

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: P483086

Luminaire Tested: **IFLD-S-SA6B-722-U-T4FT-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P483086
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

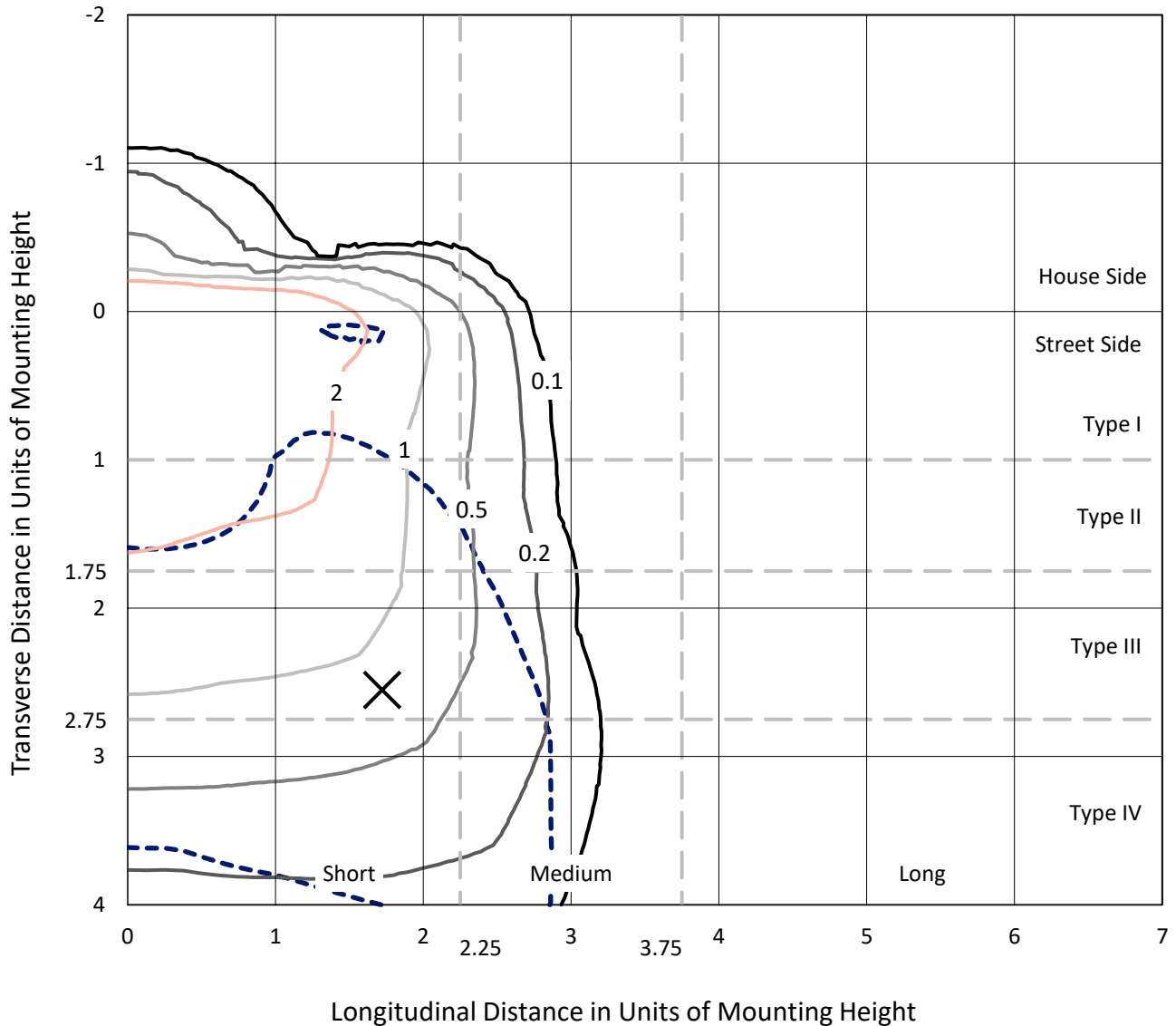
Lumens per Lamp: N/A
Luminaire Lumens: 17778.9 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9
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

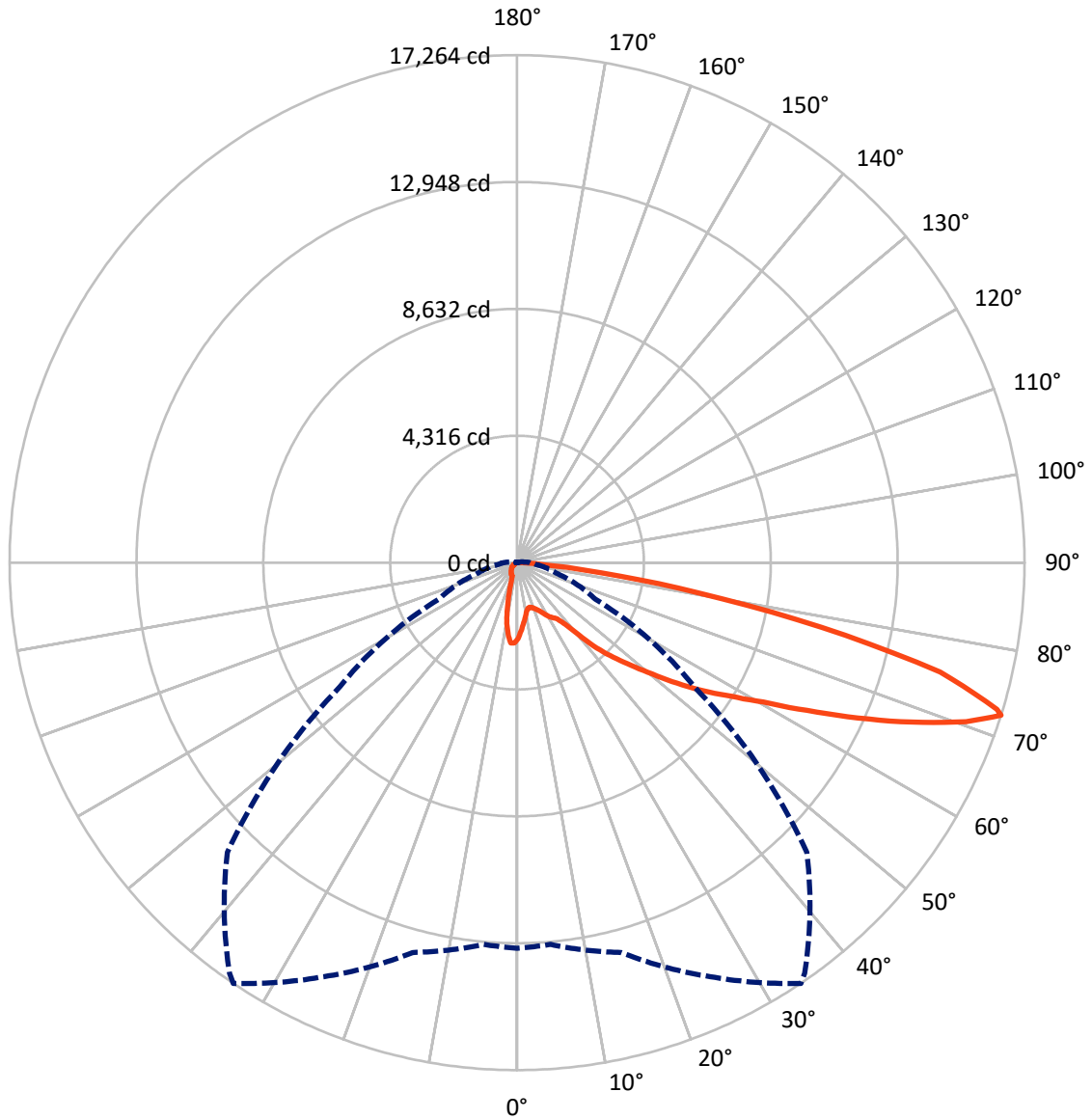
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	1820.1	0.0	1820.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	15958.8	0.0	15958.8
	% Fixture	89.8	0.0	89.8
Total	Lumens	17778.9	0.0	17778.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.8	1.3
10°-20°	511.2	2.9
20°-30°	771.6	4.3
30°-40°	1252.2	7.0
40°-50°	2354.6	13.2
50°-60°	3849.8	21.7
60°-70°	5117.8	28.8
70°-80°	3427.3	19.3
80°-90°	268.6	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°	17778.9	100.0
0°-180°	17778.9	100.0

Coefficient of Utilization

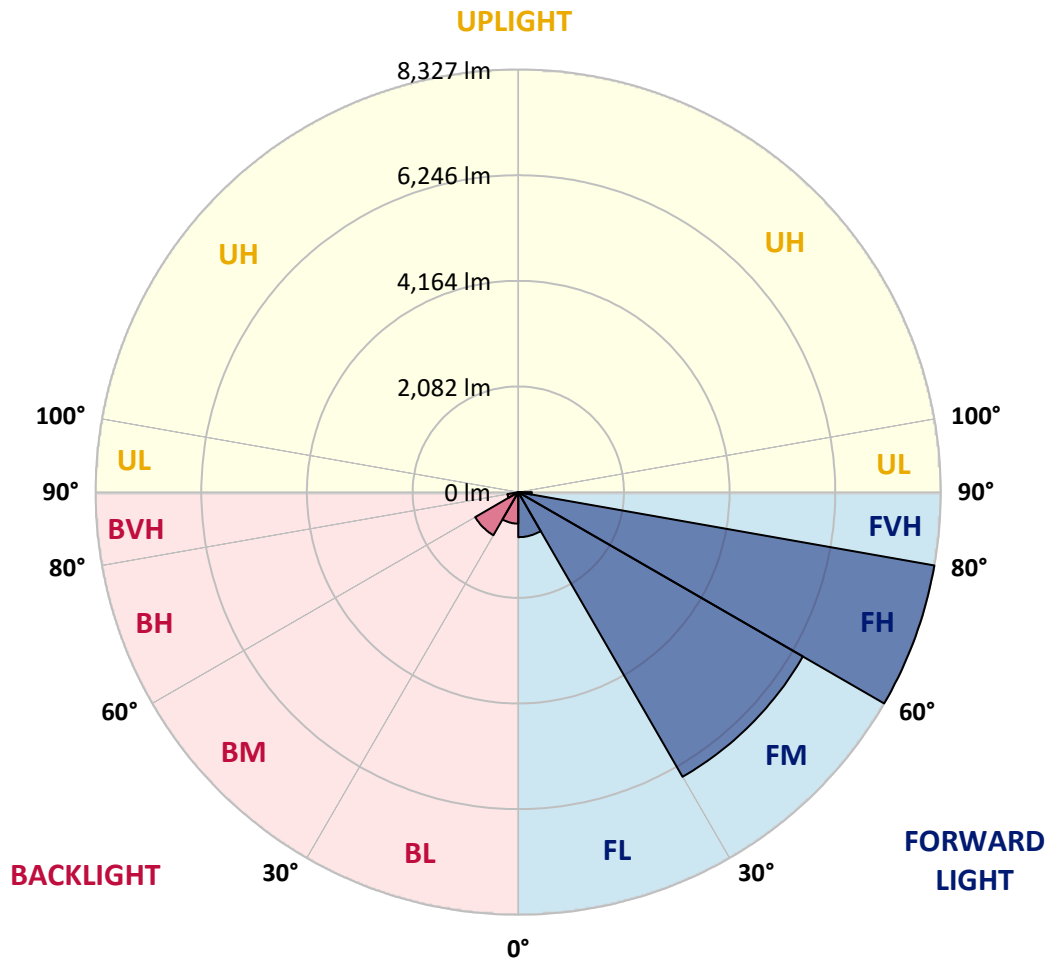


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	887.6	5.0			
FM (30°-60°)	6476.8	36.4			
FH (60°-80°)	8327.5	46.8			G4/12000
FVH (80°-90°)	266.9	1.5			G3/500
BL (0°-30°)	621.0	3.5	B2/1000		
BM (30°-60°)	979.8	5.5	B1/1000		
BH (60°-80°)	217.6	1.2	B1/500		G1/500
BVH (80°-90°)	1.7	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1
