

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: P415890

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-730-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5228 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

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

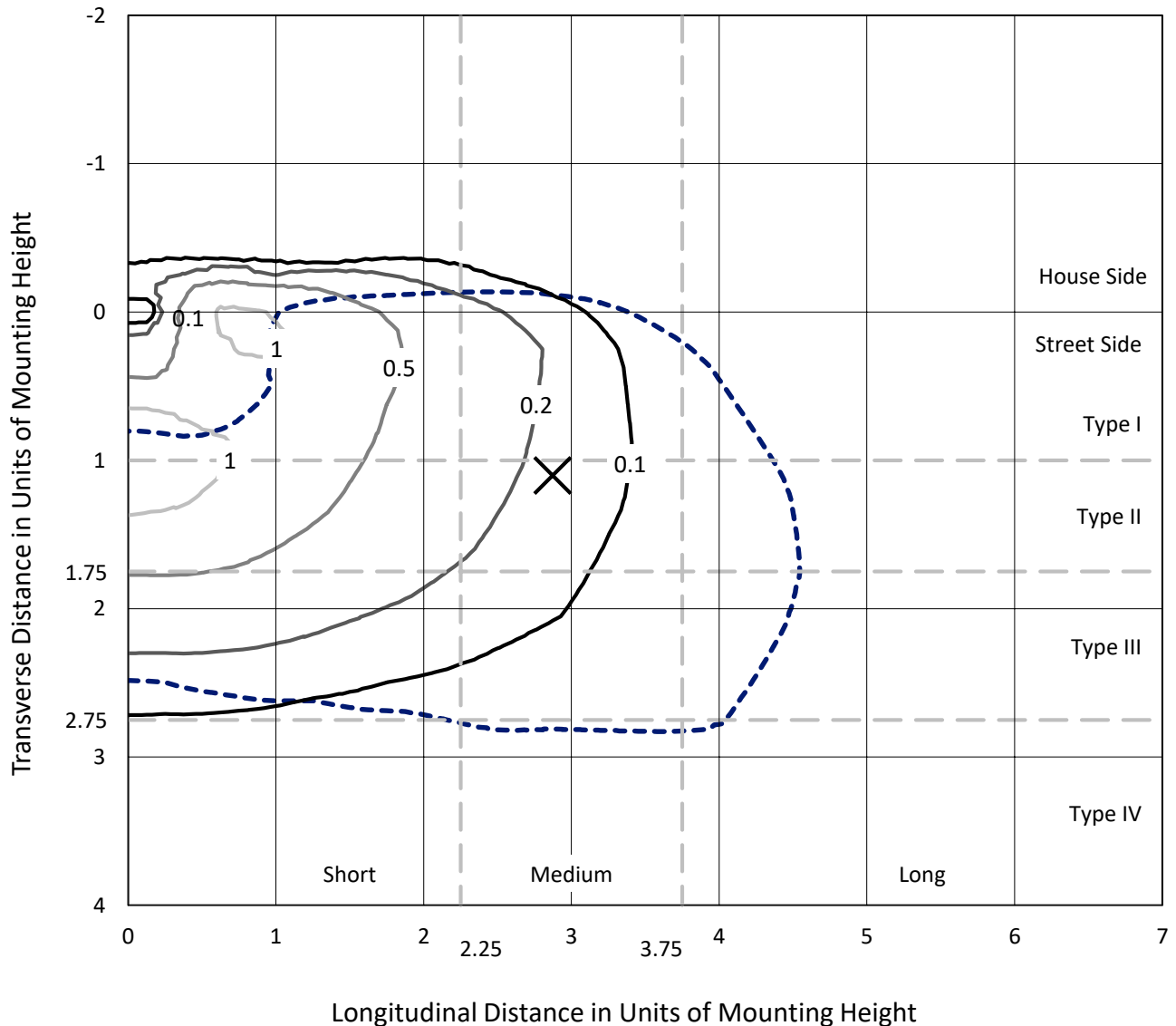


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

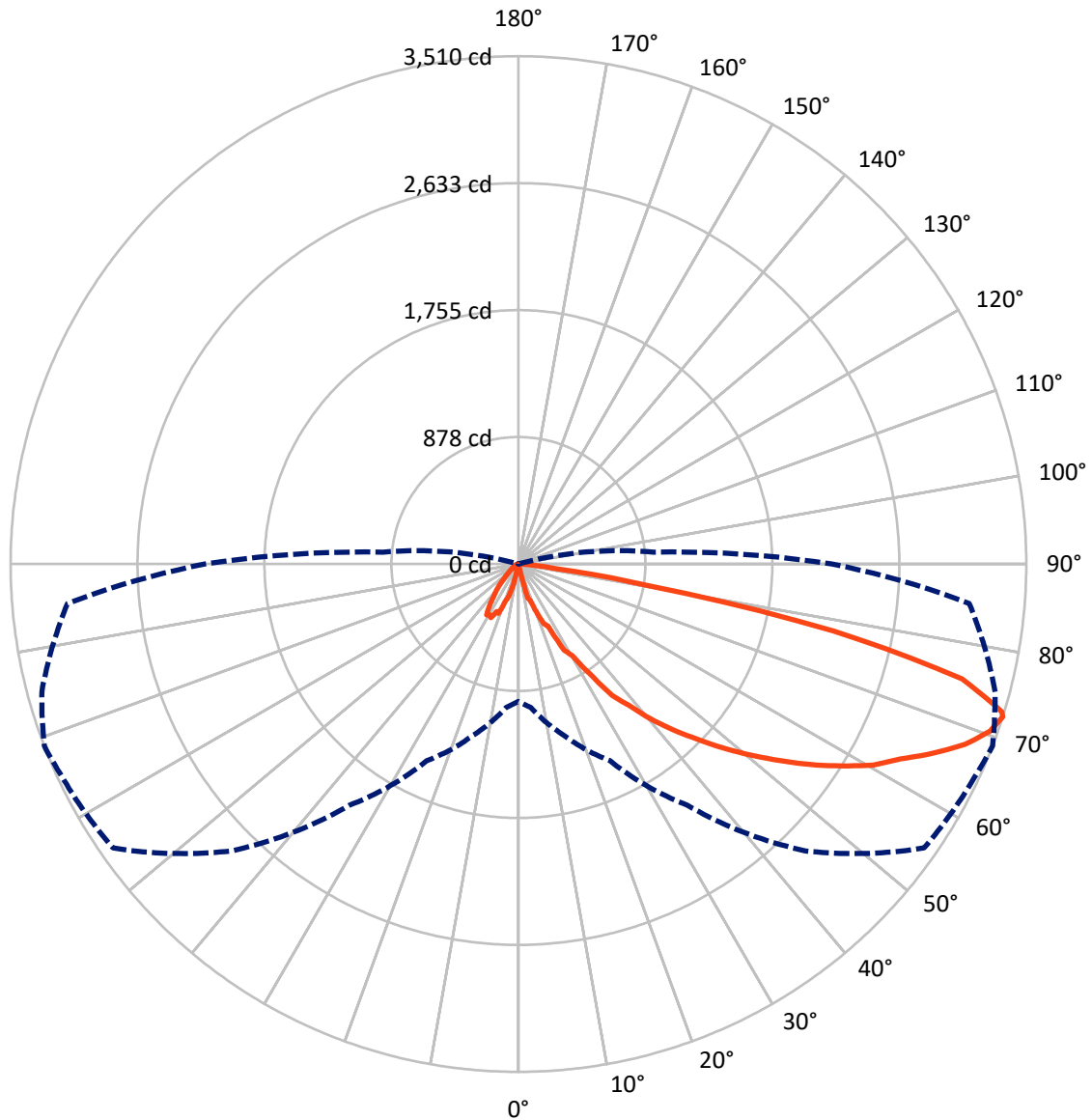


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical



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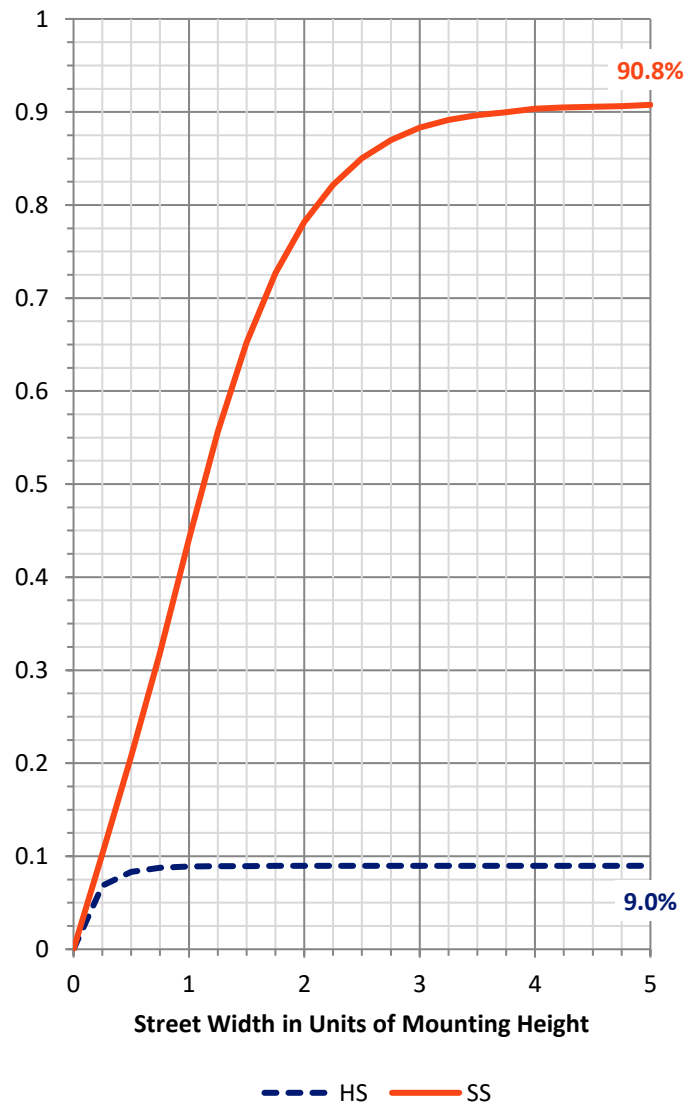
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	474.1	0.0	474.1
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	4753.9	0.0	4753.9
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	5228.0	0.0	5228.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	45.4	0.9
20°-30°	162.8	3.1
30°-40°	415.9	8.0
40°-50°	822.9	15.7
50°-60°	1296.8	24.8
60°-70°	1508.4	28.9
70°-80°	915.7	17.5
80°-90°	56.7	1.1
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°	5228.0	100.0
