

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: P565371

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T2R-HSS**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565371  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-AMB-U-T2R-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T2R distribution lens and House Side Shield  
Light Source: (112) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

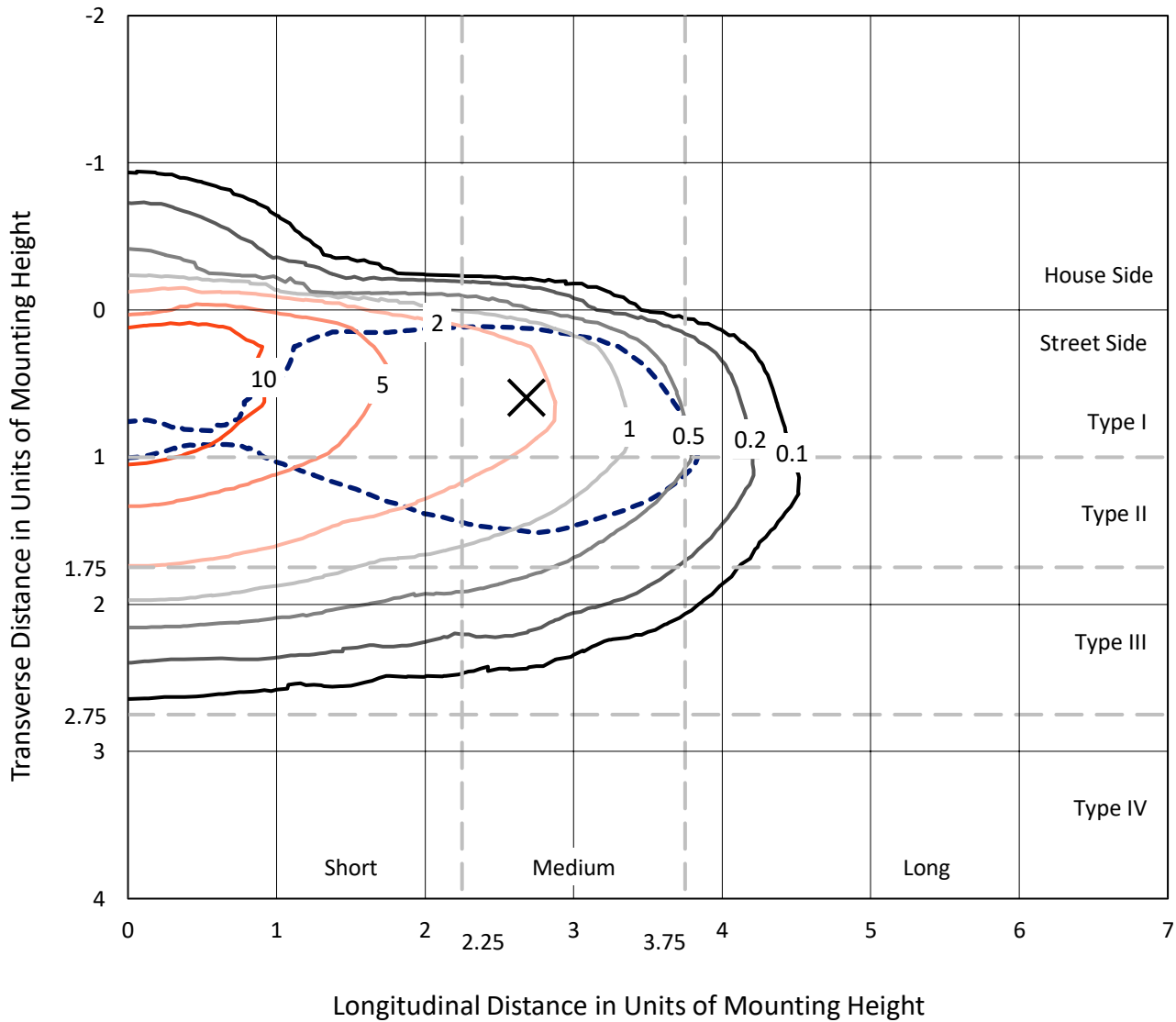
Lumens per Lamp: N/A  
Luminaire Lumens: 5849.3 lumens  
Efficiency: N/A  
Efficacy: 41.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G2

Input Watts (W): 140.5  
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

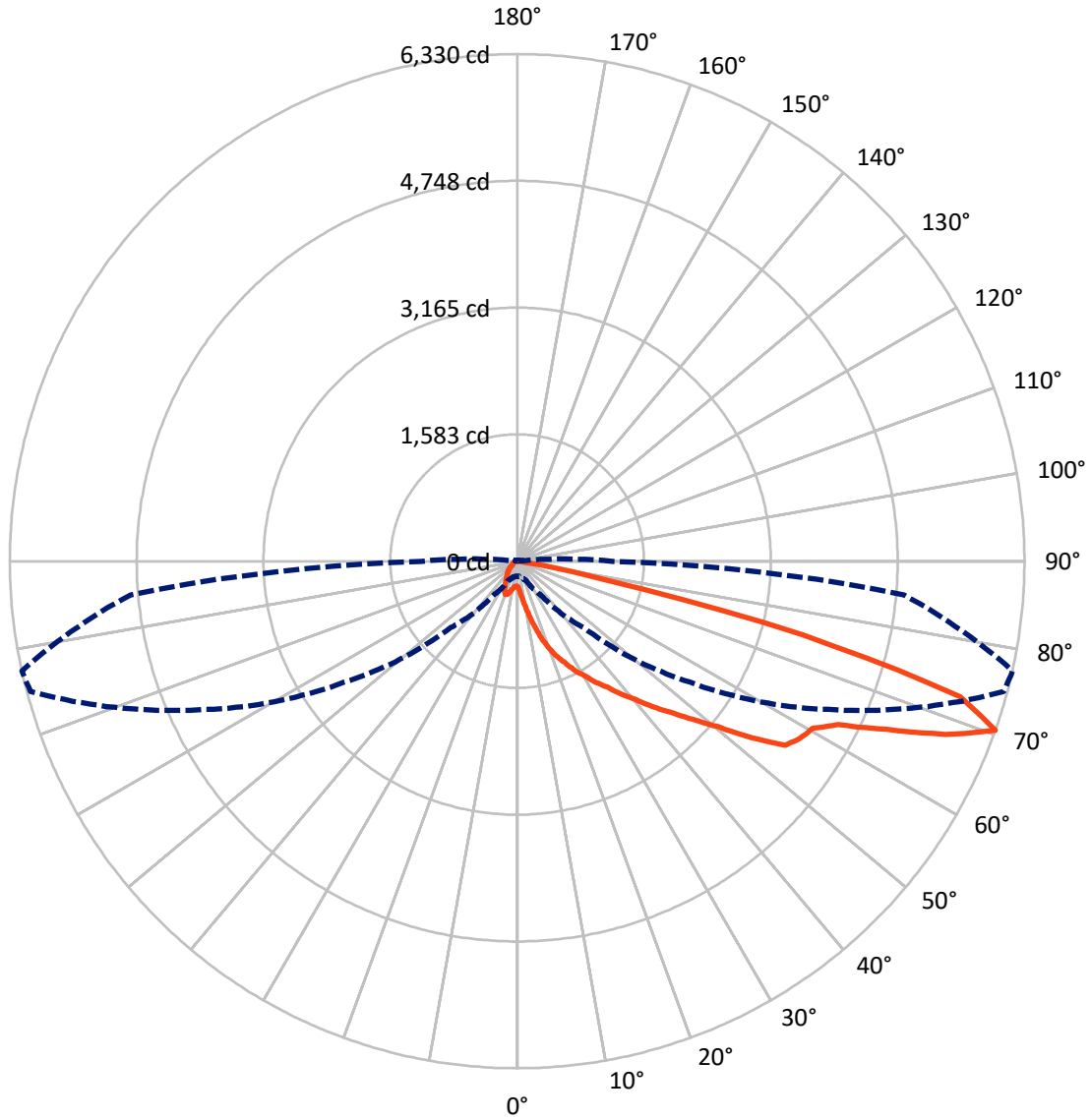
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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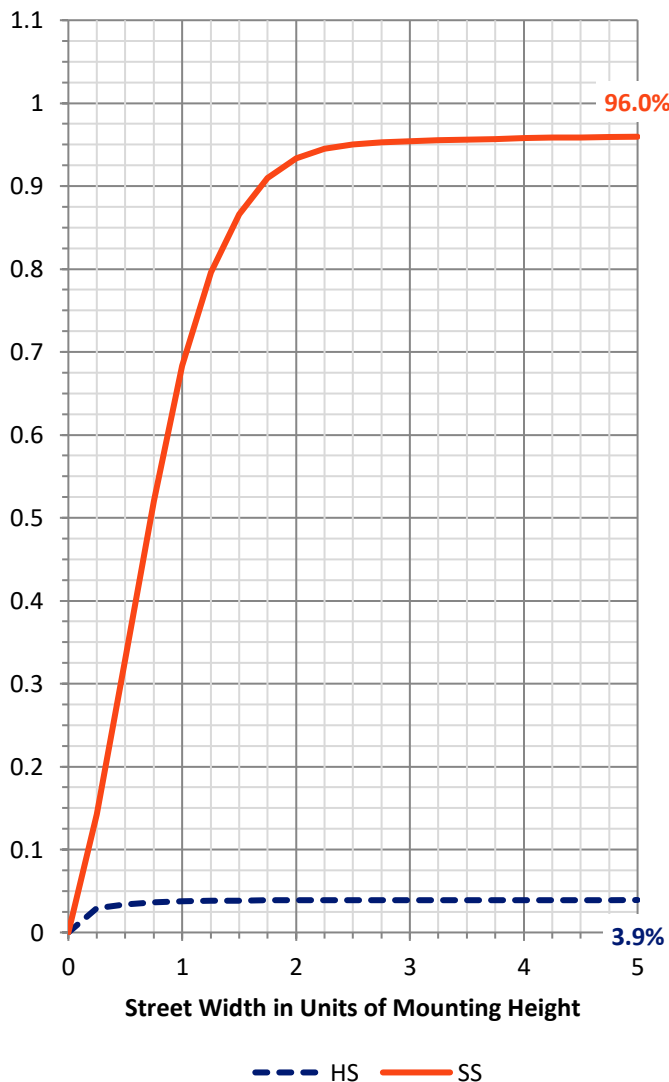
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	230.0	0.0	230.0
	% Fixture	3.9	0.0	3.9
<b>Street Side</b>	Lumens	5619.3	0.0	5619.3
	% Fixture	96.1	0.0	96.1
<b>Total</b>	Lumens	5849.3	0.0	5849.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.2	0.8