2.5°	2300.4	2295.2	2310.6	2336.3	2362.0	2351.8	2400.6	2452.0	2488.0	2536.8	2595.9
5°	2009.9	2022.8	2038.2	2089.6	2123.0	2130.7	2220.7	2287.5	2398.0	2511.1	2616.5
7.5°	1745.2	1760.6	1791.4	1848.0	1917.4	1935.4	2025.3	2159.0	2302.9	2452.0	2624.2
10°	1552.4	1567.8	1601.2	1637.2	1729.8	1729.8	1853.1	2038.2	2225.8	2400.6	2626.8
12.5°	1511.3	1519.0	1516.4	1544.7	1603.8	1616.7	1737.5	1940.5	2159.0	2382.6	2667.9
15°	1560.1	1565.3	1539.6	1524.1	1575.5	1588.4	1701.5	1881.4	2115.3	2392.9	2734.7
17.5°	1657.8	1639.8	1588.4	1565.3	1609.0	1616.7	1722.0	1878.8	2110.2	2421.2	2811.8
20°	1714.3	1734.9	1644.9	1601.2	1662.9	1673.2	1786.3	1920.0	2135.9	2470.0	2919.8
22.5°	1814.6	1824.9	1704.1	1675.8	1734.9	1734.9	1863.4	2002.2	2197.5	2549.7	3048.3
25°	1955.9	1943.1	1801.7	1773.5	1830.0	1853.1	1981.6	2133.3	2292.6	2624.2	3166.5
27.5°	2066.5	2074.2	1958.5	1884.0	1979.1	1994.5	2133.3	2274.6	2364.6	2685.9	3310.4
30°	2231.0	2215.5	2092.2	2007.3	2125.6	2128.1	2261.8	2408.3	2503.4	2796.4	3526.3
32.5°	2426.3	2395.4	2254.1	2133.3	2228.4	2251.5	2387.7	2601.1	2719.3	3004.6	3860.5
35°	2840.1	2765.6	2534.2	2346.6	2354.3	2364.6	2575.4	2881.2	3017.4	3269.3	4307.7
37.5°	3444.1	3413.3	3151.1	2793.8	2657.6	2626.8	2863.2	3251.3	3421.0	3618.9	4888.6
40°	4043.0	3999.3	3755.1	3485.2	3238.5	3176.8	3295.0	3742.2	3896.5	4104.6	5484.9
42.5°	4708.6	4631.5	4343.7	4125.2	3971.0	3904.2	3857.9	4359.1	4533.9	4675.2	6068.3
