

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: P483636

Luminaire Tested: **IFLD-M-SA4A-740-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483636  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-740-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

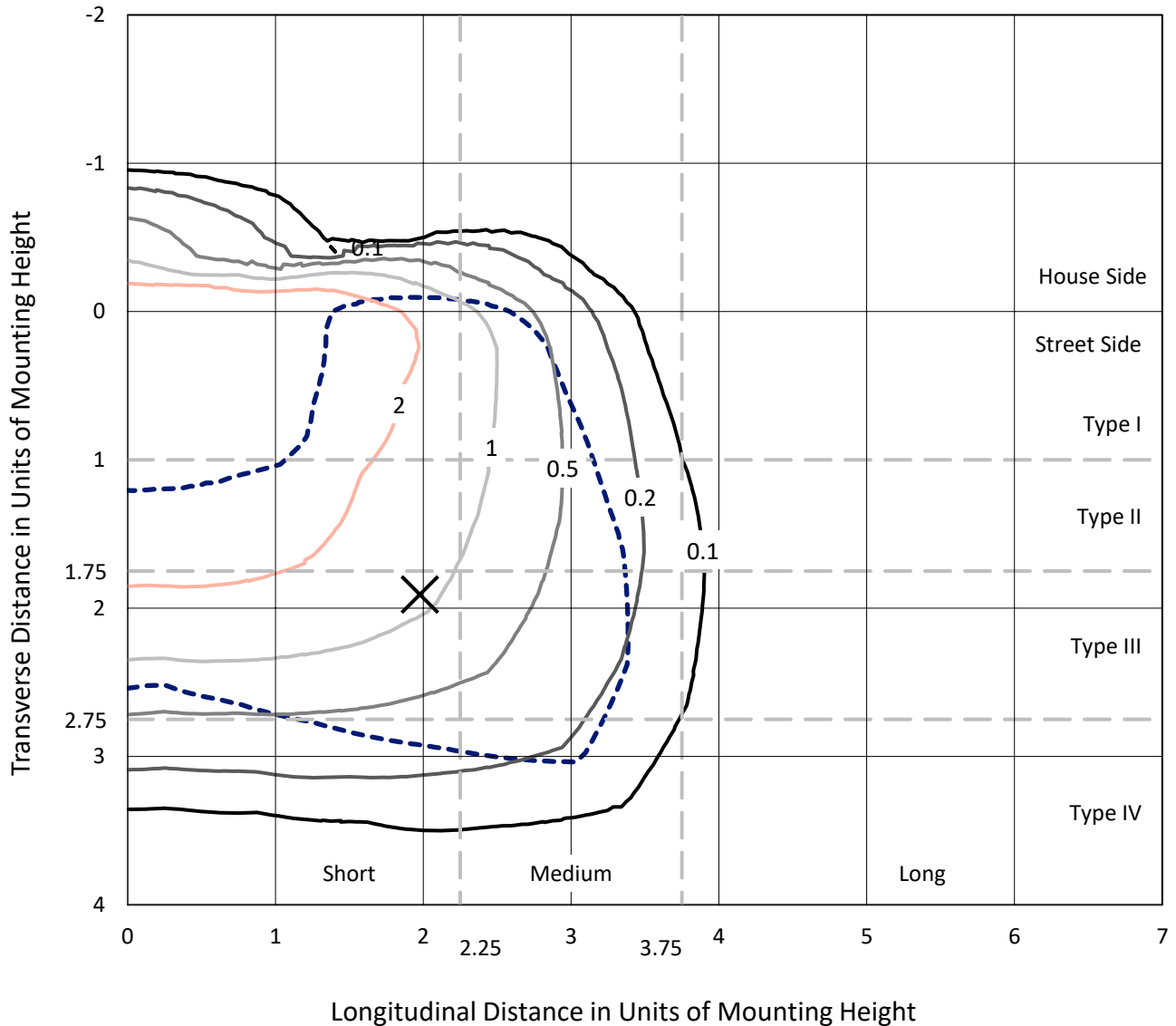
Lumens per Lamp: N/A  
Luminaire Lumens: 13625.9 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 128.6  
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