10°-20°	214.0	3.7
20°-30°	425.0	7.3
30°-40°	780.7	13.3
40°-50°	1154.6	19.7
50°-60°	1352.4	23.1
60°-70°	1267.1	21.7
70°-80°	588.6	10.1
80°-90°	18.7	0.3
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°	5849.3	100.0
0°-180°	5849.3	100.0

**Coefficient of Utilization**

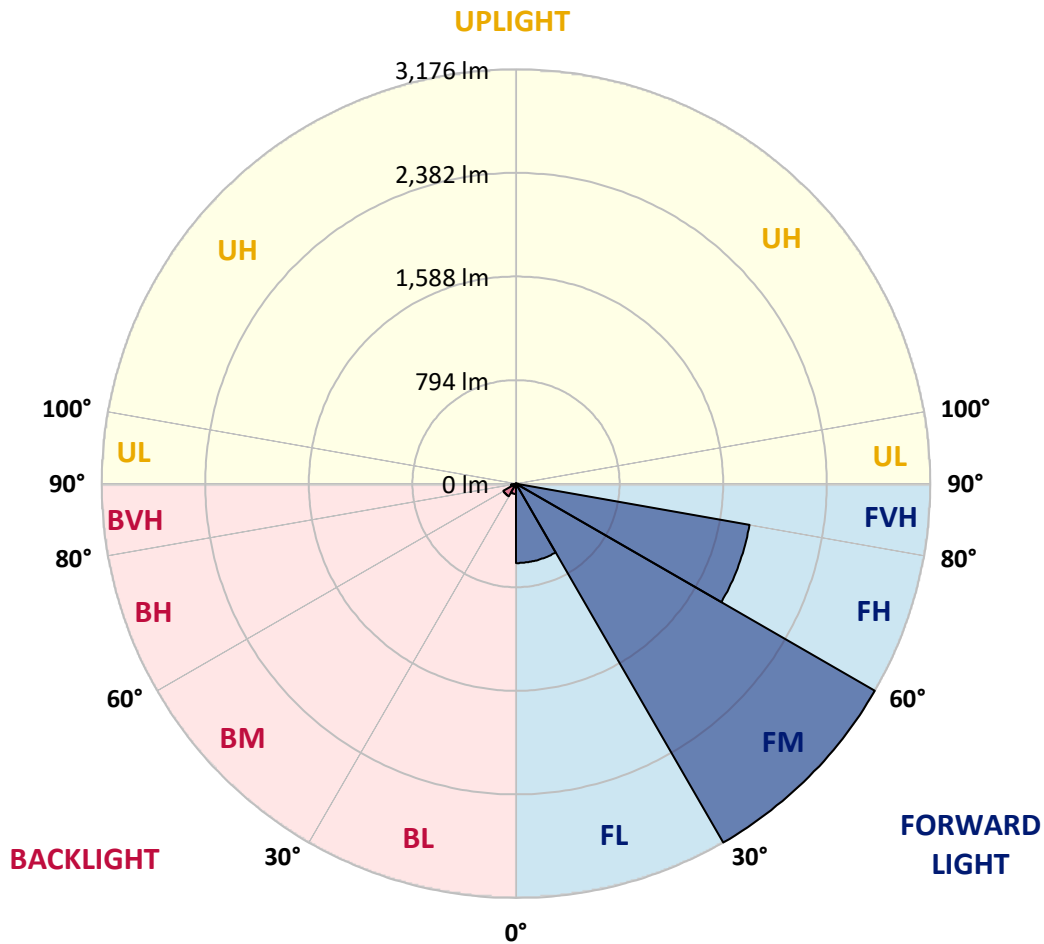


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.6	10.4			
FM (30°-60°)	3176.1	54.3			
FH (60°-80°)	1817.7	31.1			G2/5000
FVH (80°-90°)	16.9	0.3			G1/100
BL (0°-30°)	78.6	1.3	B0/110		
BM (30°-60°)	111.7	1.9	B0/220		
BH (60°-80°)	38.0	0.6	B0/110		G0/110
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: B0-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7
2.5°	481.2	459.8	456.2	445.6	434.9	409.9	388.5	360.0	338.6	331.5	327.9
5°	841.2	819.8	794.9	752.1	712.9	620.2	552.5	470.5	399.2	388.5	356.4
7.5°	1097.8	1072.9	1065.8	1023.0	1019.4	933.9	794.9	638.0	499.0	477.6	399.2
10°	1254.7	1244.0	1244.0	1226.2	1208.3	1172.7	1062.2	873.3	623.8	584.6	470.5
12.5°	1390.1	1368.7	1390.1	1390.1	1415.1	1340.2	1240.4	1083.6	780.6	712.9	545.4
15°	1475.7	1468.5	1497.1	1529.1	1550.5	1514.9	1404.4	1247.5	976.6	880.4	652.3
