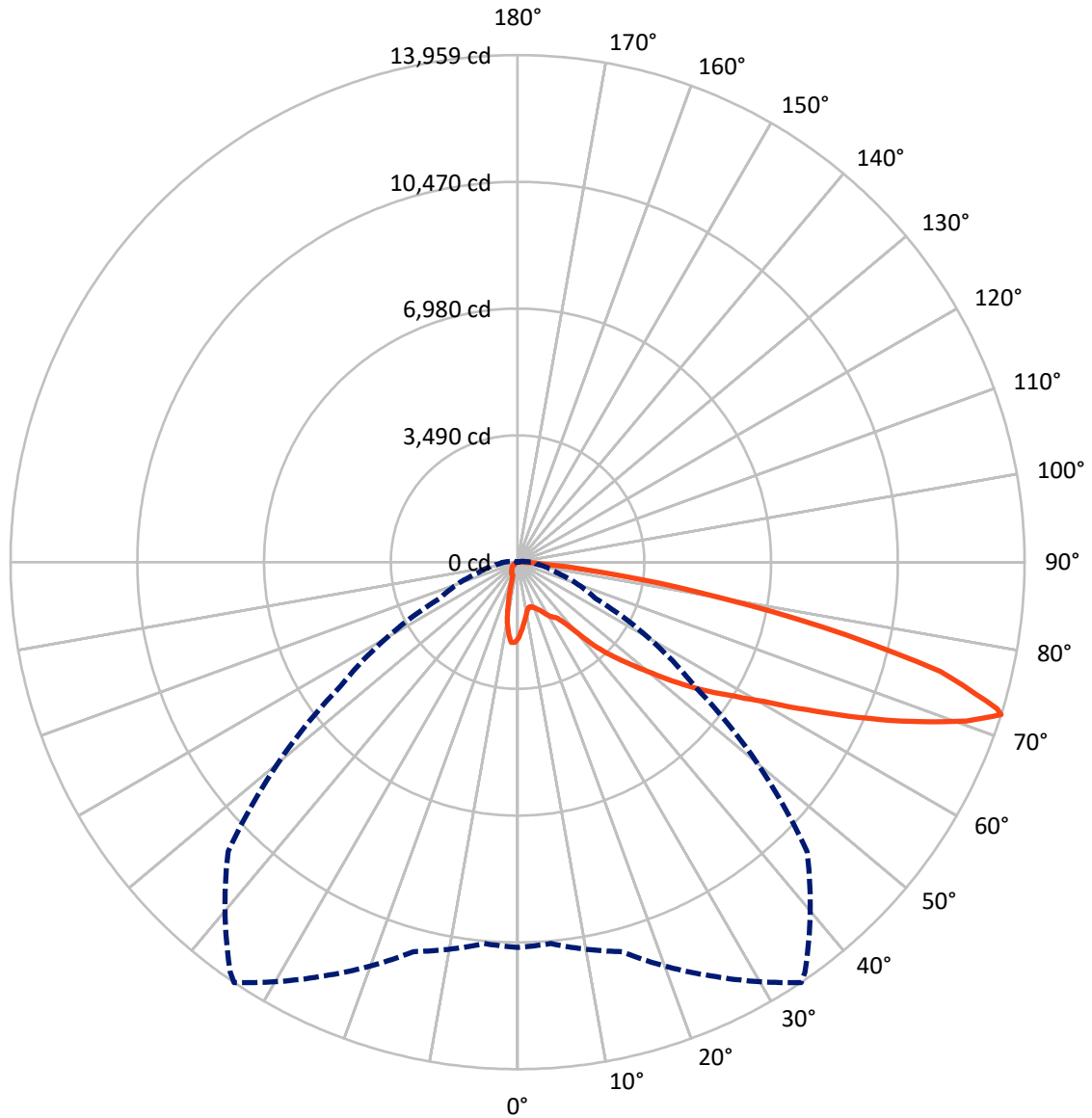
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 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
House Side	Lumens	1471.7	0.0	1471.7
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	12903.8	0.0	12903.8
	% Fixture	89.8	0.0	89.8
Total	Lumens	14375.6	0.0	14375.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	1.3
10°-20°	413.3	2.9
20°-30°	623.9	4.3
30°-40°	1012.5	7.0
40°-50°	1903.9	13.2
50°-60°	3112.9	21.7
60°-70°	4138.1	28.8
70°-80°	2771.3	19.3
80°-90°	217.2	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°	14375.6	100.0
0°-180°	14375.6	100.0

Coefficient of Utilization

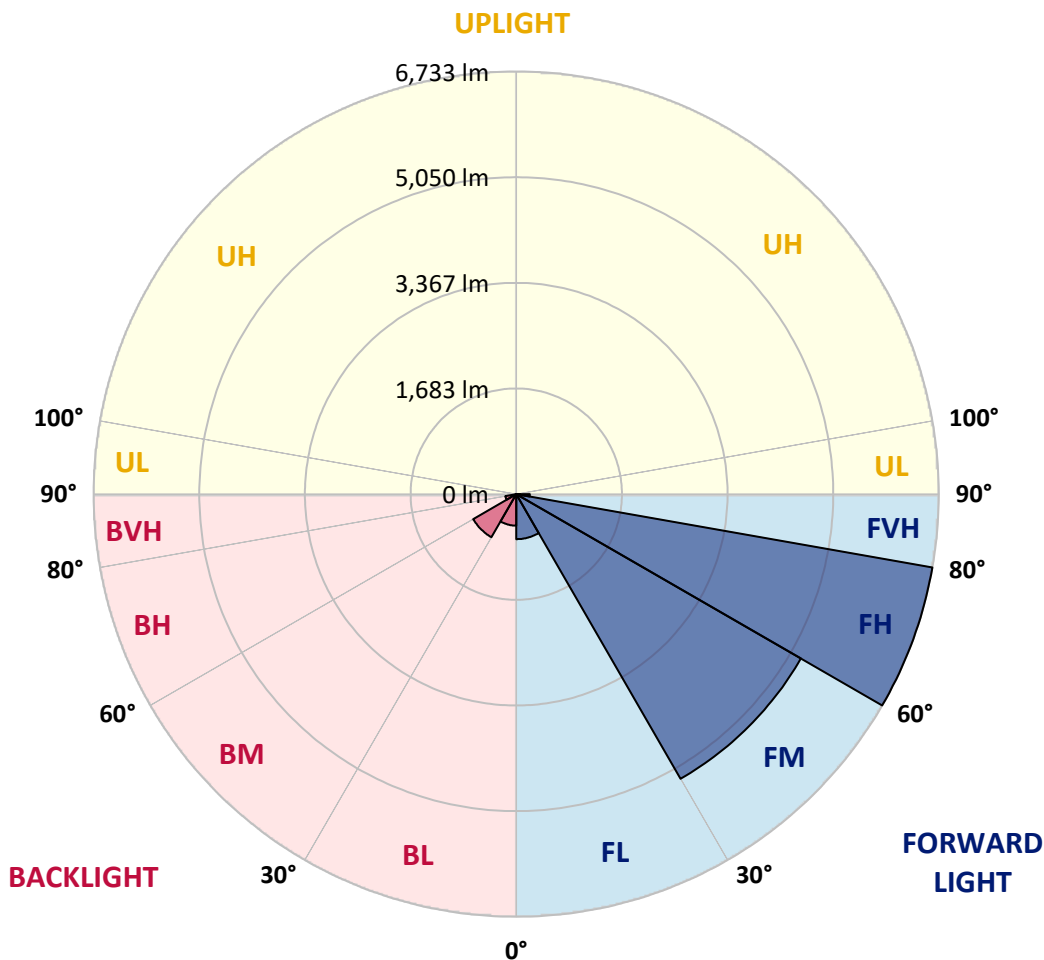


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	717.7	5.0			
FM (30°-60°)	5237.0	36.4			
FH (60°-80°)	6733.4	46.8			G3/7500
FVH (80°-90°)	215.8	1.5			G2/225
BL (0°-30°)	502.1	3.5	B2/1000		
BM (30°-60°)	792.2	5.5	B1/1000		
BH (60°-80°)	176.0	1.2	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2
2.5°	1860.0	1855.8	1868.3	1889.1	1909.9	1901.6	1941.1	1982.6	2011.7	2051.2	2099.0
5°	1625.2	1635.6	1648.0	1689.6	1716.6	1722.8	1795.6	1849.6	1939.0	2030.4	2115.6
7.5°	1411.1	1423.6	1448.5	1494.2	1550.3	1564.9	1637.6	1745.7	1862.1	1982.6	2121.9
10°	1255.2	1267.7	1294.7	1323.8	1398.6	1398.6	1498.4	1648.0	1799.7	1941.1	2123.9
12.5°	1222.0	1228.2	1226.1	1249.0	1296.8	1307.2	1404.9	1569.1	1745.7	1926.5	2157.2
15°	1261.5	1265.6	1244.9	1232.4	1273.9	1284.3	1375.8	1521.3	1710.4	1934.8	2211.2
17.5°	1340.4	1325.9	1284.3	1265.6	1301.0	1307.2	1392.4	1519.2	1706.2	1957.7	2273.6
20°	1386.2	1402.8	1330.1	1294.7	1344.6	1352.9	1444.4	1552.4	1727.0	1997.2	2360.9
