

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: P416080

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-827-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4353 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G1

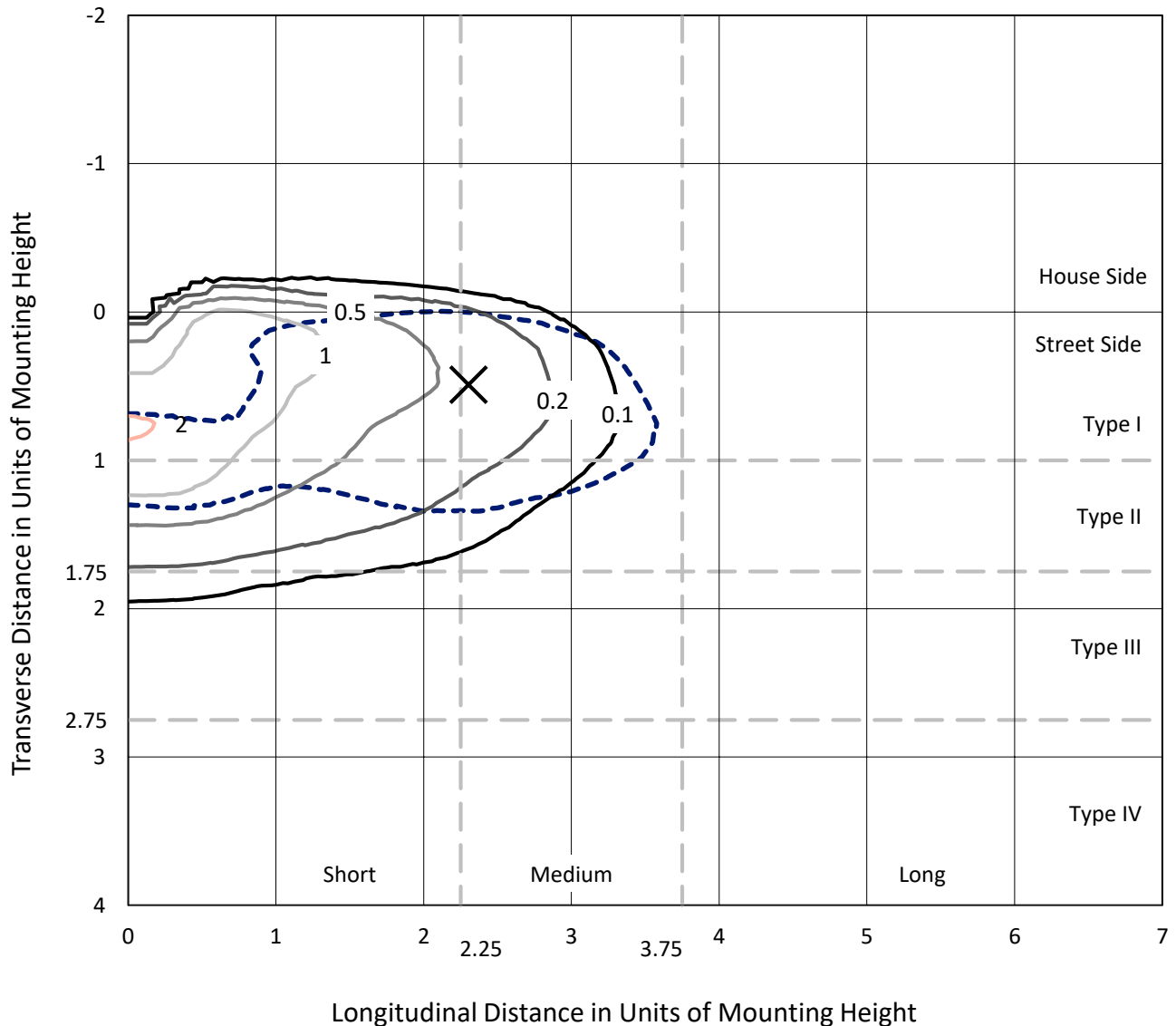
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

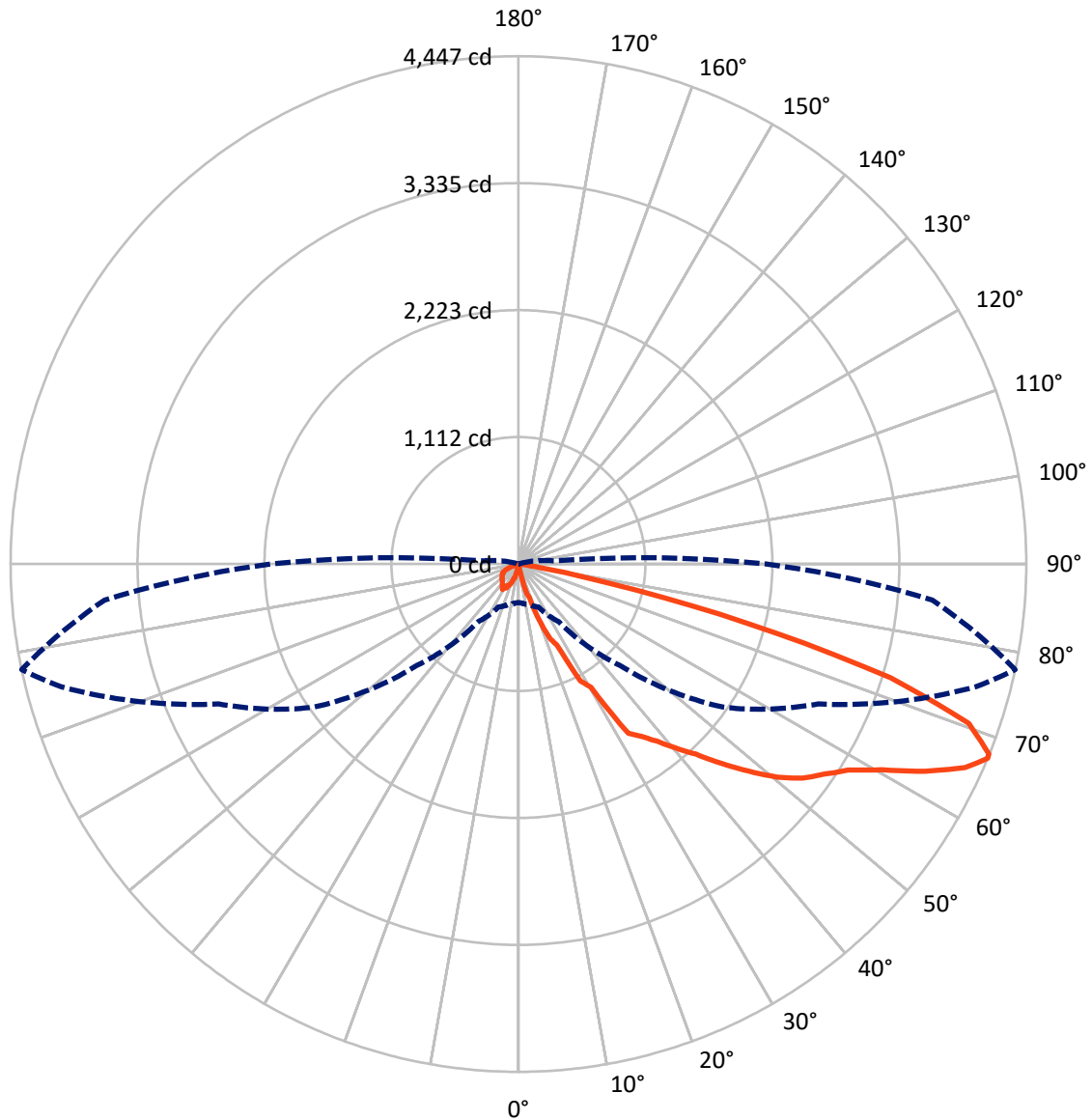
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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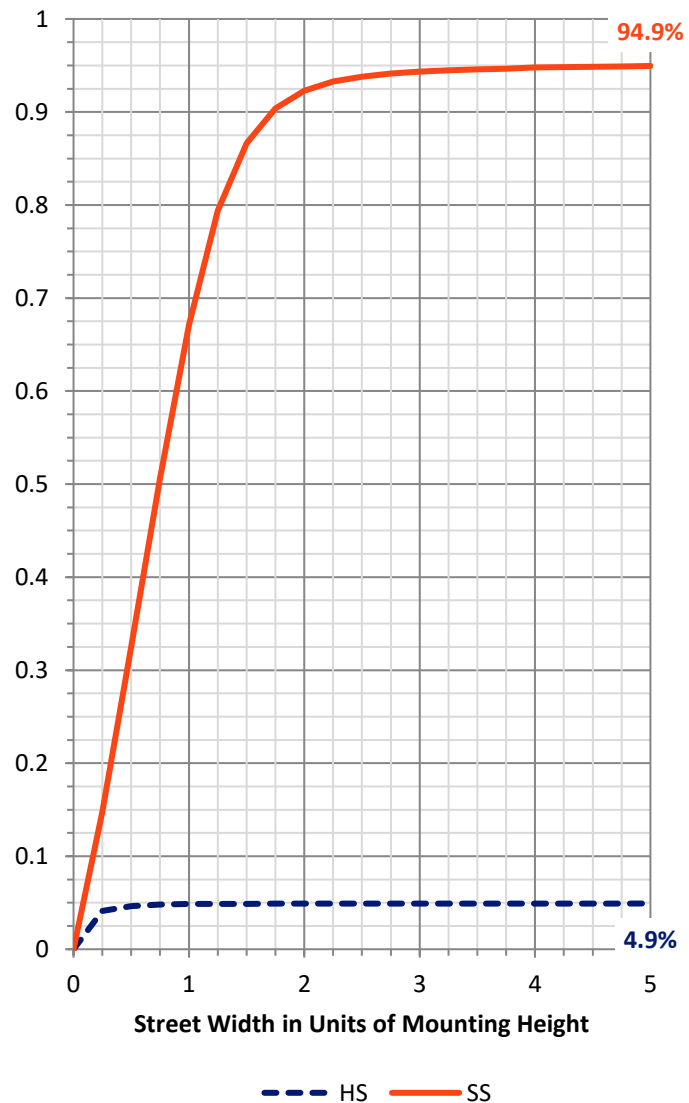
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	215.6	0.0	215.6
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	4137.5	0.0	4137.5
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	4353.0	0.0	4353.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	59.3	1.4
20°-30°	236.4	5.4
30°-40°	601.3	13.8
40°-50°	984.4	22.6
50°-60°	1110.1	25.5
60°-70°	957.3	22.0
70°-80°	385.1	8.8
80°-90°	15.1	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°	4353.0	100.0
0°-180°	4353.0	100.0

