

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: P483087

Luminaire Tested: **IFLD-S-SA6C-722-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483087
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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

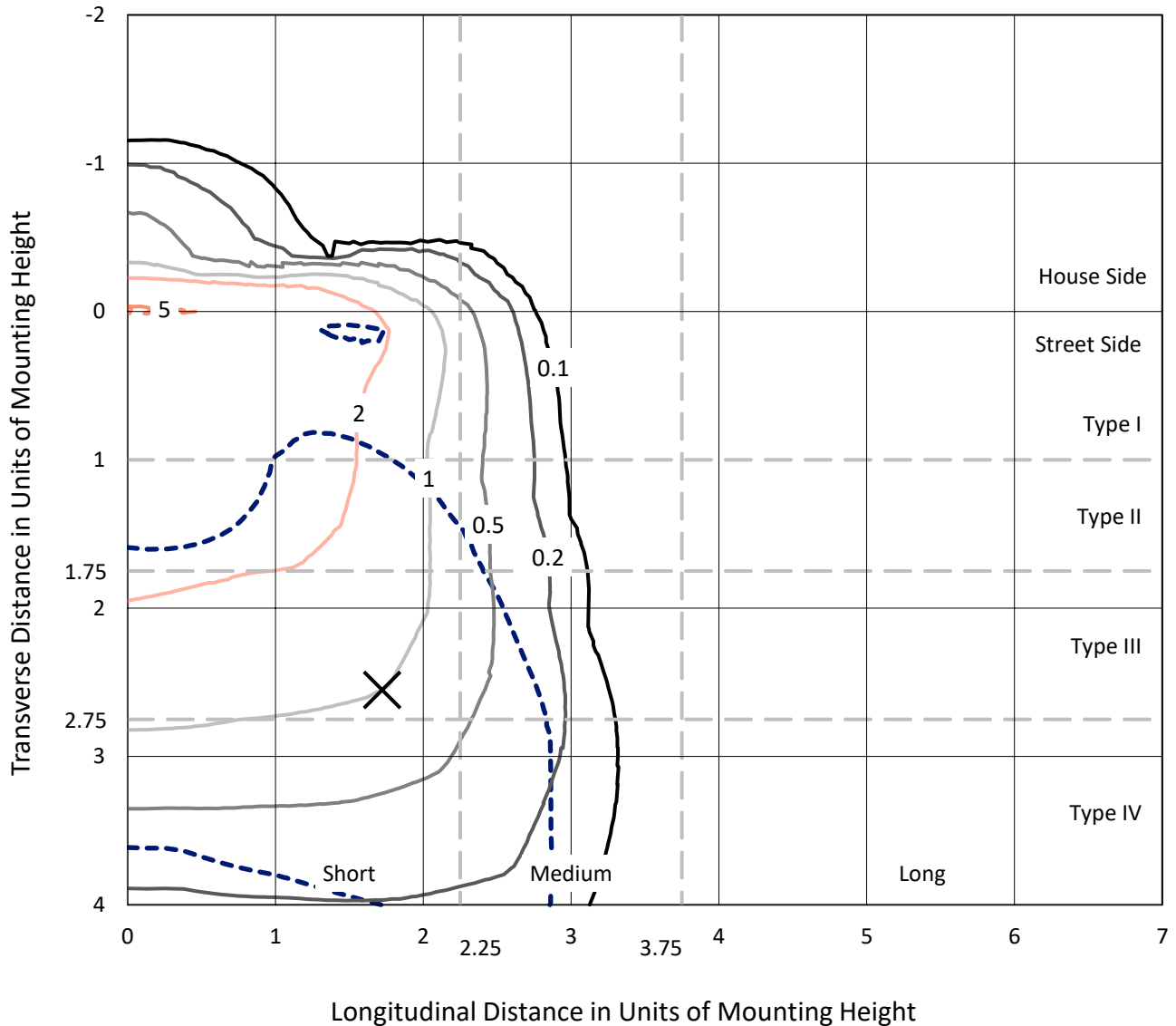
Lumens per Lamp: N/A
Luminaire Lumens: 22131.6 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
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

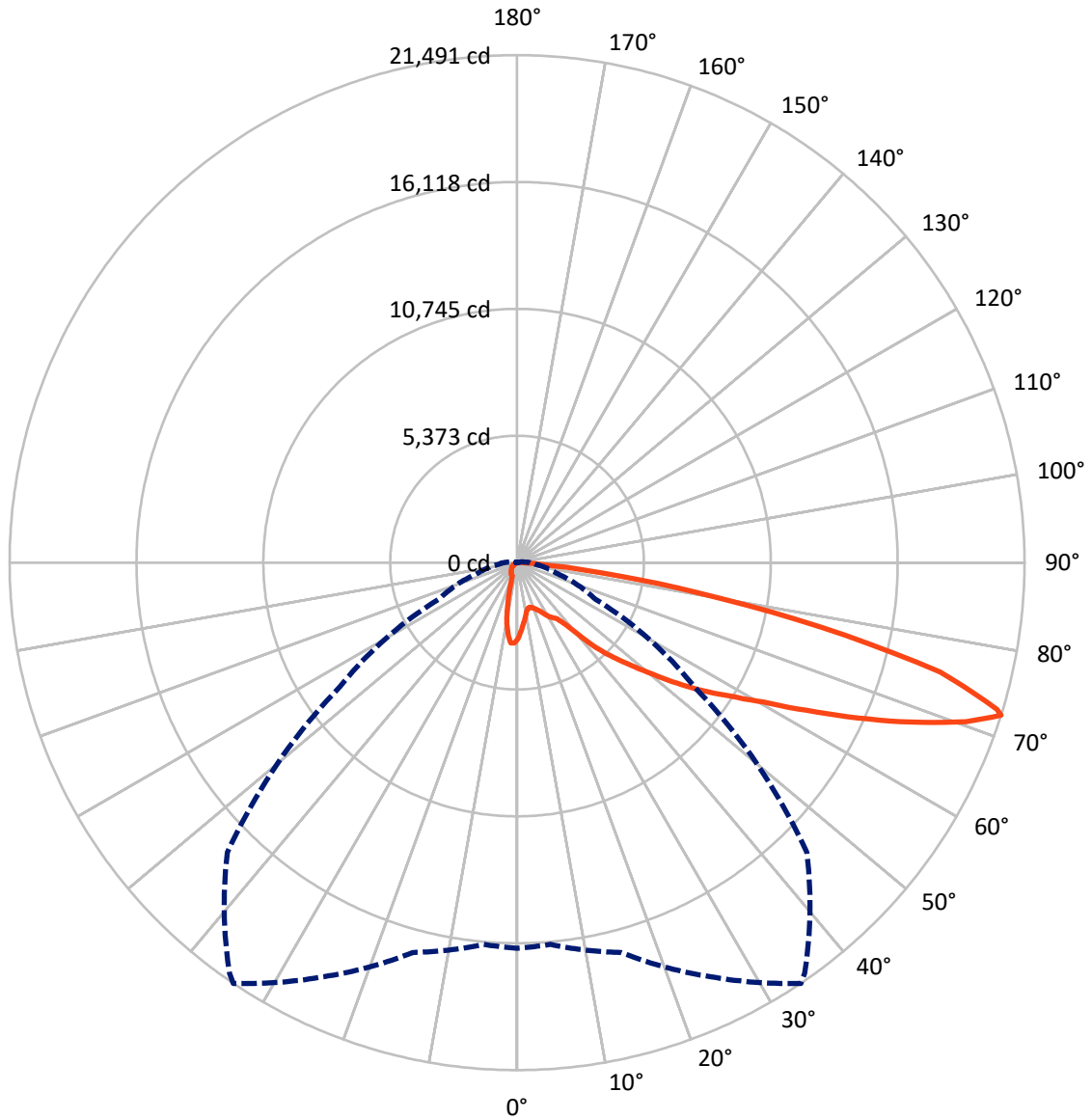
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	2265.8	0.0	2265.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	19865.8	0.0	19865.8
	% Fixture	89.8	0.0	89.8
Total	Lumens	22131.6	0.0	22131.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	1.3
10°-20°	636.4	2.9
20°-30°	960.5	4.3
30°-40°	1558.7	7.0
40°-50°	2931.1	13.2
50°-60°	4792.4	21.7
60°-70°	6370.8	28.8
70°-80°	4266.4	19.3
80°-90°	334.3	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°	22131.6	100.0
0°-180°	22131.6	100.0



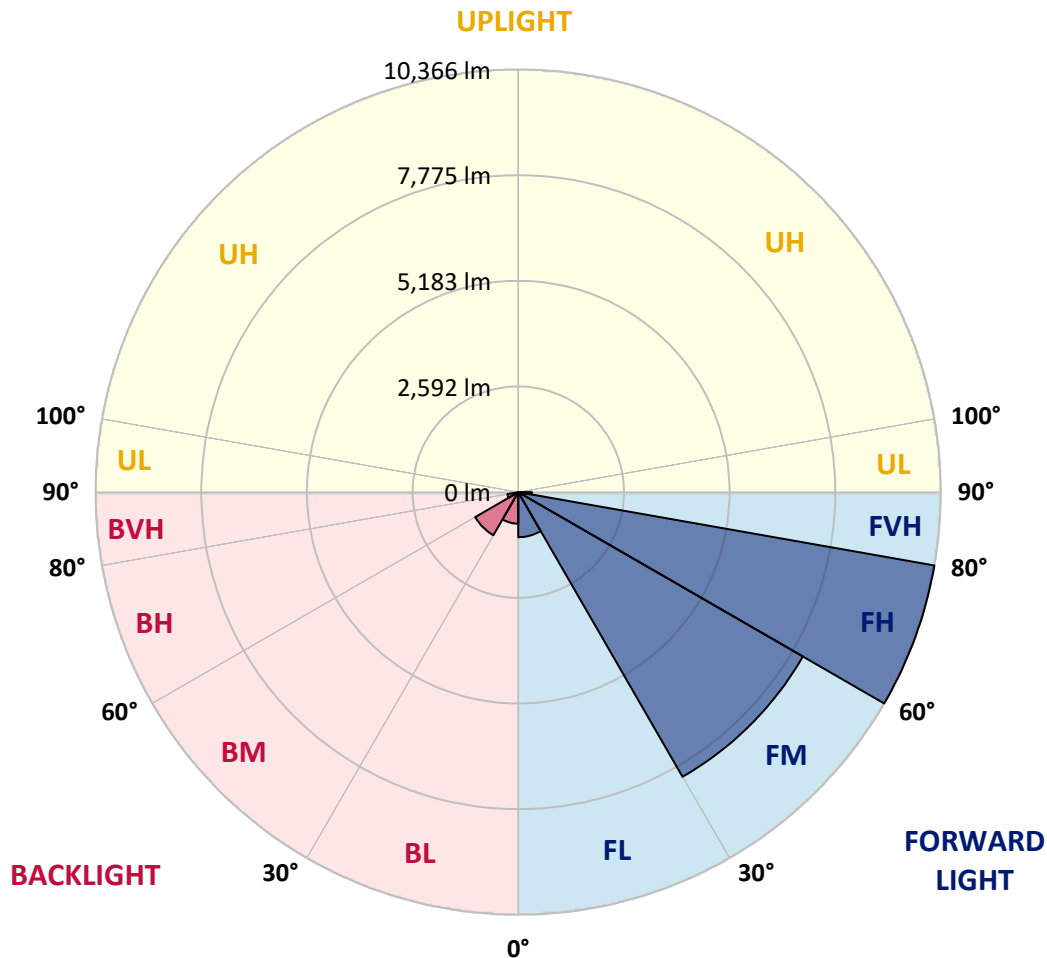
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1104.9	5.0			
FM (30°-60°)	8062.5	36.4			
FH (60°-80°)	10366.3	46.8			G4/12000
FVH (80°-90°)	332.2	1.5			G3/500
BL (0°-30°)	773.1	3.5	B2/1000		
BM (30°-60°)	1219.6	5.5	B2/2500		
BH (60°-80°)	270.9	1.2	B1/500		G1/500
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	2863.5	2857.1	2876.3	2908.3	2940.3	2927.5	2988.3	3052.3	3097.1	3157.9	3231.5