22.5°	1467.2	1475.5	1377.9	1355.0	1402.8	1402.8	1506.7	1618.9	1776.9	2061.6	2464.8
25°	1581.5	1571.1	1456.8	1434.0	1479.7	1498.4	1602.3	1724.9	1853.8	2121.9	2560.4
27.5°	1670.9	1677.1	1583.6	1523.3	1600.2	1612.7	1724.9	1839.2	1912.0	2171.7	2676.7
30°	1803.9	1791.4	1691.7	1623.1	1718.7	1720.8	1828.8	1947.3	2024.2	2261.1	2851.3
32.5°	1961.8	1936.9	1822.6	1724.9	1801.8	1820.5	1930.7	2103.2	2198.8	2429.4	3121.5
35°	2296.4	2236.2	2049.1	1897.4	1903.6	1912.0	2082.4	2329.7	2439.8	2643.5	3483.1
37.5°	2784.8	2759.9	2547.9	2259.0	2148.9	2123.9	2315.1	2628.9	2766.1	2926.1	3952.8
40°	3269.0	3233.7	3036.3	2818.1	2618.6	2568.7	2664.3	3025.9	3150.6	3318.9	4434.9
42.5°	3807.3	3744.9	3512.2	3335.5	3210.8	3156.8	3119.4	3524.7	3666.0	3780.3	4906.7
45°	4351.8	4250.0	3913.3	3778.2	3711.7	3682.6	3678.4	4152.3	4237.5	4260.3	5430.4
47.5°	4829.8	4719.6	4414.1	4262.4	4212.5	4204.2	4437.0	4875.5	4809.0	4748.7	6014.4
50°	5197.6	5127.0	4906.7	4852.6	4815.2	4800.7	5345.2	5619.5	5311.9	5205.9	6527.7
52.5°	5767.0	5609.1	5359.7	5378.4	5509.4	5511.4	6265.8	6326.1	5729.6	5519.7	7011.9
55°	6222.2	6118.3	5914.6	5887.6	6232.6	6270.0	7090.9	6862.3	5962.4	5819.0	7190.6
57.5°	6758.4	6710.6	6563.0	6567.2	6928.8	7007.7	7824.5	7315.3	6155.7	6012.3	7217.6
60°	7533.5	7396.4	7319.5	7354.8	7780.8	7857.7	8535.2	7641.6	6249.2	6139.1	7151.1
62.5°	8389.8	8229.7	8146.6	8327.4	8948.8	8961.3	9075.6	7930.5	6191.0	6172.3	6723.0
65°	9420.6	9262.6	9196.1	9559.8	10297.6	10251.8	9834.1	8053.1	6006.0	5837.7	5598.7
67.5°	10447.2	10351.6	10214.4	10794.3	11712.8	11712.8	10621.8	8007.4	5521.8	4686.4	3661.8
70°	10933.5	11000.0	11218.2	12128.5	13103.2	13003.4	11399.0	7481.6	4110.7	2516.7	1440.2
