

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: P415413

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3992 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

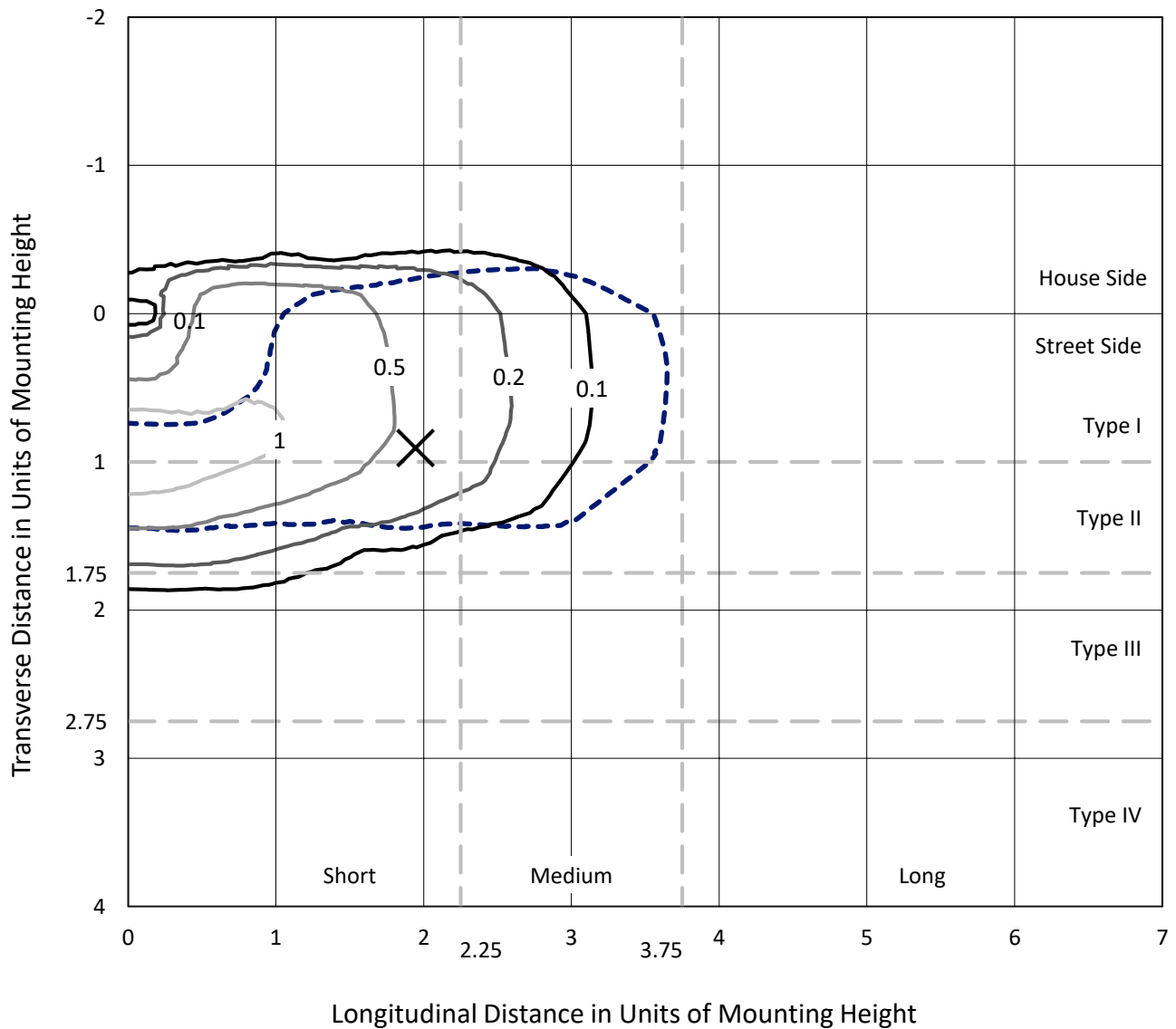
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

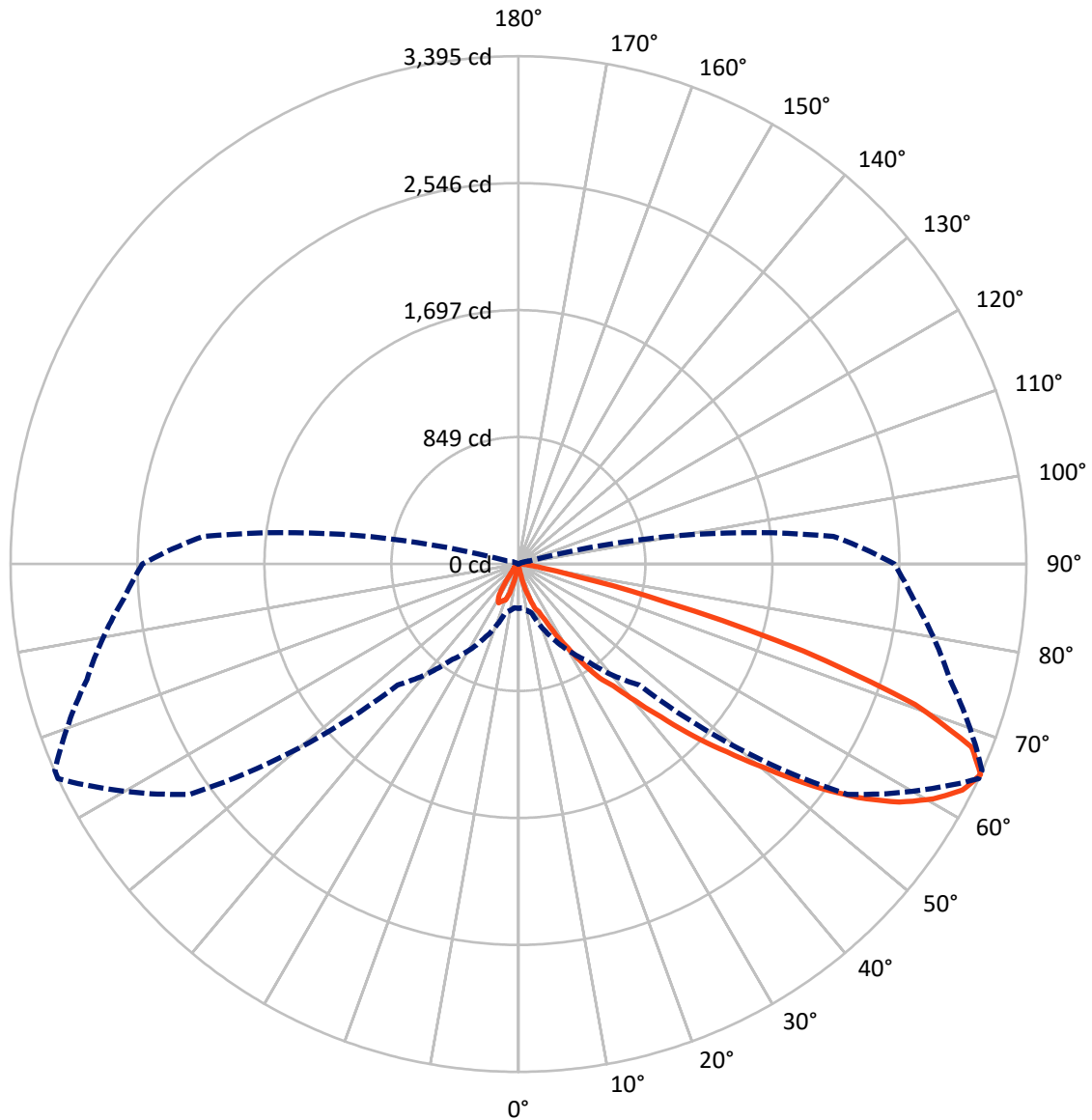
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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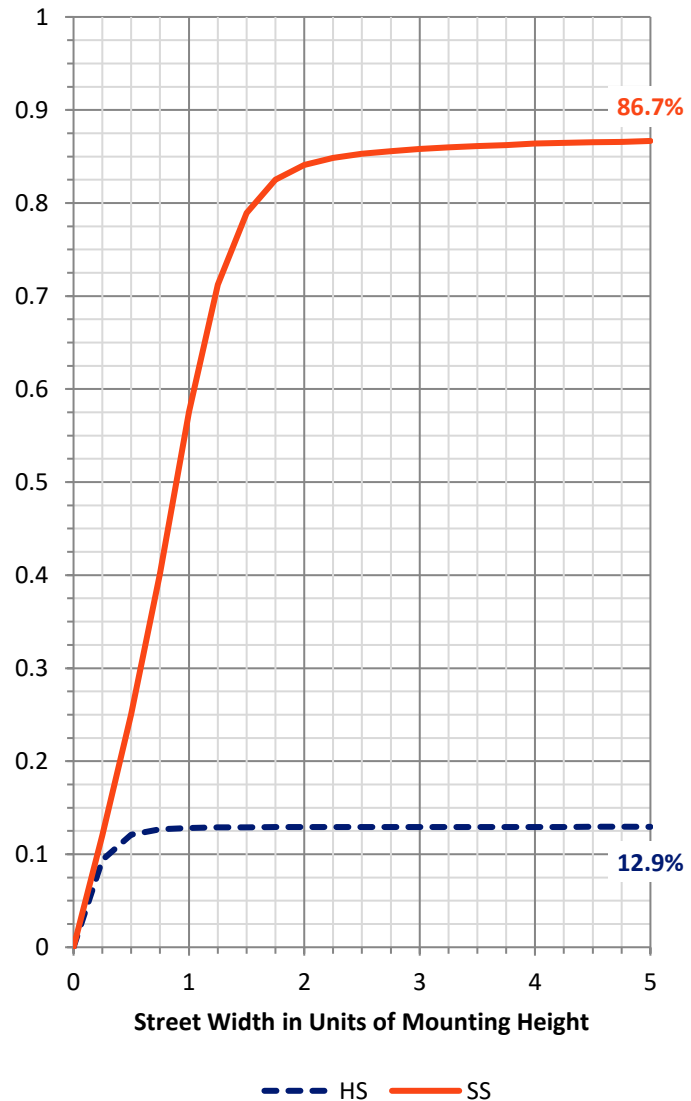
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.8	0.0	523.8
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3468.2	0.0	3468.2
	% Fixture	86.9	0.0	86.9
Total	Lumens	3992.0	0.0	3992.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	41.5	1.0
20°-30°	140.8	3.5
30°-40°	396.1	9.9
40°-50°	878.8	22.0
50°-60°	1178.4	29.5
60°-70°	938.8	23.5
70°-80°	386.8	9.7
80°-90°	27.7	0.7
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°	3992.0	100.0
0°-180°	3992.0	100.0



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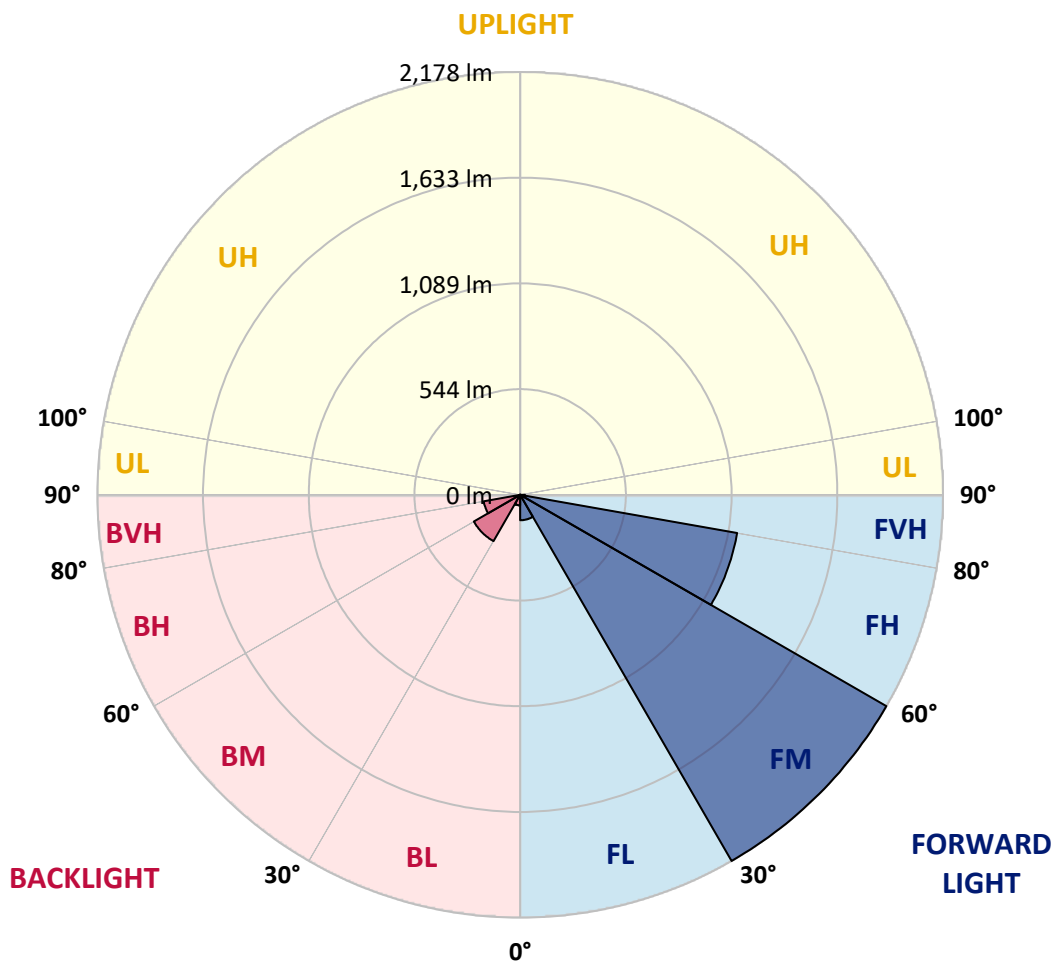