5°	2502.0	2518.0	2537.2	2601.2	2642.8	2652.4	2764.3	2847.5	2985.1	3125.9	3257.1
7.5°	2172.4	2191.6	2230.0	2300.4	2386.8	2409.2	2521.2	2687.6	2866.7	3052.3	3266.7
10°	1932.5	1951.7	1993.3	2038.1	2153.2	2153.2	2306.8	2537.2	2770.7	2988.3	3269.9
12.5°	1881.3	1890.9	1887.7	1922.9	1996.5	2012.5	2162.8	2415.6	2687.6	2965.9	3321.1
15°	1942.1	1948.5	1916.5	1897.3	1961.3	1977.3	2118.1	2342.0	2633.2	2978.7	3404.2
17.5°	2063.7	2041.3	1977.3	1948.5	2002.9	2012.5	2143.6	2338.8	2626.8	3013.9	3500.2
20°	2134.1	2159.6	2047.7	1993.3	2070.1	2082.9	2223.6	2390.0	2658.8	3074.7	3634.6
22.5°	2258.8	2271.6	2121.3	2086.1	2159.6	2159.6	2319.6	2492.4	2735.6	3173.9	3794.6
25°	2434.8	2418.8	2242.8	2207.6	2278.0	2306.8	2466.8	2655.6	2853.9	3266.7	3941.8
27.5°	2572.4	2582.0	2438.0	2345.2	2463.6	2482.8	2655.6	2831.5	2943.5	3343.5	4120.9
30°	2777.1	2757.9	2604.4	2498.8	2646.0	2649.2	2815.5	2997.9	3116.3	3481.0	4389.7
32.5°	3020.3	2981.9	2805.9	2655.6	2773.9	2802.7	2972.3	3237.9	3385.0	3740.2	4805.6
35°	3535.4	3442.6	3154.7	2921.1	2930.7	2943.5	3205.9	3586.6	3756.2	4069.7	5362.3
37.5°	4287.3	4248.9	3922.6	3477.8	3308.3	3269.9	3564.2	4047.3	4258.5	4504.9	6085.4
40°	5032.8	4978.4	4674.4	4338.5	4031.3	3954.6	4101.7	4658.4	4850.4	5109.6	6827.7
42.5°	5861.4	5765.5	5407.1	5135.2	4943.2	4860.0	4802.4	5426.3	5643.9	5819.8	7554.0