0°-180°	5228.0	100.0



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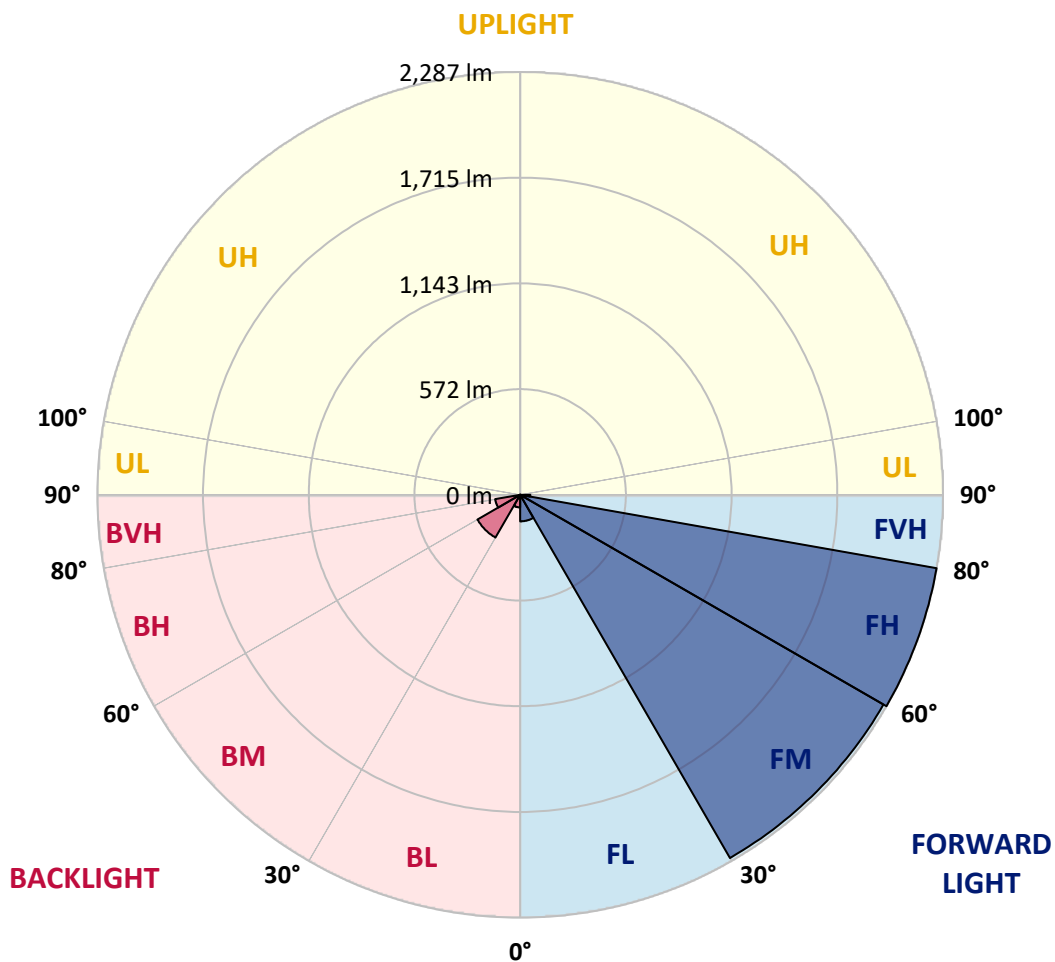
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.5	2.7			
FM	(30°-60°)	2268.8	43.4			
FH	(60°-80°)	2286.9	43.7			G2/5000
FVH	(80°-90°)	54.7	1.0			G1/100
BL	(0°-30°)	68.1	1.3	B0/110		
BM	(30°-60°)	266.9	5.1	B1/1000		
BH	(60°-80°)	137.2	2.6	B1/500		G1/500
BVH	(80°-90°)	2.0	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.7	0.7	0.7	0.7	1.5	1.5	2.2	2.2	2.2	2.2	2.2
5°	72.8	47.5	35.7	29.7	14.9	3.7	2.2	2.2	2.2	2.2	2.2
7.5°	112.2	112.2	112.9	113.7	115.9	97.3	20.8	2.2	2.2	2.2	2.2
10°	108.5	107.7	107.7	109.2	112.2	115.2	118.1	15.6	3.7	2.2	2.2
12.5°	211.7	209.5	194.6	136.0	111.4	112.9	118.9	90.6	25.3	14.9	85.4
15°	209.5	208.8	210.2	214.0	215.4	120.4	176.1	239.2	244.4	164.9	199.8
17.5°	228.8	222.1	211.7	213.2	219.9	258.5	248.9	259.3	264.5	185.0	216.2
20°	316.5	315.7	317.2	248.9	232.5	327.6	288.3	281.6	349.9	366.3	406.4
22.5°	323.2	321.7	323.9	331.3	372.2	342.5	417.5	427.2	447.2	494.8	464.3