**Coefficient of Utilization**



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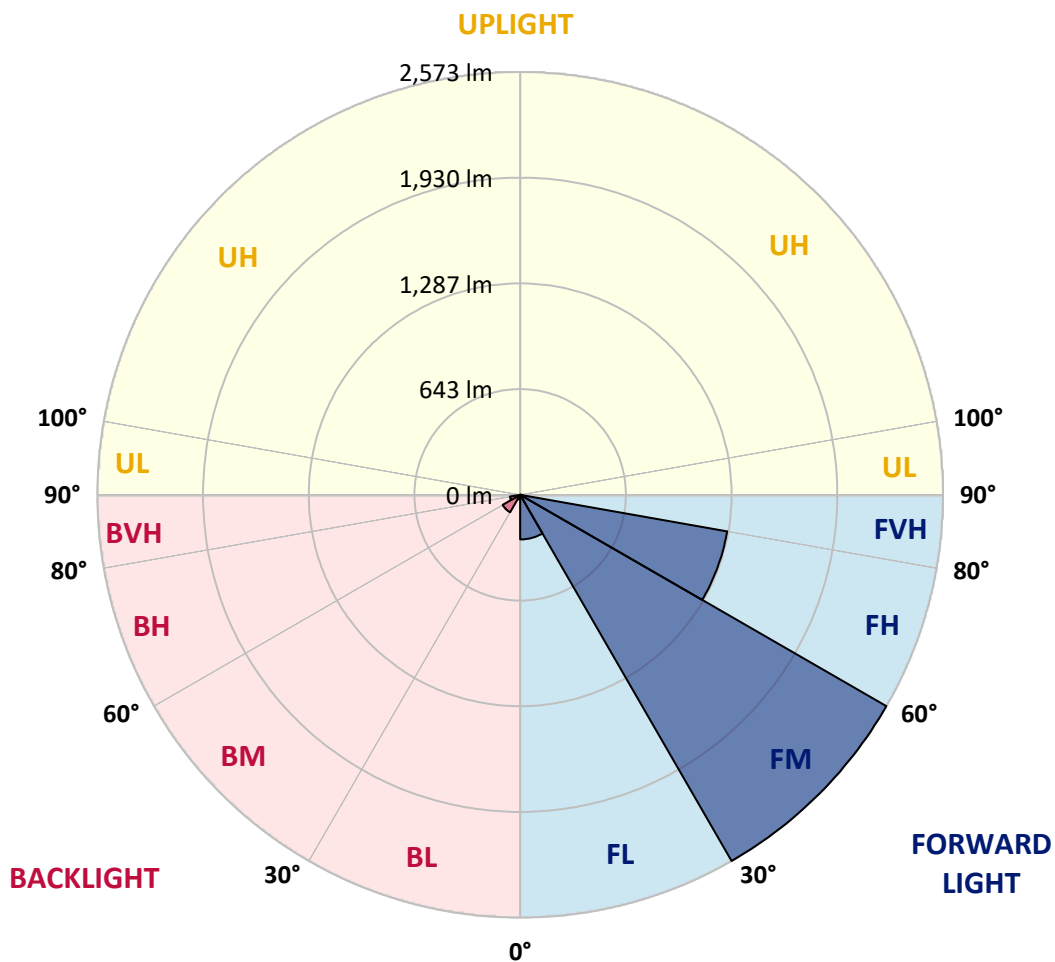
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.5	6.2			
FM	(30°-60°)	2573.1	59.1			
FH	(60°-80°)	1279.3	29.4			G1/1800
FVH	(80°-90°)	13.6	0.3			G1/100
BL	(0°-30°)	28.3	0.6	B0/110		
BM	(30°-60°)	122.7	2.8	B0/220		
BH	(60°-80°)	63.0	1.4	B0/110		G0/110
BVH	(80°-90°)	1.5	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-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.6	0.6	1.2	1.2	2.4	2.4	1.8	1.8	1.8	1.8	1.8
5°	182.3	142.7	101.3	29.4	11.4	5.4	2.4	1.8	1.8	1.8	1.2
7.5°	203.3	201.5	199.1	197.9	194.3	188.3	13.2	2.4	1.8	1.8	1.8
10°	217.7	214.1	213.5	212.9	210.5	205.7	196.7	11.4	1.8	1.8	1.8
12.5°	437.2	435.4	428.2	250.7	225.5	220.7	212.9	152.9	12.0	100.7	109.1
15°	431.8	430.6	435.4	445.0	453.9	242.3	346.0	436.6	268.1	256.7	267.5
17.5°	446.8	446.2	438.4	446.2	459.9	536.7	494.1	476.1	297.4	310.6	285.4
20°	669.2	668.0	674.6	634.4	477.3	668.6	620.7	515.7	584.1	536.7	539.1
22.5°	702.8	705.2	703.4	717.2	828.7	690.8	772.4	801.8	811.4	710.6	613.5