45°	5382.0	5256.1	4839.7	4672.7	4590.4	4554.4	4549.3	5135.3	5240.7	5269.0	6716.0
47.5°	5973.2	5837.0	5459.2	5271.5	5209.8	5199.6	5487.4	6029.7	5947.5	5873.0	7438.2
50°	6428.1	6340.7	6068.3	6001.5	5955.2	5937.2	6610.6	6949.9	6569.5	6438.4	8073.1
52.5°	7132.4	6937.0	6628.6	6651.7	6813.7	6816.2	7749.2	7823.8	7086.1	6826.5	8671.9
55°	7695.2	7566.7	7314.9	7281.4	7708.1	7754.4	8769.6	8486.9	7374.0	7196.6	8893.0
57.5°	8358.4	8299.3	8116.8	8121.9	8569.1	8666.8	9676.9	9047.2	7613.0	7435.7	8926.4
60°	9317.1	9147.4	9052.3	9096.0	9622.9	9718.0	10555.9	9450.7	7728.7	7592.4	8844.1
62.5°	10376.0	10178.1	10075.3	10298.9	11067.4	11082.8	11224.2	9808.0	7656.7	7633.6	8314.7
65°	11650.8	11455.5	11373.2	11823.0	12735.5	12678.9	12162.3	9959.6	7427.9	7219.8	6924.2
67.5°	12920.5	12802.3	12632.6	13349.7	14485.8	14485.8	13136.4	9903.1	6829.1	5795.9	4528.7
70°	13521.9	13604.2	13874.1	14999.8	16205.3	16081.9	14097.7	9252.8	5083.9	3112.5	1781.2
72°	13121.0	13036.2	13732.7	15539.6	17264.2	17061.1	13935.8	7356.0	2937.8	1364.8	619.4
72.5°	12432.2	12511.8	13470.5	15465.0	17066.3	17233.3	13539.9	6785.4	2416.0	1087.2	467.8
75°	7623.3	7759.5	10054.7	13131.3	14871.3	14683.7	10473.7	3233.3	927.9	462.6	167.1
77.5°	2783.6	2896.6	4878.3	8263.3	10576.5	10458.2	6060.6	1148.9	503.8	344.4	84.8
80°	724.8	783.9	1657.8	3811.6	6219.9	6227.7	2536.8	460.1	341.8	282.7	51.4
82.5°	143.9	159.4	508.9	1483.0	2906.9	2868.4	801.9	246.7	257.0	231.3	36.0