45°	6699.7	6542.9	6024.6	5816.6	5714.3	5669.5	5663.1	6392.6	6523.7	6558.9	8360.2
47.5°	7435.6	7266.0	6795.7	6562.1	6485.3	6472.5	6830.9	7506.0	7403.6	7310.8	9259.3
50°	8001.9	7893.1	7554.0	7470.8	7413.2	7390.8	8229.1	8651.4	8177.9	8014.7	10049.6
52.5°	8878.5	8635.4	8251.4	8280.2	8481.8	8485.0	9646.4	9739.2	8821.0	8497.8	10795.0
55°	9579.2	9419.3	9105.7	9064.1	9595.2	9652.8	10916.6	10564.7	9179.3	8958.5	11070.2
57.5°	10404.7	10331.1	10103.9	10110.3	10667.1	10788.6	12046.0	11262.2	9476.8	9256.1	11111.8
60°	11598.1	11386.9	11268.6	11322.9	11978.8	12097.2	13140.2	11764.5	9620.8	9451.3	11009.4
62.5°	12916.3	12669.9	12541.9	12820.3	13776.9	13796.1	13972.1	12209.2	9531.2	9502.4	10350.3
65°	14503.2	14260.1	14157.7	14717.6	15853.4	15783.0	15139.9	12398.0	9246.5	8987.3	8619.4
67.5°	16083.8	15936.6	15725.4	16618.1	18032.2	18032.2	16352.5	12327.6	8501.0	7214.8	5637.5
70°	16832.4	16934.8	17270.8	18672.1	20172.7	20019.1	17549.1	11518.1	6328.6	3874.6	2217.2
72°	16333.3	16227.7	17094.8	19344.0	21490.9	21238.1	17347.6	9156.9	3657.0	1698.9	771.1
72.5°	15475.9	15575.0	16768.5	19251.2	21244.5	21452.5	16854.8	8446.6	3007.5	1353.4	582.3
75°	9489.6	9659.2	12516.3	16346.1	18512.2	18278.6	13037.9	4024.9	1155.0	575.9	208.0
77.5°	3465.0	3605.8	6072.6	10286.3	13165.8	13018.7	7544.4	1430.2	627.1	428.7	105.6
80°	902.3	975.8	2063.7	4744.8	7742.7	7752.3	3157.9	572.7	425.5	351.9	64.0
82.5°	179.2	198.4	633.5	1846.1	3618.6	3570.6	998.2	307.1	319.9	288.0	44.8
