

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: P417401

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7958 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 94
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

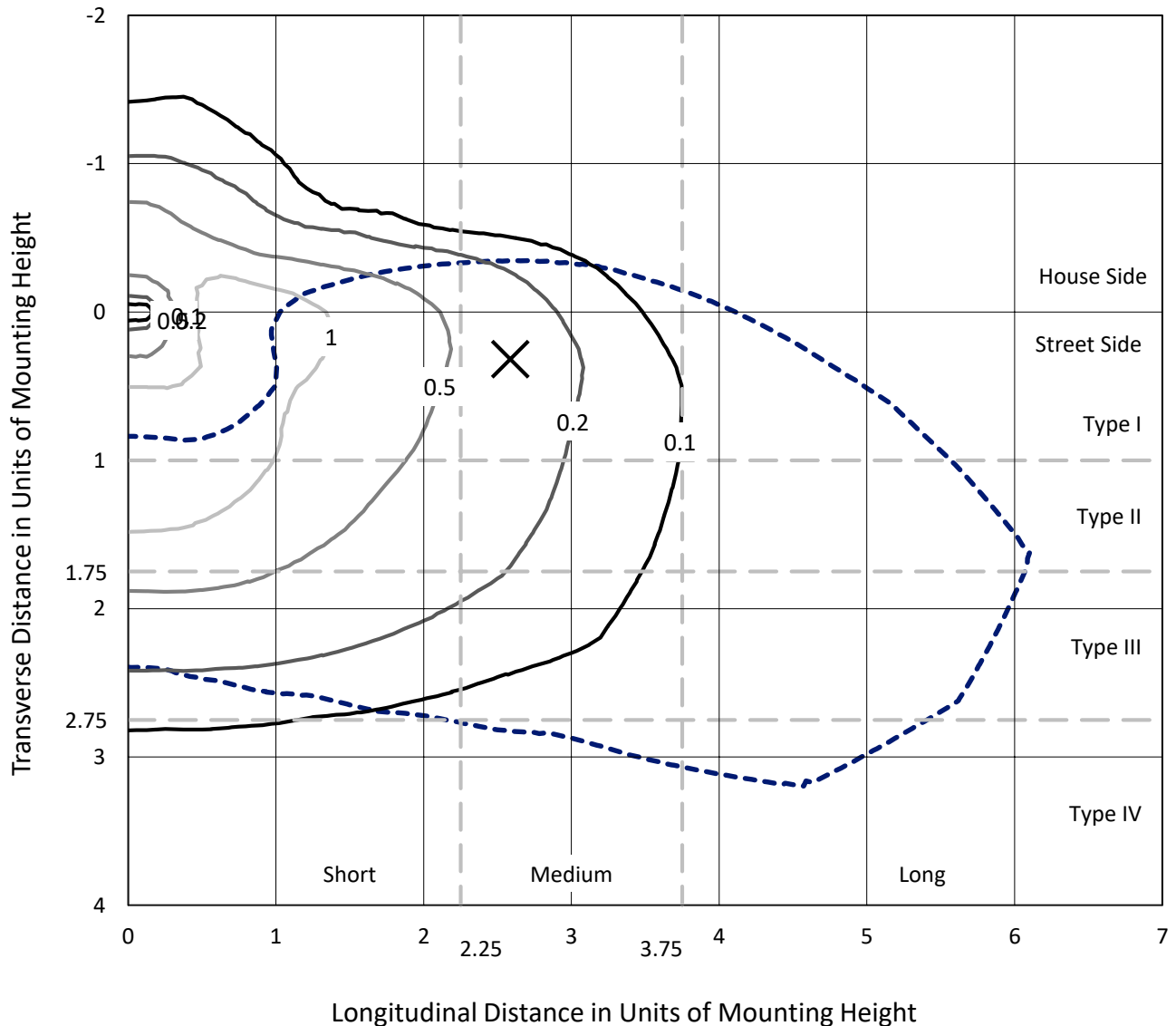


REPORT NUMBER: P417401

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

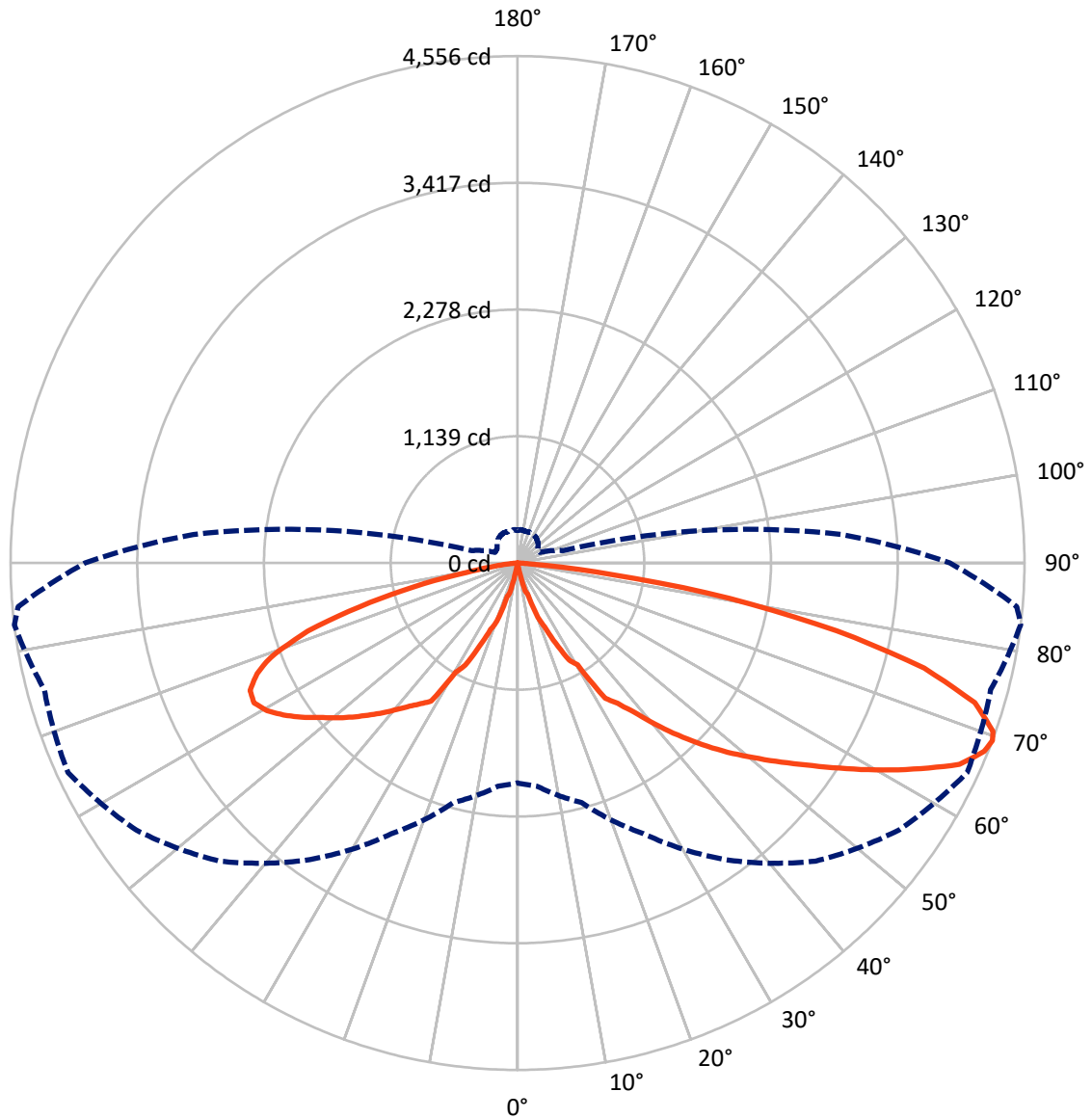


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417401

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P417401

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1687.9	0.0	1687.9
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	6270.1	0.0	6270.1
	% Fixture	78.8	0.0	78.8
Total	Lumens	7958.0	0.0	7958.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	80.9	1.0
20°-30°	319.1	4.0
30°-40°	710.2	8.9
40°-50°	1205.9	15.2
50°-60°	1797.1	22.6
60°-70°	2116.4	26.6
70°-80°	1481.4	18.6
80°-90°	241.8	3.0
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°	7958.0	100.0
0°-180°	7958.0	100.0