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.9	3.3			
FM (30°-60°)	2177.9	54.6			
FH (60°-80°)	1134.8	28.4			G1/1800
FVH (80°-90°)	24.6	0.6			G1/100
BL (0°-30°)	54.5	1.4	B0/110		
BM (30°-60°)	275.4	6.9	B1/1000		
BH (60°-80°)	190.8	4.8	B1/500		G1/500
BVH (80°-90°)	3.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	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	0.6	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2
5°	17.1	15.9	11.8	6.5	3.5	2.4	1.8	1.2	1.2	1.2	1.2
7.5°	119.3	118.7	118.7	119.9	120.5	43.1	4.1	1.8	1.8	1.2	1.2
10°	114.6	114.0	114.0	115.7	117.5	118.1	113.4	3.0	2.4	1.2	1.2
12.5°	213.8	210.2	134.0	117.5	114.6	115.7	116.3	100.4	46.6	72.0	89.2
15°	214.4	212.6	214.4	217.3	173.6	121.1	176.6	172.4	172.4	127.0	174.2
17.5°	216.7	214.4	215.5	219.7	213.2	250.4	236.2	244.5	244.5	180.7	192.5
20°	320.1	319.5	324.2	237.4	265.1	310.6	257.5	315.9	321.8	268.7	278.1
22.5°	326.5	326.0	333.6	332.5	325.4	333.6	376.7	346.0	347.8	406.3	367.3