25°	1031.4	1016.4	985.3	761.6	893.5	856.9	981.1	866.5	872.5	786.2	786.2
27.5°	1155.6	1155.6	1129.8	1100.4	948.1	1100.4	1032.6	1138.2	1241.3	1159.8	984.7
30°	1568.1	1556.1	1295.9	1258.7	1180.1	1164.6	1246.7	1336.1	1290.5	1252.1	1107.6
32.5°	1864.4	1865.6	1799.6	1598.1	1403.2	1298.9	1444.0	1474.0	1720.5	1765.4	1501.6
35°	2378.9	2348.9	2026.3	1843.4	1651.5	1581.9	1574.7	1726.4	1868.0	1852.4	1627.5
37.5°	2705.7	2684.7	2528.8	2118.0	1872.2	1716.3	1809.8	1817.0	2046.1	1967.5	1778.0
40°	2855.6	2846.0	2714.1	2365.1	2065.9	1899.8	1929.7	1953.1	2224.8	2116.8	1904.5
42.5°	2976.8	2967.8	2847.8	2489.2	2251.8	2075.5	2064.7	2068.9	2369.3	2274.5	2032.3
45°	3034.9	3029.5	2978.0	2599.0	2332.7	2189.4	2211.6	2184.6	2495.2	2489.2	2173.8
47.5°	2978.6	2981.6	2995.9	2696.1	2392.1	2279.3	2354.3	2311.1	2645.1	2708.1	2333.3
50°	2780.1	2778.9	2861.0	2710.5	2426.3	2351.3	2480.2	2430.5	2823.2	2932.4	2477.2
52.5°	2169.0	2248.8	2546.2	2555.8	2418.5	2387.3	2575.0	2567.8	2991.1	3114.7	2621.2
55°	1632.3	1664.7	1947.1	2217.0	2317.7	2383.1	2608.6	2660.1	3115.3	3247.8	2733.9