17.5°	1447.1	1472.1	1514.9	1586.2	1664.6	1668.1	1593.3	1386.6	1144.2	1033.7	741.4
20°	1415.1	1411.5	1493.5	1550.5	1668.1	1767.9	1735.9	1547.0	1276.1	1179.8	859.0
22.5°	1422.2	1432.9	1511.3	1550.5	1668.1	1807.2	1839.2	1675.3	1386.6	1301.0	966.0
25°	1596.9	1586.2	1604.0	1636.1	1710.9	1828.5	1910.5	1807.2	1507.7	1415.1	1097.8
27.5°	1896.3	1892.7	1860.6	1785.8	1792.9	1892.7	1949.7	1921.2	1636.1	1554.1	1204.8
30°	2438.1	2384.6	2302.6	2106.6	1946.2	1967.6	2003.2	1981.8	1760.8	1657.4	1315.3
32.5°	2712.5	2691.1	2669.7	2509.3	2163.6	2067.4	2070.9	2017.5	1889.1	1803.6	1407.9
35°	3001.2	2987.0	2865.8	2776.7	2498.6	2252.7	2206.4	2088.7	2056.7	1928.3	1504.2
37.5°	3143.8	3175.9	3111.7	2962.0	2783.8	2552.1	2348.9	2188.5	2192.1	2106.6	1611.1
40°	3275.7	3272.1	3165.2	3101.0	2940.6	2787.4	2555.7	2348.9	2327.6	2270.5	1728.7
42.5°	3282.8	3304.2	3236.5	3158.1	3083.2	2979.8	2830.1	2491.5	2527.2	2480.8	1857.1
45°	3129.5	3118.9	3143.8	3165.2	3168.8	3090.3	3133.1	2737.5	2748.2	2698.3	2035.3
47.5°	2965.6	2905.0	2933.5	3061.8	3154.5	3150.9	3332.7	2994.1	2972.7	2947.8	2213.5
50°	2648.4	2666.2	2687.6	2840.8	3101.0	3215.1	3514.5	3218.7	3240.0	3250.7	2491.5