25°	454.7	444.1	360.2	353.7	427.5	396.2	451.7	416.9	413.3	491.3	465.9
27.5°	520.2	515.5	520.8	504.9	452.9	486.0	488.9	536.8	512.6	562.7	574.0
30°	632.4	635.4	608.8	582.2	593.5	563.9	588.1	652.5	649.5	637.7	724.0
32.5°	1009.8	979.0	927.1	721.6	676.1	654.9	722.2	794.8	765.3	809.0	895.2
35°	1336.3	1267.8	1181.6	1035.1	839.7	783.0	865.1	936.5	918.2	1006.2	1000.9
37.5°	1880.7	1848.9	1699.5	1325.7	1130.8	976.7	1016.3	1033.4	1054.6	1155.0	1152.7
40°	2202.6	2166.0	2060.3	1764.4	1427.2	1211.7	1194.6	1203.4	1210.5	1311.5	1318.6
42.5°	2473.0	2456.5	2353.7	2070.3	1794.5	1592.6	1432.6	1397.7	1410.7	1512.9	1499.3
45°	2656.7	2637.2	2544.5	2346.6	2118.1	2014.2	1708.9	1641.0	1644.5	1701.2	1690.6
47.5°	2696.8	2673.8	2632.4	2522.6	2445.3	2360.8	2054.9	1876.0	1916.2	1919.1	1883.1
50°	2553.9	2525.6	2560.4	2534.4	2652.5	2695.0	2405.1	2150.0	2219.1	2155.9	2056.1
52.5°	2200.2	2209.1	2316.5	2395.1	2660.2	2928.9	2781.3	2464.2	2510.8	2351.4	2219.7
55°	1747.3	1769.1	1946.9	2091.0	2479.5	2994.4	3053.5	2755.3	2773.6	2559.2	2352.0