57.5°	1282.7	1271.9	1426.6	1787.0	2063.5	2312.3	2600.8	2696.1	3236.4	3403.7	2882.6
60°	938.5	948.1	1071.0	1295.9	1697.1	2151.6	2576.8	2754.3	3428.3	3655.6	3103.9
62.5°	680.6	680.6	765.2	902.5	1300.1	1893.8	2524.6	2835.8	3728.7	3997.4	3367.1
65°	458.1	455.1	518.1	588.3	890.5	1566.9	2384.3	2912.0	4016.6	4297.8	3593.2
67°	337.0	343.6	369.4	415.6	615.9	1255.1	2184.0	2897.0	4149.1	4446.5	3637.6
67.5°	315.4	318.4	353.8	394.6	567.9	1172.4	2127.0	2879.0	4163.5	4442.9	3614.8
70°	229.1	233.9	253.1	265.1	343.6	773.6	1697.7	2596.0	3953.6	4182.7	3286.8
72.5°	122.9	133.1	184.1	182.9	213.5	471.9	1154.4	1926.7	3249.6	3404.9	2522.8
75°	95.9	97.1	109.7	135.5	137.9	262.7	555.3	1119.6	2055.7	2067.1	1400.8
77.5°	70.2	73.2	81.0	85.8	90.0	149.3	194.3	445.0	910.3	795.2	524.7
80°	47.4	49.2	53.4	63.6	73.8	84.6	63.0	118.7	214.1	166.1	78.6
82.5°	20.4	19.8	37.2	53.4	52.8	34.8	31.8	37.2	42.6	39.0	24.0
85°	1.2	1.8	19.2	25.8	22.2	15.0	19.8	15.6	16.2	15.6	12.0
87.5°	0.6	0.6	1.8	2.4	3.0	3.0	3.6	3.6	4.8	5.4	4.8
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.8	1.8	1.8	1.8	1.8	0.6	0.6	0.0	0.0	0.0	0.0