REPORT NUMBER: P483636  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

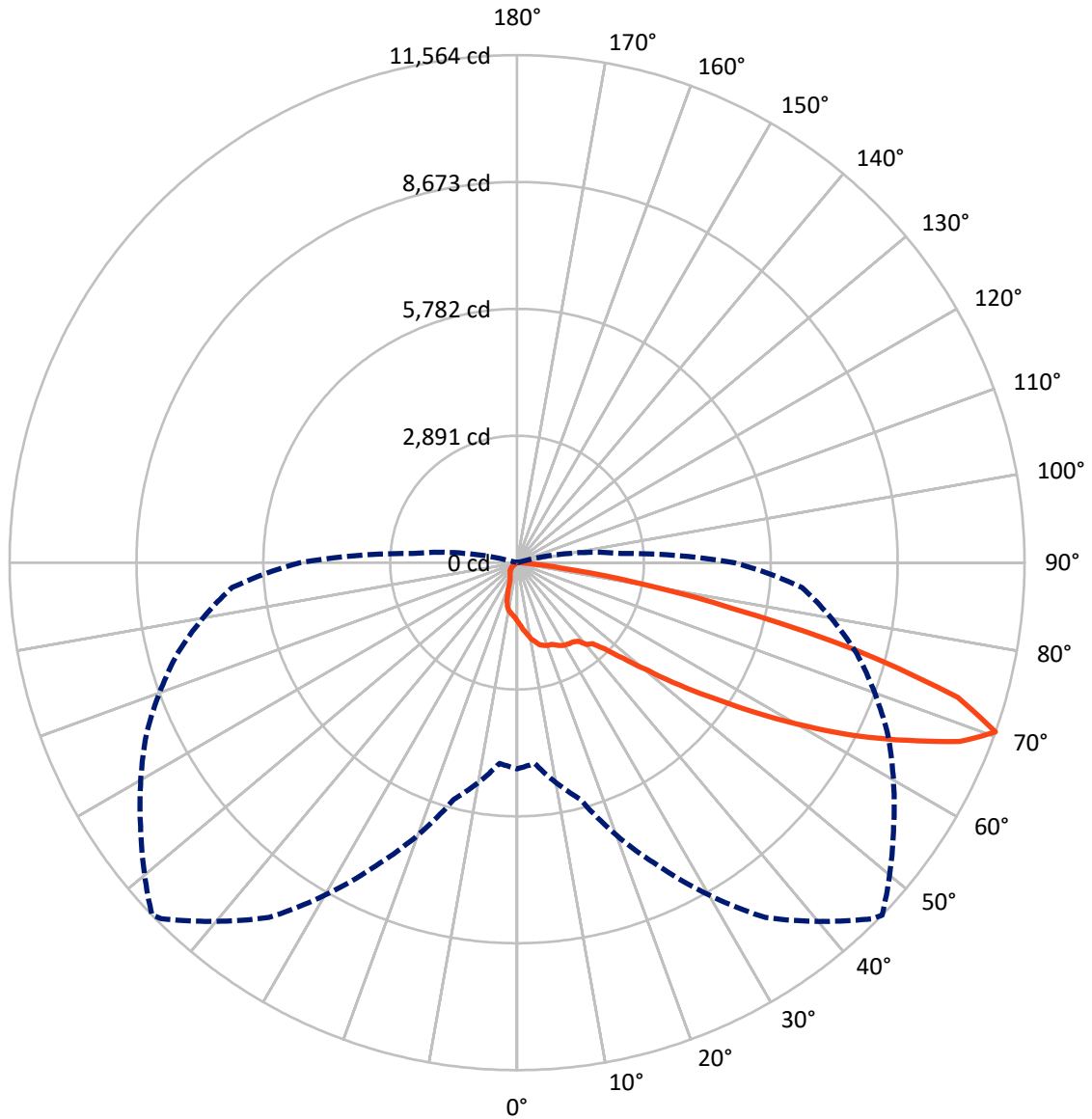
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483636  
CATALOG NUMBER: IFLD-M-SA4A-740-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483636  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-T4W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1355.8	0.0	1355.8
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	12270.1	0.0	12270.1
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	13625.9	0.0	13625.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	1.0
10°-20°	402.8	3.0
20°-30°	645.2	4.7
30°-40°	920.9	6.8
40°-50°	1590.2	11.7
50°-60°	3044.5	22.3
60°-70°	4508.4	33.1
70°-80°	2233.0	16.4
80°-90°	147.6	1.1
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°	13625.9	100.0
0°-180°	13625.9	100.0