25°	452.4	452.4	371.5	346.2	424.2	387.1	517.1	485.9	475.5	531.2	597.3
27.5°	546.0	540.1	520.8	483.6	441.3	547.5	550.5	664.2	673.8	741.4	754.1
30°	691.7	683.5	632.2	603.2	547.5	575.8	642.6	789.7	736.2	790.5	845.4
32.5°	1023.7	1011.9	947.2	760.0	690.2	624.1	770.4	847.7	900.4	1047.5	1107.7
35°	1326.1	1248.8	1160.4	1017.8	836.5	811.3	831.3	1051.2	1113.6	1159.0	1219.9
37.5°	1630.7	1632.2	1543.8	1197.6	1057.2	936.8	1002.2	1174.6	1237.7	1304.6	1359.5
40°	1875.1	1838.0	1719.9	1465.8	1247.4	1127.0	1135.2	1294.9	1407.1	1491.0	1502.2
42.5°	2187.1	2171.5	1997.7	1710.9	1493.3	1375.9	1340.2	1419.0	1567.6	1623.3	1657.4
45°	2485.8	2462.8	2314.9	1990.3	1756.3	1624.8	1575.7	1576.5	1722.8	1782.3	1831.3
47.5°	2709.4	2672.3	2592.8	2247.3	2086.9	1896.7	1794.9	1756.3	1898.9	1976.2	2003.6
50°	2943.4	2882.5	2819.4	2537.8	2372.1	2207.2	2012.6	1969.5	2072.7	2158.9	2181.2
52.5°	3100.2	3011.8	2968.0	2745.1	2627.7	2522.9	2230.2	2181.9	2255.5	2357.3	2339.4
55°	3020.7	2993.2	3040.8	2924.1	2810.5	2694.6	2467.2	2427.9	2447.2	2532.6	2490.3