85°	22.4	28.8	134.4	627.1	1171.0	1049.4	246.4	153.6	236.8	224.0	28.8
87.5°	3.2	3.2	32.0	144.0	246.4	240.0	51.2	48.0	105.6	137.6	16.0
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°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3273.1	3285.9	3330.7	3369.0	3413.8	3426.6	3407.4	3439.4	3394.6	3420.2	3426.6
5°	3279.5	3353.1	3436.2	3490.6	3477.8	3445.8	3420.2	3333.9	3273.1	3250.7	3298.7
7.5°	3324.3	3407.4	3497.0	3497.0	3426.6	3260.3	3100.3	2946.7	2818.7	2754.7	2809.1
10°	3381.8	3468.2	3561.0	3439.4	3177.1	2873.1	2646.0	2358.0	2162.8	2060.5	2070.1
12.5°	3458.6	3580.2	3612.2	3330.7	2895.5	2444.4	2031.7	1631.7	1446.2	1299.0	1302.2
15°	3557.8	3676.2	3580.2	3093.9	2537.2	1871.7	1375.8	995.0	847.9	771.1	771.1
17.5°	3689.0	3778.6	3570.6	2876.3	2054.1	1279.8	844.7	671.9	639.9	627.1	627.1
20°	3842.6	3909.8	3477.8	2537.2	1526.1	822.3	620.7	601.5	604.7	598.3	598.3
22.5°	4015.3	4037.7	3372.2	2143.6	1033.4	607.9	579.1	582.3	585.5	579.1	582.3
25°	4197.7	4136.9	3218.7	1682.9	687.9	553.5	559.9	566.3	569.5	572.7	572.7
27.5°	4402.5	4280.9	3004.3	1231.8	537.5	521.5	540.7	559.9	563.1	563.1	559.9
30°	4703.2	4501.7	2796.3	835.1	473.5	486.3	518.3	540.7	556.7	556.7	553.5
32.5°	5084.0	4732.0	2505.2	569.5	438.3	444.7	470.3	515.1	550.3	553.5	543.9
35°	5611.9	5010.4	2201.2	454.3	412.7	415.9	431.9	467.1	527.9	547.1	543.9
37.5°	6168.6	5327.1	1823.7	409.5	393.5	390.3	399.9	428.7	483.1	531.1	534.3