85°	18.0	23.1	107.9	503.8	940.7	843.0	197.9	123.4	190.2	179.9	23.1
87.5°	2.6	2.6	25.7	115.7	197.9	192.8	41.1	38.6	84.8	110.5	12.9
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°	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1
2.5°	2629.3	2639.6	2675.6	2706.4	2742.4	2752.7	2737.3	2763.0	2727.0	2747.6	2752.7
5°	2634.5	2693.6	2760.4	2804.1	2793.8	2768.1	2747.6	2678.2	2629.3	2611.3	2649.9
7.5°	2670.5	2737.3	2809.3	2809.3	2752.7	2619.1	2490.5	2367.2	2264.4	2213.0	2256.7
10°	2716.7	2786.1	2860.7	2763.0	2552.2	2308.1	2125.6	1894.3	1737.5	1655.2	1662.9
12.5°	2778.4	2876.1	2901.8	2675.6	2326.1	1963.7	1632.1	1310.8	1161.7	1043.5	1046.1
15°	2858.1	2953.2	2876.1	2485.4	2038.2	1503.6	1105.2	799.3	681.1	619.4	619.4
17.5°	2963.5	3035.4	2868.4	2310.6	1650.1	1028.1	678.5	539.7	514.0	503.8	503.8
20°	3086.8	3140.8	2793.8	2038.2	1226.0	660.5	498.6	483.2	485.8	480.6	480.6
22.5°	3225.6	3243.6	2709.0	1722.0	830.2	488.3	465.2	467.8	470.4	465.2	467.8
25°	3372.1	3323.3	2585.6	1351.9	552.6	444.6	449.8	454.9	457.5	460.1	460.1
27.5°	3536.6	3439.0	2413.4	989.5	431.8	418.9	434.4	449.8	452.4	452.4	449.8
30°	3778.2	3616.3	2246.4	670.8	380.4	390.7	416.4	434.4	447.2	447.2	444.6
32.5°	4084.1	3801.4	2012.5	457.5	352.1	357.3	377.8	413.8	442.1	444.6	436.9
35°	4508.2	4025.0	1768.3	365.0	331.6	334.1	347.0	375.3	424.1	439.5	436.9
37.5°	4955.4	4279.4	1465.0	329.0	316.1	313.6	321.3	344.4	388.1	426.7	429.2