REPORT NUMBER: P417401

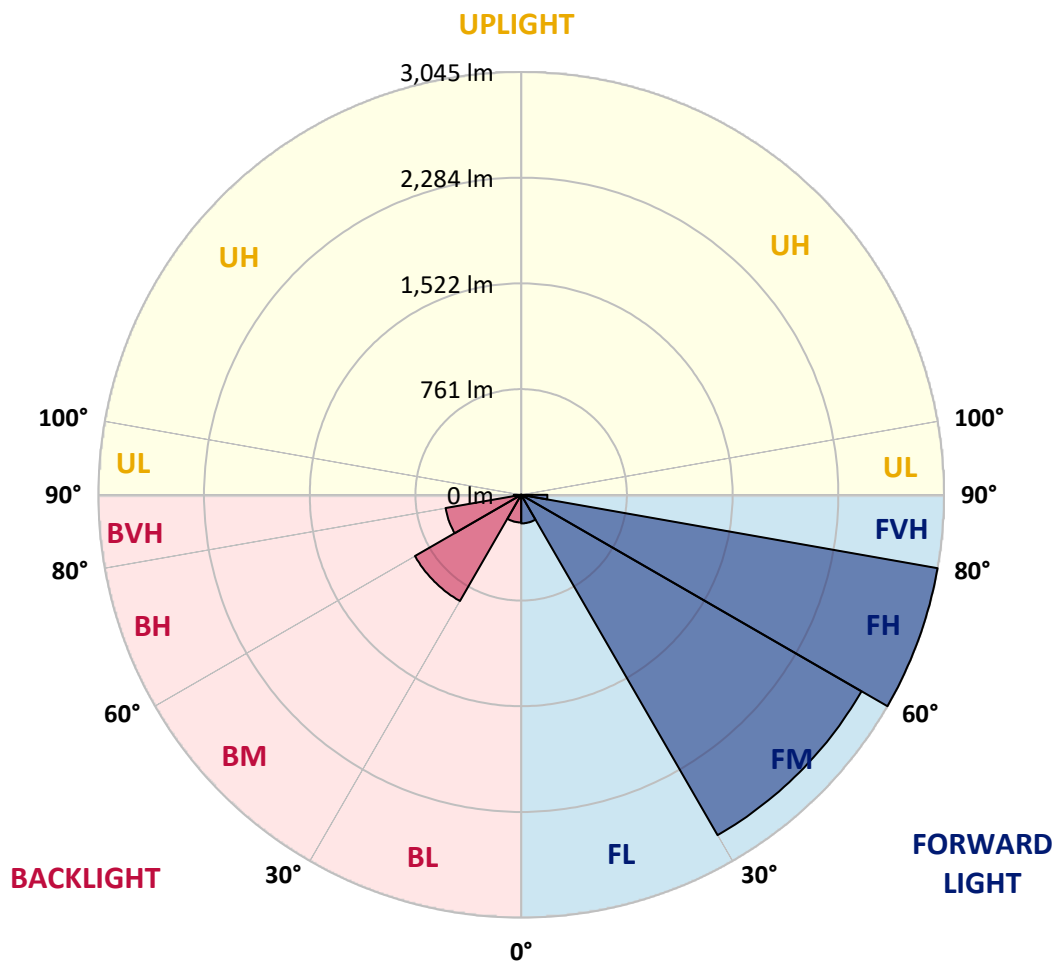
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.1	2.6			
FM	(30°-60°)	2830.0	35.6			
FH	(60°-80°)	3045.0	38.3			G2/5000
FVH	(80°-90°)	189.0	2.4			G2/225
BL	(0°-30°)	199.1	2.5	B1/500		
BM	(30°-60°)	883.2	11.1	B1/1000		
BH	(60°-80°)	552.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	52.8	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





