

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: P483066

Luminaire Tested: **IFLD-S-SA2B-722-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483066  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-722-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

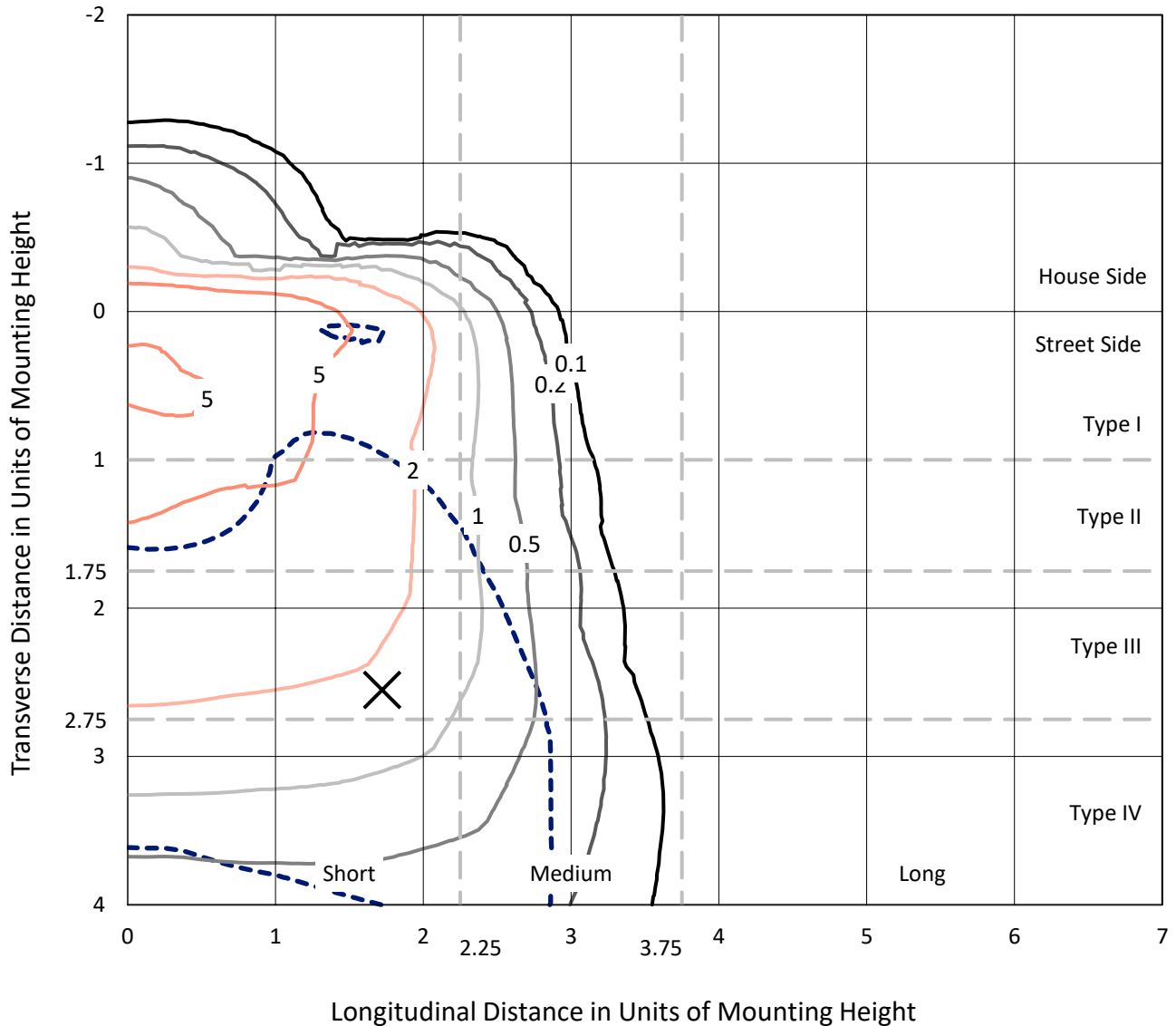
Lumens per Lamp: N/A  
Luminaire Lumens: 6081.4 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4  
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

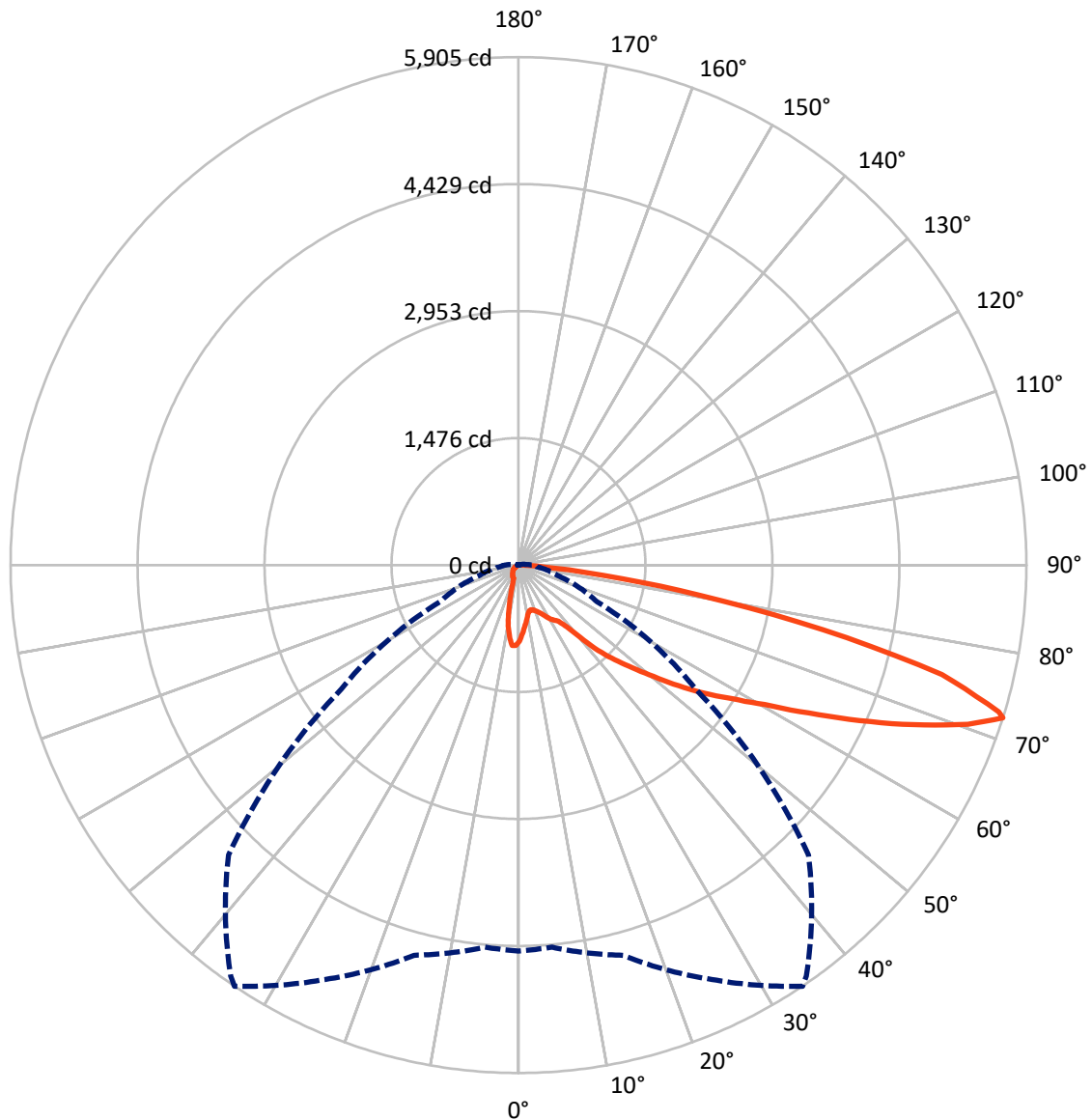
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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	622.6	0.0	622.6
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	5458.8	0.0	5458.8
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	6081.4	0.0	6081.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.2	1.3
10°-20°	174.9	2.9
20°-30°	263.9	4.3
30°-40°	428.3	7.0
40°-50°	805.4	13.2
50°-60°	1316.9	21.7
60°-70°	1750.6	28.8
70°-80°	1172.4	19.3
80°-90°	91.9	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°	6081.4	100.0
0°-180°	6081.4	100.0



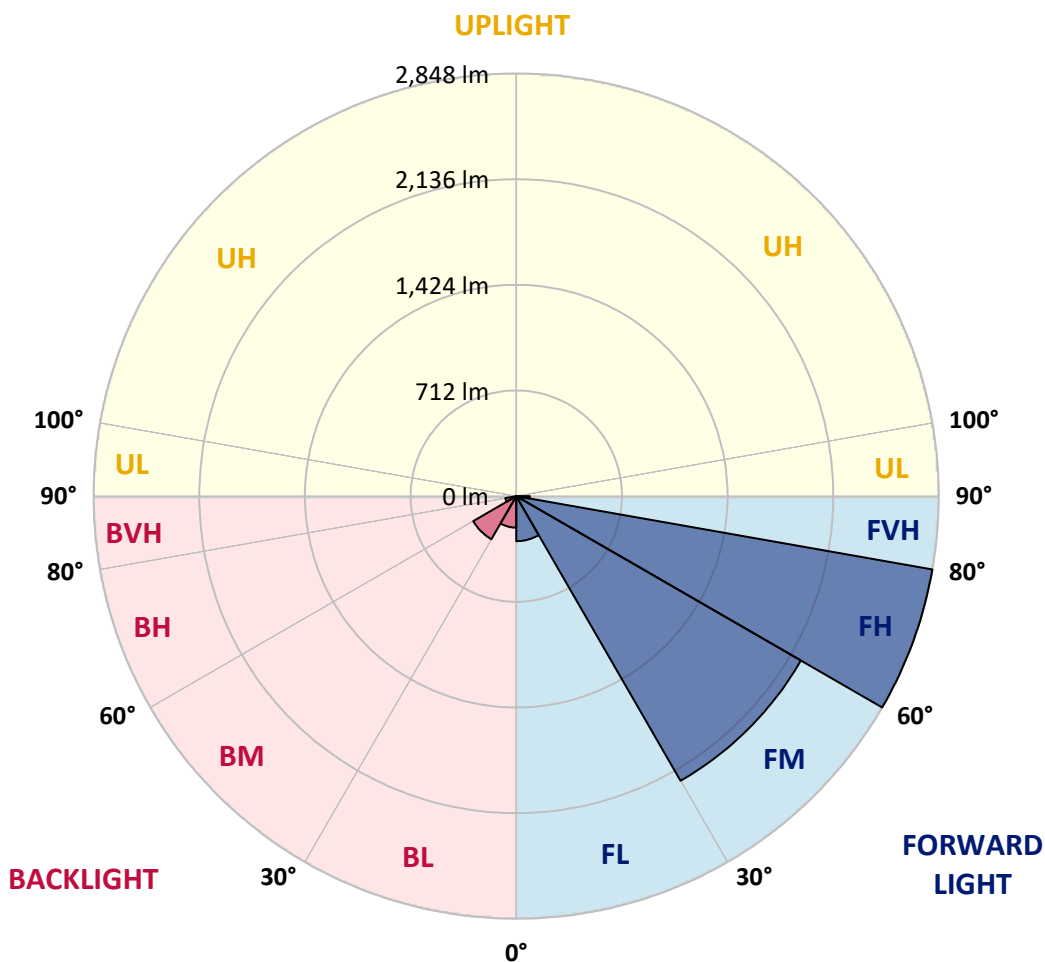
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.6	5.0			
FM (30°-60°)	2215.4	36.4			
FH (60°-80°)	2848.5	46.8			G2/5000
FVH (80°-90°)	91.3	1.5			G1/100
BL (0°-30°)	212.4	3.5	B1/500		
BM (30°-60°)	335.1	5.5	B1/1000		