REPORT NUMBER: P483636

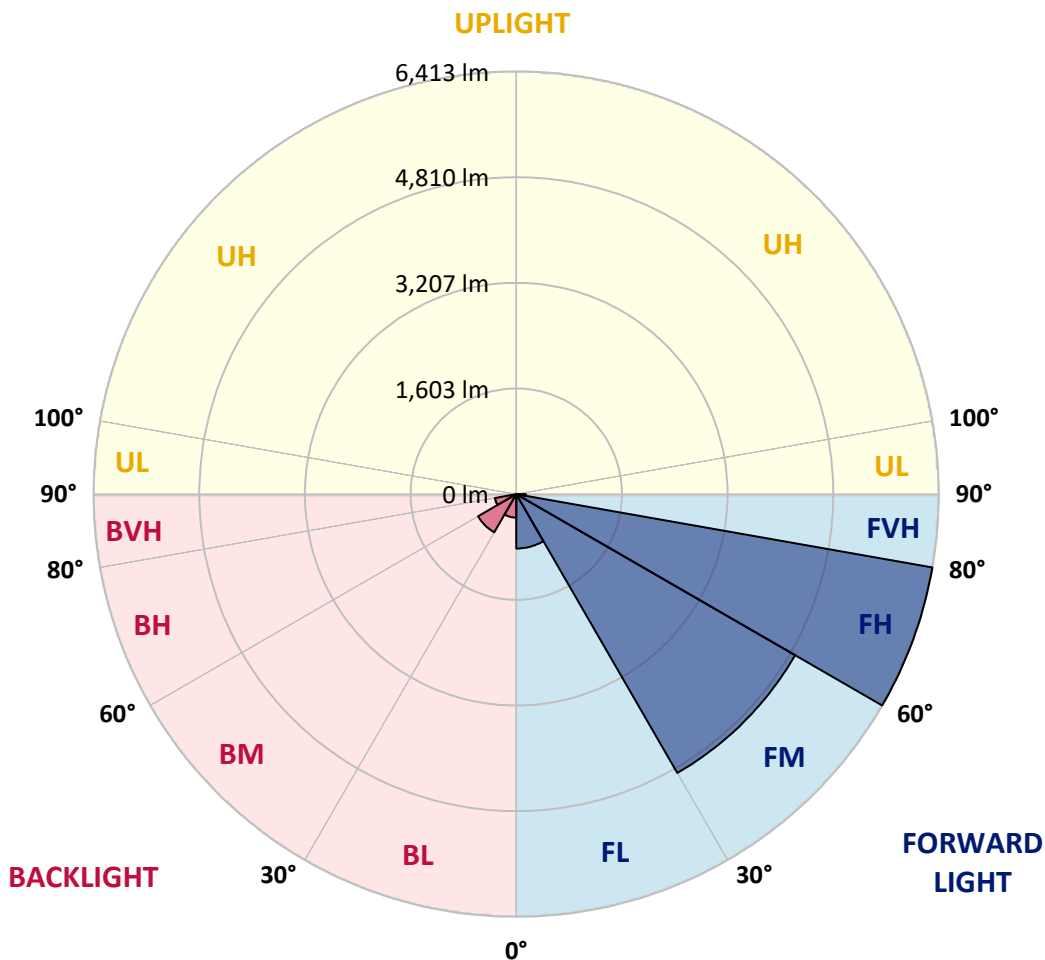
CATALOG NUMBER: IFLD-M-SA4A-740-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.1	6.1			
FM (30°-60°)	4886.2	35.9			
FH (60°-80°)	6413.0	47.1			G3/7500
FVH (80°-90°)	145.7	1.1			G2/225
BL (0°-30°)	356.2	2.6	B1/500		
BM (30°-60°)	669.4	4.9	B1/1000		
BH (60°-80°)	328.4	2.4	B1/500		G1/500
BVH (80°-90°)	1.9	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-G3**