5°	1.8	1.8	1.8	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.8	1.8	1.8	1.8	1.8	0.6	0.0	6.6	18.0	19.2	18.6
10°	1.8	1.8	1.8	1.8	1.2	15.6	21.6	20.4	19.8	19.2	19.2
12.5°	109.1	92.3	16.8	3.6	15.6	19.8	17.4	17.4	16.8	16.8	16.8
15°	238.7	200.3	94.1	31.8	24.6	16.8	15.6	15.6	25.8	28.2	27.6
17.5°	250.1	202.1	92.3	43.2	35.4	21.6	21.6	27.6	27.0	25.8	25.8
20°	475.5	311.8	106.7	42.6	32.4	34.2	25.8	24.0	22.8	21.6	21.6
22.5°	508.5	366.4	114.5	54.0	34.8	34.2	26.4	22.2	28.2	27.6	27.6
25°	656.6	442.6	103.7	50.4	45.0	31.2	28.2	24.6	24.0	22.8	22.8
27.5°	813.8	523.5	114.5	52.2	40.8	30.6	26.4	21.6	22.8	25.2	25.2
30°	892.3	524.1	90.6	53.4	39.0	31.2	23.4	24.0	22.8	22.2	21.6
32.5°	1197.5	672.8	87.0	51.0	36.6	27.0	24.0	21.0	19.2	21.0	21.0
35°	1251.5	649.4	75.6	51.6	33.0	24.6	20.4	19.2	19.2	18.6	18.6
37.5°	1310.9	624.3	66.6	45.6	31.8	22.2	17.4	17.4	16.8	18.0	18.0
40°	1376.2	597.9	59.4	39.6	27.0	18.6	15.6	15.0	15.6	15.6	15.0
42.5°	1452.4	572.1	53.4	34.8	22.8	15.6	12.6	12.6	12.6	12.0	12.0
45°	1534.0	551.7	49.2	30.0	19.2	13.2	10.2	9.6	9.0	9.0	9.0