BH (60°-80°)	74.4	1.2	B0/110		G0/110
BVH (80°-90°)	0.6	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7
2.5°	786.9	785.1	790.4	799.2	808.0	804.4	821.1	838.7	851.0	867.7	888.0
5°	687.5	691.9	697.2	714.8	726.2	728.8	759.6	782.5	820.3	858.9	895.0
7.5°	597.0	602.2	612.8	632.1	655.9	662.0	692.8	738.5	787.7	838.7	897.6
10°	531.0	536.3	547.7	560.0	591.7	591.7	633.9	697.2	761.4	821.1	898.5
12.5°	516.9	519.6	518.7	528.4	548.6	553.0	594.3	663.8	738.5	815.0	912.6
15°	533.7	535.4	526.6	521.3	538.9	543.3	582.0	643.5	723.6	818.5	935.4
17.5°	567.1	560.9	543.3	535.4	550.4	553.0	589.0	642.7	721.8	828.2	961.8
20°	586.4	593.4	562.7	547.7	568.8	572.3	611.0	656.7	730.6	844.9	998.7
22.5°	620.7	624.2	582.9	573.2	593.4	593.4	637.4	684.9	751.7	872.1	1042.7
25°	669.0	664.6	616.3	606.6	626.0	633.9	677.8	729.7	784.2	897.6	1083.1
27.5°	706.8	709.5	669.9	644.4	677.0	682.2	729.7	778.1	808.8	918.7	1132.4
30°	763.1	757.8	715.6	686.6	727.1	727.9	773.7	823.8	856.3	956.5	1206.2
32.5°	829.9	819.4	771.0	729.7	762.2	770.1	816.7	889.7	930.2	1027.7	1320.5
35°	971.5	946.0	866.9	802.7	805.3	808.8	880.9	985.5	1032.1	1118.3	1473.5
37.5°	1178.1	1167.5	1077.9	955.7	909.1	898.5	979.4	1112.1	1170.2	1237.9	1672.2
40°	1382.9	1368.0	1284.5	1192.1	1107.7	1086.6	1127.1	1280.1	1332.8	1404.0	1876.1
42.5°	1610.6	1584.3	1485.8	1411.1	1358.3	1335.5	1319.6	1491.1	1550.8	1599.2	2075.7