57.5°	1286.7	1316.2	1534.7	1695.3	2129.3	2853.3	3186.9	3002.7	3038.7	2709.2	2444.1
60°	791.9	819.0	1066.4	1310.9	1634.5	2447.6	3204.6	3188.1	3229.4	2814.9	2536.8
62.5°	482.4	505.5	613.5	910.6	1174.5	1850.0	3057.0	3330.4	3351.1	2921.8	2603.5
65°	297.0	292.9	336.6	553.3	783.6	1143.8	2683.8	3394.8	3392.4	2986.2	2648.4
67.5°	196.6	200.2	216.7	304.1	533.8	618.3	1924.4	3268.4	3256.6	3017.5	2630.7
70°	174.2	175.4	191.9	215.5	384.4	360.2	971.4	2813.7	2797.2	2933.0	2520.3
72.5°	136.4	140.5	167.7	195.5	277.5	264.0	366.1	1992.9	2014.2	2493.1	2217.9
75°	96.8	99.8	127.0	170.7	207.3	202.0	206.7	1027.5	1090.1	1655.2	1625.1
77.5°	60.8	63.2	82.1	126.4	176.0	148.8	144.7	403.3	451.7	809.6	813.1
80°	41.9	42.5	50.8	85.0	126.4	122.2	98.0	161.2	163.0	293.5	281.7
82.5°	24.8	24.8	33.7	52.6	77.4	99.8	63.2	80.9	83.9	108.7	62.0
85°	8.9	9.4	18.3	30.1	43.1	52.6	37.8	44.3	46.1	56.1	29.5
87.5°	0.6	1.2	5.9	9.4	11.8	10.6	12.4	13.6	15.4	18.3	10.6
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6
5°	1.2	1.2	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6