57.5°	2855.0	2863.2	3003.6	3025.9	2974.6	2865.4	2679.7	2673.0	2633.6	2703.5	2648.5
60°	2681.9	2712.4	2907.8	3019.2	3056.4	3020.0	2904.1	2855.0	2820.1	2869.1	2826.1
62.5°	2450.1	2456.1	2718.3	2959.8	3025.2	3140.3	3060.8	3037.0	2965.0	3037.8	3020.0
65°	2158.9	2166.3	2413.0	2755.5	2931.6	3163.3	3183.4	3208.7	3152.9	3173.0	3229.5
67.5°	1833.5	1847.6	2063.1	2393.7	2730.2	3118.0	3285.2	3333.5	3329.0	3323.1	3378.8
70°	1484.3	1494.0	1669.3	1959.1	2404.8	2993.2	3379.5	3441.2	3458.3	3416.7	3377.3
72°	949.4	996.3	1228.0	1501.4	2035.6	2803.8	3421.9	3480.6	3510.3	3410.7	3128.4
72.5°	745.9	783.0	1134.4	1375.9	1909.3	2759.9	3413.7	3467.2	3494.7	3378.0	3022.9
75°	160.5	164.9	355.1	668.6	1204.3	2114.3	3130.7	3137.3	3167.1	2943.4	2069.8
77.5°	69.1	69.8	98.8	220.6	432.4	1080.9	2167.1	2228.8	2226.5	1904.8	1000.7
80°	48.3	49.8	58.7	101.0	205.8	312.8	1058.7	1065.3	916.8	681.3	249.6
82.5°	25.3	26.7	41.6	60.2	139.7	114.4	342.5	345.5	254.8	160.5	57.9
85°	4.5	6.7	20.1	36.4	54.2	46.1	75.0	94.4	81.7	63.9	24.5
87.5°	0.7	0.7	5.2	5.2	7.4	4.5	7.4	8.2	8.9	13.4	6.7