Type IV Short





REPORT NUMBER: P483636

CATALOG NUMBER: IFLD-M-SA4A-740-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6
2.5°	1492.6	1482.8	1467.1	1461.2	1445.5	1437.7	1425.9	1420.0	1398.4	1376.9	1363.1
5°	1675.0	1651.5	1659.3	1635.8	1584.8	1543.6	1541.6	1496.5	1447.5	1408.2	1355.3
7.5°	1859.4	1839.7	1810.3	1777.0	1720.1	1659.3	1641.6	1598.5	1529.8	1461.2	1390.6
10°	1998.6	1984.9	1959.4	1912.3	1833.9	1765.2	1767.2	1694.6	1622.0	1543.6	1447.5
12.5°	2084.9	2090.8	2053.5	2006.5	1937.8	1851.5	1849.5	1800.5	1718.1	1635.8	1522.0
15°	2171.2	2192.8	2135.9	2081.0	1992.7	1930.0	1941.7	1882.9	1802.5	1708.3	1582.8
17.5°	2184.9	2190.8	2179.1	2098.6	2033.9	1981.0	1982.9	1943.7	1882.9	1780.9	1673.0
20°	2161.4	2157.5	2143.8	2084.9	2041.8	2010.4	2012.3	2002.5	1969.2	1886.8	1739.7
22.5°	2092.8	2092.8	2075.1	2035.9	2016.3	2045.7	2022.1	2059.4	2024.1	1975.1	1853.5
25°	2037.8	2059.4	2049.6	2024.1	2032.0	2071.2	2082.9	2118.3	2112.4	2051.6	1931.9
27.5°	2096.7	2071.2	2077.1	2047.6	2077.1	2135.9	2141.8	2167.3	2165.3	2116.3	2002.5
30°	2135.9	2159.4	2114.3	2049.6	2081.0	2181.0	2177.1	2210.4	2226.1	2167.3	2069.2
32.5°	2261.4	2241.8	2204.6	2118.3	2122.2	2179.1	2196.7	2239.9	2249.7	2214.4	2133.9
35°	2518.4	2488.9	2326.2	2196.7	2177.1	2204.6	2216.3	2300.7	2318.3	2279.1	2202.6
37.5°	2914.6	2847.9	2651.7	2365.4	2277.1	2271.2	2271.2	2383.0	2449.7	2359.5	2304.6
40°	3481.4	3387.2	3175.4	2677.2	2408.5	2432.1	2455.6	2516.4	2508.6	2449.7	2438.0
42.5°	4203.2	4130.6	3901.1	3200.9	2659.6	2541.9	2522.3	2604.7	2728.2	2704.7	2696.8
45°	4805.3	4809.2	4662.1	3918.8	3093.0	2794.9	2808.6	2871.4	3079.3	3061.7	3059.7
47.5°	5244.6	5189.7	5168.1	4611.1	3724.6	3275.4	3255.8	3299.0	3569.6	3681.4	3732.4
50°	5644.8	5607.5	5556.5	5283.9	4483.6	3877.6	3858.0	3861.9	4275.7	4432.6	4558.2
52.5°	6141.0	6188.0	6019.4	5852.7	5466.3	4660.2	4638.6	4562.1	5076.0	5291.7	5440.8
55°	6752.9	6664.7	6474.4	6560.7	6405.8	5505.5	5466.3	5376.0	5988.0	6078.2	6235.1
57.5°	6888.2	6821.6	7017.7	7323.7	7472.7	6497.9	6482.2	6319.5	6754.9	6672.5	7115.8
60°	7225.6	7243.2	7515.9	8123.9	8382.8	7643.4	7566.9	7280.5	7498.2	7513.9	7986.6
62.5°	7572.8	7531.6	8141.5	8726.0	9124.2	8728.0	8702.5	8133.7	8380.8	8180.8	8806.4
65°	7317.8	7380.5	8253.3	9232.1	10085.2	9789.1	9767.5	8955.5	9090.8	8841.7	9139.9
67.5°	6411.6	6284.1	7506.1	9000.6	10579.5	10901.2	10877.6	9851.8	9490.9	8837.8	8447.5
70°	4699.4	4589.5	5585.9	7621.8	9871.4	11469.9	11564.1	10475.5	9328.2	8014.1	6517.5
72.5°	2302.6	2304.6	3130.3	5168.1	7810.1	10454.0	10501.0	9604.7	8014.1	5907.6	3691.3
75°	680.6	688.4	1159.2	2534.1	5048.5	7939.5	7992.5	7290.3	5554.5	3051.9	1259.2
77.5°	249.1	249.1	384.4	951.3	2518.4	5011.2	5007.3	4475.8	2812.6	1033.6	294.2
80°	129.4	135.3	200.1	388.3	1090.5	2610.6	2708.6	2190.8	1068.9	435.4	86.3
82.5°	53.0	58.8	109.8	200.1	523.7	915.9	1002.2	859.1	464.8	304.0	39.2
85°	15.7	17.7	53.0	111.8	205.9	229.5	255.0	288.3	292.2	235.4	17.7
87.5°	2.0	2.0	21.6	37.3	45.1	49.0	56.9	56.9	149.1	164.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P483636