7.5°	1.2	1.2	1.8	1.8	1.8	1.2	16.5	92.1	96.3	99.2	99.8
10°	3.5	2.4	1.8	1.8	1.8	95.7	99.2	96.8	95.1	93.3	93.9
12.5°	90.3	90.3	82.1	53.1	89.2	98.0	92.7	86.8	82.1	76.8	77.4
15°	173.6	172.4	152.3	131.1	150.0	96.3	79.7	105.7	90.3	79.7	77.9
17.5°	193.1	187.2	163.6	209.0	186.0	109.8	92.1	62.6	44.9	40.7	40.2
20°	278.1	270.4	238.6	253.3	170.1	127.0	55.5	35.4	31.9	38.4	39.6
22.5°	357.8	347.2	298.2	262.2	191.3	77.9	39.0	39.0	38.4	37.2	36.6
25°	460.0	441.1	399.8	274.6	151.8	51.4	42.5	34.8	31.3	28.9	28.9
27.5°	565.1	539.7	458.2	292.3	99.8	47.8	37.8	29.5	31.3	30.1	30.1
30°	718.6	683.8	533.8	273.4	65.0	44.3	31.9	28.9	25.4	24.2	23.6
32.5°	877.5	813.7	608.2	238.0	51.4	37.8	29.5	23.6	23.0	23.6	23.6
35°	979.0	919.4	688.5	173.0	44.9	33.1	24.2	21.8	20.1	19.5	19.5
37.5°	1100.7	1026.9	695.6	112.2	39.0	27.2	20.7	18.3	18.3	18.9	18.9
40°	1246.5	1165.6	667.3	69.1	33.7	22.4	17.7	16.5	15.9	15.9	15.9
42.5°	1410.1	1308.0	627.7	52.0	28.3	18.9	14.8	14.2	13.6	13.6	13.6
45°	1584.9	1451.4	573.4	43.1	23.6	15.9	12.4	11.8	11.8	11.2	11.2