45°	1841.0	1797.9	1655.5	1598.3	1570.2	1557.9	1556.1	1756.6	1792.6	1802.3	2297.3
47.5°	2043.2	1996.6	1867.3	1803.2	1782.1	1778.5	1877.0	2062.5	2034.4	2008.9	2544.3
50°	2198.8	2168.9	2075.7	2052.8	2037.0	2030.9	2261.2	2377.3	2247.1	2202.3	2761.5
52.5°	2439.7	2372.9	2267.4	2275.3	2330.7	2331.5	2650.7	2676.2	2423.9	2335.1	2966.3
55°	2632.2	2588.3	2502.1	2490.7	2636.6	2652.4	2999.7	2903.0	2522.3	2461.7	3041.9
57.5°	2859.0	2838.8	2776.4	2778.2	2931.1	2964.5	3310.1	3094.7	2604.1	2543.4	3053.3
60°	3187.0	3128.9	3096.4	3111.4	3291.6	3324.1	3610.7	3232.7	2643.6	2597.1	3025.2
62.5°	3549.2	3481.5	3446.3	3522.8	3785.7	3791.0	3839.3	3354.9	2619.0	2611.1	2844.1
65°	3985.3	3918.4	3890.3	4044.2	4356.3	4336.9	4160.2	3406.8	2540.8	2469.6	2368.5
67.5°	4419.6	4379.1	4321.1	4566.4	4955.0	4955.0	4493.4	3387.4	2335.9	1982.5	1549.1
70°	4625.3	4653.4	4745.7	5130.8	5543.1	5500.9	4822.2	3165.0	1739.0	1064.7	609.3
72°	4488.1	4459.1	4697.4	5315.4	5905.3	5835.9	4766.8	2516.2	1004.9	466.8	211.9
72.5°	4252.5	4279.8	4607.7	5289.9	5837.7	5894.8	4631.4	2321.0	826.4	371.9	160.0
75°	2607.6	2654.2	3439.3	4491.7	5086.8	5022.7	3582.6	1106.0	317.4	158.2	57.1
77.5°	952.1	990.8	1668.7	2826.5	3617.8	3577.3	2073.1	393.0	172.3	117.8	29.0
80°	247.9	268.1	567.1	1303.8	2127.6	2130.2	867.7	157.4	116.9	96.7	17.6