40°	5430.9	4546.7	1146.3	311.0	303.3	298.1	300.7	311.0	344.4	393.2	403.5
42.5°	5878.1	4788.3	861.0	293.0	290.4	285.3	285.3	287.9	305.9	339.3	344.4
45°	6361.3	4986.2	655.4	280.2	272.4	275.0	264.7	259.6	272.4	275.0	272.4
47.5°	6813.7	5184.1	524.3	264.7	257.0	257.0	244.2	233.9	233.9	210.8	208.2
50°	7237.7	5292.1	418.9	244.2	241.6	239.0	221.0	203.0	187.6	159.4	154.2
52.5°	7589.9	5286.9	323.8	218.5	226.2	218.5	190.2	164.5	141.4	115.7	110.5
55°	7695.2	5040.2	244.2	179.9	192.8	182.5	151.6	128.5	102.8	82.2	79.7
57.5°	7605.3	4665.0	185.1	138.8	149.1	138.8	115.7	95.1	72.0	56.5	51.4
60°	7304.6	4225.4	143.9	107.9	113.1	105.4	87.4	72.0	51.4	36.0	30.8
62.5°	6734.0	3675.4	110.5	84.8	82.2	82.2	66.8	54.0	36.0	20.6	18.0
65°	5526.0	2865.8	84.8	59.1	59.1	59.1	51.4	38.6	23.1	10.3	5.1
67.5°	3469.8	1668.1	69.4	46.3	43.7	43.7	36.0	25.7	12.9	2.6	0.0
70°	1305.7	611.7	54.0	36.0	33.4	33.4	25.7	15.4	7.7	0.0	0.0
72°	449.8	233.9	43.7	25.7	25.7	23.1	18.0	12.9	5.1	0.0	0.0
72.5°	370.1	187.6	41.1	25.7	23.1	23.1	18.0	12.9	5.1	0.0	0.0
75°	133.7	77.1	28.3	18.0	15.4	15.4	12.9	7.7	2.6	0.0	0.0
77.5°	66.8	48.8	23.1	15.4	12.9	7.7	7.7	5.1	2.6	0.0	0.0
80°	41.1	30.8	12.9	10.3	7.7	5.1	2.6	2.6	0.0	0.0	0.0
82.5°	28.3	18.0	7.7	7.7	5.1	2.6	0.0	0.0	0.0	0.0	0.0
85°	18.0	7.7	5.1	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	5.1	2.6	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)