CATALOG NUMBER: IFLD-M-SA4A-740-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6
2.5°	1347.4	1337.6	1321.9	1286.6	1278.8	1253.3	1251.3	1227.8	1235.6	1220.0	1214.1
5°	1337.6	1316.1	1272.9	1245.5	1218.0	1200.3	1188.6	1178.8	1176.8	1169.0	1165.0
7.5°	1355.3	1325.9	1259.2	1216.0	1169.0	1153.3	1127.8	1125.8	1112.1	1098.4	1098.4
10°	1414.1	1361.2	1288.6	1216.0	1155.2	1104.2	1045.4	1002.2	986.6	951.3	955.2
12.5°	1461.2	1414.1	1308.2	1233.7	1141.5	1025.8	896.3	796.3	749.2	704.1	721.8
15°	1527.9	1459.2	1345.5	1237.6	1088.5	888.5	676.7	564.9	521.7	511.9	509.9
17.5°	1600.5	1527.9	1392.6	1227.8	980.7	686.5	498.2	433.5	441.3	453.1	451.1
20°	1680.9	1592.6	1427.9	1194.5	810.0	498.2	408.0	406.0	417.8	435.4	439.3
22.5°	1765.2	1688.7	1471.0	1094.4	604.1	400.1	392.3	392.3	400.1	421.7	417.8
25°	1859.4	1757.4	1492.6	939.5	433.5	368.7	372.7	380.5	384.4	402.1	404.0
27.5°	1931.9	1833.9	1498.5	753.2	353.0	341.3	351.1	360.9	366.8	380.5	386.4
30°	1998.6	1930.0	1467.1	560.9	323.6	317.7	321.7	335.4	347.2	358.9	358.9
32.5°	2082.9	1984.9	1394.5	398.2	306.0	296.2	294.2	300.1	313.8	327.5	327.5
35°	2169.2	2077.1	1278.8	319.7	290.3	276.5	268.7	262.8	268.7	278.5	286.4
37.5°	2294.8	2216.3	1133.7	294.2	278.5	258.9	243.2	229.5	219.7	217.7	223.6
40°	2473.3	2373.2	947.3	276.5	264.8	241.2	217.7	194.2	172.6	158.9	160.8
42.5°	2743.9	2604.7	745.3	266.7	255.0	221.6	188.3	154.9	127.5	113.8	113.8
45°	3130.3	2910.6	547.2	256.9	243.2	198.1	154.9	115.7	88.3	80.4	82.4
47.5°	3712.8	3279.4	392.3	241.2	227.5	172.6	121.6	82.4	64.7	60.8	62.8
50°	4473.8	3716.7	306.0	223.6	207.9	145.1	90.2	60.8	51.0	49.0	51.0
52.5°	5272.1	4158.1	268.7	207.9	178.5	115.7	66.7	49.0	43.1	41.2	43.1
55°	5954.6	4442.4	233.4	184.4	143.2	86.3	53.0	43.1	37.3	31.4	31.4
57.5°	6645.0	4585.6	184.4	153.0	105.9	64.7	45.1	37.3	31.4	25.5	23.5
60°	7206.0	4687.6	131.4	113.8	74.5	51.0	39.2	33.3	25.5	19.6	17.7
62.5°	7574.7	4395.4	96.1	86.3	54.9	43.1	33.3	27.5	19.6	13.7	13.7
65°	7392.3	3991.3	74.5	60.8	41.2	33.3	27.5	19.6	13.7	7.8	5.9
67.5°	6633.3	3251.9	60.8	45.1	31.4	25.5	21.6	15.7	7.8	2.0	2.0
70°	4948.5	2383.0	49.0	33.3	25.5	19.6	15.7	9.8	3.9	2.0	0.0
72.5°	2706.7	1304.3	39.2	27.5	19.6	15.7	11.8	7.8	3.9	0.0	0.0
75°	894.4	347.2	29.4	19.6	11.8	9.8	7.8	5.9	2.0	0.0	0.0
77.5°	215.7	90.2	23.5	17.7	9.8	5.9	3.9	2.0	2.0	0.0	0.0
80°	66.7	37.3	17.7	11.8	7.8	5.9	2.0	0.0	0.0	0.0	0.0
82.5°	27.5	17.7	7.8	7.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0
85°	13.7	9.8	5.9	3.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.8	3.9	2.0	2.0	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)