40°	6760.5	5659.9	1427.0	387.1	377.5	371.1	374.3	387.1	428.7	489.5	502.3
42.5°	7317.2	5960.6	1071.8	364.7	361.5	355.1	355.1	358.3	380.7	422.3	428.7
45°	7918.7	6207.0	815.9	348.7	339.1	342.3	329.5	323.1	339.1	342.3	339.1
47.5°	8481.8	6453.3	652.7	329.5	319.9	319.9	304.0	291.2	291.2	262.4	259.2
50°	9009.7	6587.7	521.5	304.0	300.8	297.6	275.2	252.8	233.6	198.4	192.0
52.5°	9448.1	6581.3	403.1	272.0	281.6	272.0	236.8	204.8	176.0	144.0	137.6
55°	9579.2	6274.2	304.0	224.0	240.0	227.2	188.8	160.0	128.0	102.4	99.2
57.5°	9467.2	5807.0	230.4	172.8	185.6	172.8	144.0	118.4	89.6	70.4	64.0
60°	9092.9	5259.9	179.2	134.4	140.8	131.2	108.8	89.6	64.0	44.8	38.4
62.5°	8382.6	4575.3	137.6	105.6	102.4	102.4	83.2	67.2	44.8	25.6	22.4
65°	6878.9	3567.4	105.6	73.6	73.6	73.6	64.0	48.0	28.8	12.8	6.4
67.5°	4319.3	2076.5	86.4	57.6	54.4	54.4	44.8	32.0	16.0	3.2	0.0
70°	1625.3	761.5	67.2	44.8	41.6	41.6	32.0	19.2	9.6	0.0	0.0
72°	559.9	291.2	54.4	32.0	32.0	28.8	22.4	16.0	6.4	0.0	0.0
72.5°	460.7	233.6	51.2	32.0	28.8	28.8	22.4	16.0	6.4	0.0	0.0
75°	166.4	96.0	35.2	22.4	19.2	19.2	16.0	9.6	3.2	0.0	0.0
77.5°	83.2	60.8	28.8	19.2	16.0	9.6	9.6	6.4	3.2	0.0	0.0
80°	51.2	38.4	16.0	12.8	9.6	6.4	3.2	3.2	0.0	0.0	0.0
82.5°	35.2	22.4	9.6	9.6	6.4	3.2	0.0	0.0	0.0	0.0	0.0
85°	22.4	9.6	6.4	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	6.4	3.2	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)