82.5°	49.2	54.5	174.1	507.3	994.3	981.1	274.3	84.4	87.9	79.1	12.3
85°	6.2	7.9	36.9	172.3	321.8	288.4	67.7	42.2	65.1	61.5	7.9
87.5°	0.9	0.9	8.8	39.6	67.7	65.9	14.1	13.2	29.0	37.8	4.4
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°	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7
2.5°	899.4	902.9	915.2	925.8	938.1	941.6	936.3	945.1	932.8	939.8	941.6
5°	901.1	921.4	944.2	959.2	955.7	946.9	939.8	916.1	899.4	893.2	906.4
7.5°	913.5	936.3	960.9	960.9	941.6	895.9	851.9	809.7	774.5	757.0	771.9
10°	929.3	953.0	978.5	945.1	873.0	789.5	727.1	647.9	594.3	566.2	568.8
12.5°	950.4	983.8	992.6	915.2	795.6	671.7	558.3	448.4	397.4	356.9	357.8
15°	977.6	1010.2	983.8	850.2	697.2	514.3	378.0	273.4	233.0	211.9	211.9
17.5°	1013.7	1038.3	981.1	790.4	564.4	351.7	232.1	184.6	175.8	172.3	172.3
20°	1055.9	1074.3	955.7	697.2	419.4	225.9	170.6	165.3	166.2	164.4	164.4
22.5°	1103.4	1109.5	926.6	589.0	284.0	167.0	159.1	160.0	160.9	159.1	160.0
25°	1153.5	1136.8	884.4	462.4	189.0	152.1	153.9	155.6	156.5	157.4	157.4
27.5°	1209.7	1176.3	825.5	338.5	147.7	143.3	148.6	153.9	154.7	154.7	153.9
30°	1292.4	1237.0	768.4	229.5	130.1	133.6	142.4	148.6	153.0	153.0	152.1
32.5°	1397.0	1300.3	688.4	156.5	120.4	122.2	129.2	141.5	151.2	152.1	149.5
35°	1542.1	1376.8	604.9	124.8	113.4	114.3	118.7	128.4	145.1	150.3	149.5