47.5°	1630.5	543.3	45.6	25.2	16.2	10.2	7.8	7.2	6.6	6.0	6.0
50°	1711.5	539.7	40.2	21.0	13.8	8.4	5.4	4.8	4.2	3.6	3.6
52.5°	1782.8	524.1	34.8	16.8	10.8	6.0	3.6	2.4	1.8	1.8	1.8
55°	1853.6	509.7	30.0	14.4	7.8	3.6	1.8	0.6	0.6	1.2	1.2
57.5°	1941.1	493.5	25.8	12.0	6.0	2.4	1.2	0.0	0.6	0.6	1.2
60°	2078.5	476.7	22.8	10.2	4.2	1.8	0.6	0.0	0.0	0.6	0.6
62.5°	2201.4	447.4	19.8	9.0	3.6	1.8	0.6	0.0	0.0	0.0	0.6
65°	2254.8	386.8	17.4	7.8	3.6	1.8	0.6	0.0	0.0	0.0	0.0
67°	2165.4	313.0	15.6	7.2	3.0	1.2	0.6	0.0	0.0	0.0	0.0
67.5°	2123.4	292.0	15.6	6.6	3.0	1.2	0.6	0.6	0.0	0.0	0.0
70°	1802.6	193.7	13.8	6.0	3.0	1.2	1.2	0.6	0.0	0.0	0.0
72.5°	1383.4	112.7	12.0	5.4	3.0	1.2	1.2	0.6	0.6	0.0	0.0
75°	773.6	57.0	9.6	5.4	3.0	1.8	1.8	1.2	1.2	1.2	0.0
77.5°	247.7	31.2	7.2	4.8	3.0	1.8	1.8	1.2	1.8	1.8	0.6
80°	39.0	16.2	5.4	3.6	3.0	1.2	1.8	1.8	2.4	2.4	0.6
82.5°	14.4	9.0	4.2	3.6	3.0	1.2	1.8	1.8	2.4	3.0	0.0
85°	6.6	5.4	4.2	3.6	3.0	1.2	1.8	1.8	2.4	3.0	0.0
87.5°	3.0	4.2	3.6	3.6	3.0	1.2	1.8	1.8	2.4	2.4	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)