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	68.3	92.1	98.1	104.8
10°	2.2	3.0	2.2	2.2	1.5	93.6	115.2	116.6	118.1	118.1	117.4
12.5°	94.4	96.6	34.2	6.7	86.9	118.9	112.9	103.3	94.4	91.4	90.6
15°	202.1	202.8	183.5	158.2	168.6	112.2	88.4	100.3	101.8	98.1	98.1
17.5°	217.7	217.7	208.0	254.1	213.2	112.2	92.9	76.5	65.4	62.4	61.7
20°	430.9	377.4	305.3	257.8	173.8	125.6	65.4	55.7	54.2	54.2	56.5
22.5°	465.1	458.4	397.5	347.7	149.3	88.4	63.9	63.9	75.8	74.3	73.5
25°	607.0	598.0	450.2	302.4	149.3	75.8	81.0	71.3	69.8	68.3	66.9
27.5°	767.4	748.9	633.0	273.4	105.5	79.5	77.3	67.6	80.2	80.2	79.5
30°	873.7	803.8	637.4	245.2	89.2	84.7	72.8	78.7	71.3	66.9	66.9
32.5°	1132.2	1100.3	779.3	173.1	84.7	76.5	76.5	67.6	60.2	62.4	61.7
35°	1213.9	1172.3	693.9	130.0	78.0	70.6	63.9	59.4	51.3	46.1	45.3
37.5°	1315.0	1260.7	582.4	100.3	76.5	62.4	52.7	45.3	39.4	39.4	38.6
40°	1439.0	1356.6	476.2	85.4	67.6	53.5	40.9	34.9	31.2	29.0	28.2
42.5°	1575.0	1447.2	366.3	77.3	58.7	43.8	30.5	25.3	23.0	22.3	22.3
45°	1718.4	1531.2	263.0	70.6	51.3	34.2	22.3	17.8	17.1	17.1	17.1