37.5°	1695.0	1463.8	501.1	112.5	108.1	107.3	109.9	117.8	132.8	145.9	146.8
40°	1857.7	1555.2	392.1	106.4	103.7	102.0	102.9	106.4	117.8	134.5	138.0
42.5°	2010.6	1637.9	294.5	100.2	99.3	97.6	97.6	98.5	104.6	116.0	117.8
45°	2175.9	1705.6	224.2	95.8	93.2	94.1	90.6	88.8	93.2	94.1	93.2
47.5°	2330.7	1773.3	179.3	90.6	87.9	87.9	83.5	80.0	80.0	72.1	71.2
50°	2475.7	1810.2	143.3	83.5	82.6	81.8	75.6	69.5	64.2	54.5	52.7
52.5°	2596.2	1808.4	110.8	74.7	77.4	74.7	65.1	56.3	48.4	39.6	37.8
55°	2632.2	1724.0	83.5	61.5	65.9	62.4	51.9	44.0	35.2	28.1	27.3
57.5°	2601.4	1595.7	63.3	47.5	51.0	47.5	39.6	32.5	24.6	19.3	17.6
60°	2498.6	1445.3	49.2	36.9	38.7	36.0	29.9	24.6	17.6	12.3	10.5
62.5°	2303.4	1257.2	37.8	29.0	28.1	28.1	22.9	18.5	12.3	7.0	6.2
65°	1890.2	980.3	29.0	20.2	20.2	20.2	17.6	13.2	7.9	3.5	1.8
67.5°	1186.9	570.6	23.7	15.8	14.9	14.9	12.3	8.8	4.4	0.9	0.0
70°	446.6	209.2	18.5	12.3	11.4	11.4	8.8	5.3	2.6	0.0	0.0
72°	153.9	80.0	14.9	8.8	8.8	7.9	6.2	4.4	1.8	0.0	0.0
72.5°	126.6	64.2	14.1	8.8	7.9	7.9	6.2	4.4	1.8	0.0	0.0
75°	45.7	26.4	9.7	6.2	5.3	5.3	4.4	2.6	0.9	0.0	0.0
77.5°	22.9	16.7	7.9	5.3	4.4	2.6	2.6	1.8	0.9	0.0	0.0
80°	14.1	10.5	4.4	3.5	2.6	1.8	0.9	0.9	0.0	0.0	0.0
82.5°	9.7	6.2	2.6	2.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0
85°	6.2	2.6	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	1.8	0.9	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)