REPORT NUMBER: P417401

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	4.3	3.4	4.3	5.1	5.1	4.3	3.4	3.4	3.4	3.4	2.6
5°	69.4	50.5	45.4	40.3	24.0	8.6	5.1	3.4	3.4	3.4	3.4
7.5°	146.5	146.5	146.5	147.4	146.5	108.8	25.7	6.0	3.4	3.4	3.4
10°	148.2	147.4	146.5	147.4	149.1	149.9	144.8	20.6	8.6	7.7	7.7
12.5°	268.2	266.4	257.0	179.9	152.5	153.4	156.8	113.1	41.1	108.8	126.8
15°	284.4	282.7	282.7	283.6	269.0	167.1	235.6	308.4	219.3	262.2	266.4
17.5°	318.7	309.3	301.6	296.4	298.1	332.4	334.1	341.0	255.3	293.9	299.0
20°	488.3	484.9	457.5	350.4	327.3	431.8	384.7	378.7	478.0	519.2	527.7
22.5°	557.7	554.3	534.6	515.7	538.0	470.3	547.4	564.6	647.7	622.8	630.5
25°	757.3	754.8	645.1	597.1	656.2	540.6	676.0	646.8	715.4	797.6	806.2
27.5°	927.0	921.0	898.7	805.3	732.5	810.5	747.9	864.4	971.5	985.2	1010.9
30°	1100.9	1061.5	992.9	996.4	902.1	893.6	891.0	1037.5	1040.9	1062.3	1106.0
32.5°	1385.3	1367.3	1309.9	1132.6	1112.0	992.9	1096.6	1106.0	1359.6	1448.7	1457.3
35°	1613.2	1536.1	1482.1	1381.9	1226.0	1264.5	1221.7	1391.3	1491.5	1549.0	1584.1
37.5°	1976.5	1986.7	1898.5	1533.5	1435.9	1391.3	1465.8	1557.5	1682.6	1696.3	1749.4
40°	2237.8	2230.9	2111.8	1842.8	1624.3	1578.9	1628.6	1718.6	1888.2	1905.3	1918.2
42.5°	2618.1	2584.7	2418.5	2116.1	1913.9	1818.0	1831.7	1869.4	2039.0	2115.2	2099.8
45°	2970.2	2948.0	2780.1	2407.4	2188.1	2075.8	2055.3	2021.9	2225.8	2327.7	2299.4
47.5°	3246.1	3206.7	3110.8	2731.2	2562.5	2371.4	2268.6	2207.8	2410.8	2541.0	2501.6
50°	3541.7	3481.7	3395.2	3052.5	2886.3	2715.8	2489.6	2413.4	2619.0	2748.4	2716.7
52.5°	3737.9	3644.5	3590.5	3338.6	3185.3	3036.2	2704.7	2653.3	2847.7	2972.0	2965.1
55°	3639.3	3635.9	3690.8	3531.4	3382.3	3224.7	2928.3	2925.7	3086.8	3214.4	3220.4
57.5°	3468.0	3486.0	3641.9	3665.9	3602.5	3417.5	3205.0	3230.7	3367.8	3486.0	3498.8
60°	3249.5	3299.2	3523.7	3650.5	3701.0	3609.4	3471.4	3510.8	3674.5	3776.4	3773.0
62.5°	2960.8	3001.1	3280.4	3567.4	3670.2	3756.7	3717.3	3844.1	3973.5	4069.4	4094.3
65°	2619.9	2636.1	2938.6	3325.8	3591.4	3832.1	3922.9	4153.4	4215.9	4363.3	4368.4
67.5°	2242.0	2247.2	2510.2	2972.0	3420.0	3826.1	4097.7	4382.1	4365.8	4522.6	4510.6
69°	1976.5	2013.3	2229.2	2684.1	3253.8	3789.3	4184.2	4457.5	4402.7	4556.0	4503.8
70°	1789.7	1787.1	2033.9	2439.9	3107.3	3742.2	4239.1	4477.2	4403.5	4532.9	4454.1
72.5°	1140.3	1157.4	1370.8	1731.4	2504.2	3469.7	4306.7	4425.0	4309.3	4296.5	4127.7
75°	503.8	457.5	591.1	916.7	1574.7	2698.7	4144.0	4189.4	4041.1	3776.4	3486.9
77.5°	176.5	183.3	222.7	372.7	758.2	1608.1	3434.6	3685.6	3569.1	2932.6	2609.6
80°	125.9	126.8	149.1	208.2	367.5	567.1	2186.3	2666.1	2746.6	1933.6	1662.0
82.5°	89.1	89.1	110.5	132.8	254.4	253.6	940.7	1466.7	1566.9	857.6	641.7
85°	74.5	76.2	84.8	77.1	149.1	129.4	232.2	452.3	371.0	104.5	91.7
87.5°	11.1	10.3	29.1	25.7	22.3	18.8	25.7	29.1	19.7	15.4	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P417401