47.5°	1864.7	1592.1	179.0	63.9	43.1	25.3	16.3	13.4	13.4	12.6	12.6
50°	2008.1	1633.7	123.3	57.2	34.9	17.8	11.9	11.1	11.1	10.4	10.4
52.5°	2112.1	1624.0	92.1	49.8	27.5	13.4	9.7	8.9	8.9	8.9	8.9
55°	2213.2	1602.5	75.8	42.3	20.8	9.7	7.4	6.7	6.7	6.7	6.7
57.5°	2317.2	1573.5	65.4	34.2	14.9	7.4	5.2	5.2	5.2	5.2	5.2
60°	2403.3	1517.0	56.5	27.5	10.4	5.2	4.5	3.7	3.7	3.7	3.7
62.5°	2499.2	1459.8	48.3	20.8	7.4	3.7	3.0	2.2	2.2	1.5	2.2
65°	2567.5	1390.0	39.4	14.9	5.2	3.0	2.2	1.5	0.7	0.0	0.7
67.5°	2566.0	1297.1	28.2	9.7	3.7	2.2	1.5	0.7	0.0	0.0	0.0
70°	2453.9	1164.2	19.3	6.7	3.0	1.5	1.5	0.7	0.0	0.0	0.0
72°	2165.6	939.0	14.9	5.9	3.0	1.5	1.5	0.7	0.0	0.0	0.0
72.5°	2064.6	861.8	13.4	5.2	3.0	1.5	1.5	0.7	0.0	0.0	0.0
75°	1311.2	358.8	10.4	4.5	3.0	1.5	1.5	0.7	0.7	0.7	0.0
77.5°	609.2	131.5	7.4	3.7	2.2	1.5	1.5	0.7	0.7	1.5	0.0
80°	133.0	38.6	5.2	3.7	2.2	1.5	1.5	1.5	1.5	2.2	0.0
82.5°	30.5	12.6	4.5	3.0	2.2	1.5	1.5	1.5	1.5	2.2	0.0
85°	11.1	7.4	4.5	3.7	3.0	1.5	1.5	2.2	2.2	3.0	0.0
87.5°	4.5	4.5	3.7	3.7	3.0	1.5	2.2	2.2	3.0	3.0	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)