72°	10609.3	10540.7	11103.9	12564.9	13959.4	13795.2	11268.1	5947.9	2375.4	1103.5	500.9
72.5°	10052.3	10116.8	10891.9	12504.6	13799.4	13934.4	10948.0	5486.5	1953.5	879.1	378.2
75°	6164.0	6274.1	8130.0	10617.6	12024.6	11872.8	8468.7	2614.4	750.2	374.1	135.1
77.5°	2250.7	2342.1	3944.5	6681.5	8551.9	8456.3	4900.4	929.0	407.3	278.5	68.6
80°	586.1	633.9	1340.4	3082.0	5029.3	5035.5	2051.2	372.0	276.4	228.6	41.6
82.5°	116.4	128.8	411.5	1199.1	2350.5	2319.3	648.4	199.5	207.8	187.0	29.1
85°	14.5	18.7	87.3	407.3	760.6	681.7	160.0	99.8	153.8	145.5	18.7
87.5°	2.1	2.1	20.8	93.5	160.0	155.9	33.3	31.2	68.6	89.4	10.4
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°	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2	2103.2
2.5°	2126.0	2134.3	2163.4	2188.4	2217.5	2225.8	2213.3	2234.1	2205.0	2221.6	2225.8
5°	2130.2	2178.0	2232.0	2267.3	2259.0	2238.2	2221.6	2165.5	2126.0	2111.5	2142.6
7.5°	2159.3	2213.3	2271.5	2271.5	2225.8	2117.7	2013.8	1914.0	1830.9	1789.3	1824.7
10°	2196.7	2252.8	2313.1	2234.1	2063.7	1866.2	1718.7	1531.6	1404.9	1338.4	1344.6
12.5°	2246.6	2325.5	2346.3	2163.4	1880.8	1587.8	1319.7	1059.9	939.4	843.8	845.8
15°	2311.0	2387.9	2325.5	2009.6	1648.0	1215.8	893.6	646.3	550.7	500.9	500.9
17.5°	2396.2	2454.4	2319.3	1868.3	1334.2	831.3	548.6	436.4	415.6	407.3	407.3
20°	2495.9	2539.6	2259.0	1648.0	991.3	534.1	403.2	390.7	392.8	388.6	388.6
22.5°	2608.2	2622.7	2190.4	1392.4	671.3	394.9	376.2	378.2	380.3	376.2	378.2
25°	2726.6	2687.1	2090.7	1093.1	446.8	359.5	363.7	367.8	369.9	372.0	372.0
27.5°	2859.6	2780.7	1951.4	800.1	349.1	338.7	351.2	363.7	365.8	365.8	363.7