52.5°	2309.7	2327.6	2373.9	2584.2	2915.7	3218.7	3660.6	3607.2	3650.0	3657.1	2812.3
55°	2156.5	2142.2	2149.3	2291.9	2630.5	3193.7	3678.5	3867.4	4084.8	4059.9	3033.3
57.5°	1964.0	1960.4	1992.5	2145.8	2409.5	3022.6	3742.6	4006.4	4191.7	4166.8	3115.3
60°	1632.5	1650.3	1735.9	1942.6	2288.3	2794.5	3678.5	3985.0	4238.1	4238.1	3261.4
62.5°	1197.6	1222.6	1340.2	1614.7	2028.1	2502.2	3510.9	3970.7	4466.2	4491.2	3607.2
65°	677.2	684.4	805.6	1101.4	1600.4	2177.9	3354.1	4216.7	4961.7	5061.5	4031.3
67.5°	313.7	306.5	385.0	605.9	1037.2	1721.6	3108.2	4427.0	5681.7	5767.2	4669.4
70°	188.9	188.9	206.7	267.3	520.4	1172.7	2634.1	4391.3	6287.6	6330.4	4844.0
72.5°	149.7	153.3	160.4	171.1	242.4	605.9	1885.6	3813.9	6059.5	5777.9	4020.7
75°	106.9	114.1	131.9	139.0	160.4	285.2	816.2	2263.4	4102.6	3678.5	2160.0
77.5°	85.5	85.5	92.7	106.9	121.2	192.5	199.6	755.7	1326.0	1090.7	409.9
80°	53.5	53.5	74.9	78.4	99.8	124.8	67.7	160.4	178.2	149.7	74.9
82.5°	28.5	32.1	39.2	60.6	82.0	57.0	28.5	53.5	57.0	57.0	32.1
85°	0.0	3.6	21.4	39.2	28.5	14.3	17.8	21.4	21.4	21.4	14.3
87.5°	0.0	0.0	10.7	7.1	7.1	3.6	3.6	7.1	7.1	7.1	3.6
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°	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7