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.4	3.4	3.4	3.4	2.6	1.7	1.7	1.7	2.6	2.6	2.6
5°	3.4	3.4	3.4	3.4	3.4	3.4	4.3	6.0	6.9	7.7	7.7
7.5°	3.4	3.4	3.4	4.3	5.1	7.7	42.0	145.6	159.3	166.2	170.5
10°	6.9	7.7	7.7	7.7	18.8	161.1	191.9	198.8	205.6	209.0	208.2
12.5°	132.8	137.1	34.3	24.8	149.9	201.3	207.3	214.2	221.0	226.2	225.3
15°	273.3	280.1	269.0	278.4	295.6	218.5	223.6	378.7	410.4	416.4	417.2
17.5°	305.0	310.1	315.3	410.4	420.6	323.8	387.2	415.5	418.9	420.6	421.5
20°	580.9	578.3	467.8	449.8	445.5	562.0	411.2	418.9	501.2	570.6	574.0
22.5°	640.8	648.5	617.7	660.5	585.1	568.9	518.3	555.2	586.0	585.1	582.6
25°	831.0	841.3	708.5	687.1	701.7	565.4	646.8	554.3	562.9	563.7	568.9
27.5°	1039.2	1041.8	983.5	773.6	690.5	699.9	609.1	590.3	659.7	664.0	664.0
30°	1131.7	1148.0	1039.2	896.1	715.4	661.4	590.3	643.4	612.6	617.7	617.7
32.5°	1503.5	1490.7	1357.0	887.6	741.1	608.3	616.8	596.3	660.5	677.7	679.4
35°	1601.2	1574.7	1364.8	992.1	691.4	621.1	563.7	605.7	605.7	604.8	600.6
37.5°	1722.0	1675.7	1348.5	918.4	695.7	567.1	544.0	544.9	594.6	605.7	598.0
40°	1865.1	1795.7	1345.9	857.6	630.5	537.2	499.5	524.3	523.5	508.9	500.3
42.5°	2020.1	1928.5	1339.9	785.6	566.3	503.8	471.2	463.5	467.8	441.2	438.6
45°	2201.8	2065.6	1322.8	722.2	514.9	467.8	430.9	418.9	420.6	400.1	394.9
47.5°	2394.5	2206.9	1318.5	672.5	472.1	431.8	401.8	386.4	392.4	369.2	364.1
50°	2609.6	2352.6	1303.9	626.3	424.9	398.4	376.1	358.1	359.0	341.0	336.7
52.5°	2843.5	2493.9	1287.7	562.9	382.1	370.1	357.3	343.5	359.0	335.0	329.8
55°	3083.3	2666.1	1266.2	489.2	343.5	348.7	335.8	346.1	368.4	330.7	323.8
57.5°	3349.8	2828.0	1226.0	408.7	312.7	324.7	333.3	347.0	365.0	329.8	317.0
60°	3602.5	2984.0	1130.0	345.3	286.1	305.0	328.1	341.8	340.1	323.8	315.3
62.5°	3859.5	3112.5	952.7	296.4	263.9	295.6	320.4	326.4	318.7	312.7	307.6
65°	4000.9	3144.2	738.5	263.9	245.9	282.7	311.0	316.1	305.0	305.0	300.7
67.5°	3977.8	3042.2	544.9	237.3	230.5	269.9	294.7	306.7	299.0	305.0	298.1
69°	3885.2	2925.7	428.4	223.6	222.7	259.6	285.3	299.0	293.0	301.6	293.0
70°	3776.4	2808.3	378.7	215.9	215.0	251.9	279.3	293.0	286.1	293.0	285.3
72.5°	3359.2	2410.0	271.6	194.5	197.0	236.5	264.7	275.0	269.0	270.7	260.4
75°	2685.8	1791.4	215.0	176.5	179.1	218.5	248.4	254.4	250.2	242.5	236.5
77.5°	1888.2	1154.9	176.5	160.2	161.1	197.0	231.3	230.5	223.6	215.9	208.2
80°	1029.8	543.2	149.9	140.5	143.1	175.6	206.5	203.9	195.3	187.6	178.2
82.5°	445.5	219.3	116.5	112.2	119.9	147.4	177.3	170.5	162.8	166.2	129.4
85°	79.7	75.4	67.7	72.0	81.4	104.5	125.1	119.1	114.8	97.7	90.0
87.5°	6.9	10.3	10.3	12.9	18.0	19.7	35.1	25.7	26.6	10.3	5.1
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)