47.5°	1766.2	1605.0	491.3	37.8	19.5	13.0	10.6	10.0	9.4	9.4	9.4
50°	1921.5	1745.5	390.9	32.5	16.5	11.2	8.3	7.7	7.7	7.1	7.1
52.5°	2062.6	1864.8	310.0	27.8	13.6	8.9	6.5	5.9	5.9	5.3	5.3
55°	2171.3	1953.4	231.5	23.0	11.2	7.1	4.7	4.1	4.1	3.5	4.1
57.5°	2262.8	2007.7	175.4	18.9	9.4	5.3	3.5	3.0	2.4	2.4	2.4
60°	2349.6	2051.4	129.3	14.8	7.7	4.1	2.4	1.8	1.2	1.2	1.2
62.5°	2442.9	2090.4	102.2	11.8	6.5	3.0	1.2	1.2	0.0	0.0	0.0
65°	2513.2	2114.6	79.1	9.4	5.3	1.8	1.2	0.6	0.0	0.0	0.0
67.5°	2515.5	2083.9	62.0	7.7	4.7	1.8	0.6	0.0	0.0	0.0	0.0
70°	2425.2	1953.4	46.1	7.1	4.1	1.8	1.2	0.6	0.0	0.0	0.0
72.5°	2101.6	1533.5	33.1	5.9	3.5	1.8	1.2	0.6	0.6	0.0	0.0
75°	1519.9	906.4	23.0	5.3	3.5	1.8	1.8	1.2	1.2	1.2	0.0
77.5°	779.5	376.7	15.4	4.7	3.0	1.2	2.4	1.8	1.8	1.8	0.6
80°	228.5	129.9	9.4	4.1	3.0	1.2	2.4	2.4	2.4	2.4	0.6
82.5°	43.7	25.4	5.9	4.1	3.0	1.2	2.4	2.4	2.4	3.0	0.0
85°	17.1	10.0	4.1	3.5	3.0	1.2	2.4	2.4	3.0	3.0	0.0
87.5°	5.9	4.7	3.5	3.0	3.0	1.2	2.4	2.4	2.4	3.0	0.6
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)