2.5°	320.8	317.2	306.5	303.0	292.3	285.2	285.2	281.6	274.5	274.5	274.5
5°	338.6	327.9	310.1	292.3	281.6	274.5	270.9	260.2	253.1	253.1	253.1
7.5°	370.7	349.3	324.4	299.4	281.6	260.2	238.8	217.4	203.2	192.5	192.5
10°	413.5	381.4	338.6	310.1	267.3	217.4	174.7	142.6	131.9	124.8	124.8
12.5°	466.9	420.6	363.6	310.1	221.0	153.3	121.2	106.9	103.4	99.8	99.8
15°	531.1	466.9	388.5	281.6	160.4	117.6	99.8	96.2	92.7	89.1	89.1
17.5°	605.9	520.4	402.8	228.1	121.2	99.8	92.7	85.5	82.0	82.0	82.0
20°	673.7	573.9	392.1	164.0	99.8	89.1	82.0	74.9	71.3	71.3	71.3
22.5°	752.1	609.5	349.3	121.2	89.1	78.4	71.3	67.7	64.2	60.6	60.6
25°	826.9	645.2	281.6	96.2	82.0	71.3	64.2	60.6	57.0	53.5	53.5
27.5°	901.8	673.7	213.9	85.5	74.9	64.2	57.0	53.5	49.9	49.9	49.9
30°	980.2	680.8	153.3	78.4	67.7	60.6	53.5	49.9	46.3	46.3	46.3
32.5°	1012.3	666.5	110.5	74.9	64.2	53.5	46.3	42.8	42.8	42.8	42.8
35°	1058.6	638.0	89.1	67.7	57.0	49.9	42.8	42.8	39.2	39.2	39.2
37.5°	1112.1	584.6	78.4	64.2	53.5	46.3	42.8	39.2	39.2	35.6	35.6
40°	1151.3	531.1	71.3	60.6	49.9	42.8	39.2	35.6	35.6	32.1	32.1
42.5°	1201.2	452.7	71.3	57.0	46.3	39.2	35.6	32.1	28.5	28.5	25.0