30°	3055.0	2924.1	1816.4	542.4	307.6	315.9	336.7	351.2	361.6	361.6	359.5
32.5°	3302.3	3073.7	1627.2	369.9	284.7	288.9	305.5	334.6	357.5	359.5	353.3
35°	3645.2	3254.5	1429.8	295.1	268.1	270.2	280.6	303.4	342.9	355.4	353.3
37.5°	4006.8	3460.2	1184.6	266.0	255.6	253.5	259.8	278.5	313.8	345.0	347.1
40°	4391.3	3676.4	926.9	251.5	245.2	241.1	243.2	251.5	278.5	318.0	326.3
42.5°	4752.9	3871.7	696.2	236.9	234.8	230.7	230.7	232.8	247.3	274.3	278.5
45°	5143.6	4031.7	529.9	226.5	220.3	222.4	214.1	209.9	220.3	222.4	220.3
47.5°	5509.4	4191.8	424.0	214.1	207.8	207.8	197.4	189.1	189.1	170.4	168.3
50°	5852.3	4279.0	338.7	197.4	195.4	193.3	178.7	164.2	151.7	128.8	124.7
52.5°	6137.0	4274.9	261.9	176.6	182.9	176.6	153.8	133.0	114.3	93.5	89.4
55°	6222.2	4075.4	197.4	145.5	155.9	147.6	122.6	103.9	83.1	66.5	64.4
57.5°	6149.4	3772.0	149.6	112.2	120.5	112.2	93.5	76.9	58.2	45.7	41.6
60°	5906.3	3416.6	116.4	87.3	91.4	85.2	70.7	58.2	41.6	29.1	24.9
62.5°	5444.9	2971.8	89.4	68.6	66.5	66.5	54.0	43.6	29.1	16.6	14.5
65°	4468.2	2317.2	68.6	47.8	47.8	47.8	41.6	31.2	18.7	8.3	4.2
67.5°	2805.6	1348.8	56.1	37.4	35.3	35.3	29.1	20.8	10.4	2.1	0.0
70°	1055.7	494.6	43.6	29.1	27.0	27.0	20.8	12.5	6.2	0.0	0.0
72°	363.7	189.1	35.3	20.8	20.8	18.7	14.5	10.4	4.2	0.0	0.0
72.5°	299.3	151.7	33.3	20.8	18.7	18.7	14.5	10.4	4.2	0.0	0.0
75°	108.1	62.3	22.9	14.5	12.5	12.5	10.4	6.2	2.1	0.0	0.0
77.5°	54.0	39.5	18.7	12.5	10.4	6.2	6.2	4.2	2.1	0.0	0.0
80°	33.3	24.9	10.4	8.3	6.2	4.2	2.1	2.1	0.0	0.0	0.0
82.5°	22.9	14.5	6.2	6.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0
85°	14.5	6.2	4.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	4.2	2.1	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)