45°	1254.7	377.8	67.7	53.5	42.8	35.6	32.1	25.0	21.4	21.4	21.4
47.5°	1308.1	295.8	64.2	49.9	39.2	32.1	25.0	21.4	17.8	17.8	14.3
50°	1404.4	228.1	57.0	42.8	35.6	28.5	21.4	17.8	14.3	14.3	10.7
52.5°	1486.4	181.8	53.5	39.2	32.1	25.0	17.8	14.3	10.7	10.7	10.7
55°	1457.8	146.1	46.3	35.6	28.5	17.8	14.3	10.7	10.7	7.1	7.1
57.5°	1354.5	131.9	42.8	32.1	25.0	17.8	14.3	10.7	7.1	7.1	7.1
60°	1326.0	117.6	39.2	32.1	21.4	14.3	10.7	7.1	7.1	7.1	3.6
62.5°	1322.4	106.9	35.6	25.0	17.8	10.7	10.7	7.1	7.1	3.6	3.6
65°	1375.9	96.2	28.5	21.4	14.3	10.7	7.1	7.1	3.6	0.0	0.0
67.5°	1393.7	85.5	28.5	17.8	10.7	7.1	7.1	3.6	0.0	0.0	0.0
70°	1186.9	71.3	25.0	14.3	10.7	7.1	3.6	3.6	0.0	0.0	0.0
72.5°	702.2	57.0	21.4	10.7	7.1	7.1	3.6	3.6	0.0	0.0	0.0
75°	253.1	39.2	14.3	10.7	7.1	3.6	3.6	0.0	0.0	0.0	0.0
77.5°	78.4	28.5	10.7	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
80°	32.1	21.4	10.7	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
82.5°	17.8	14.3	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
85°	10.7	7.1	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	3.6	3.6	3.6	3.6	3.6	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)