

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: P694595

Luminaire Tested: **LXF.LXT-PA16-20-740-U-T2R**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694595  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-740-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2861.9 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

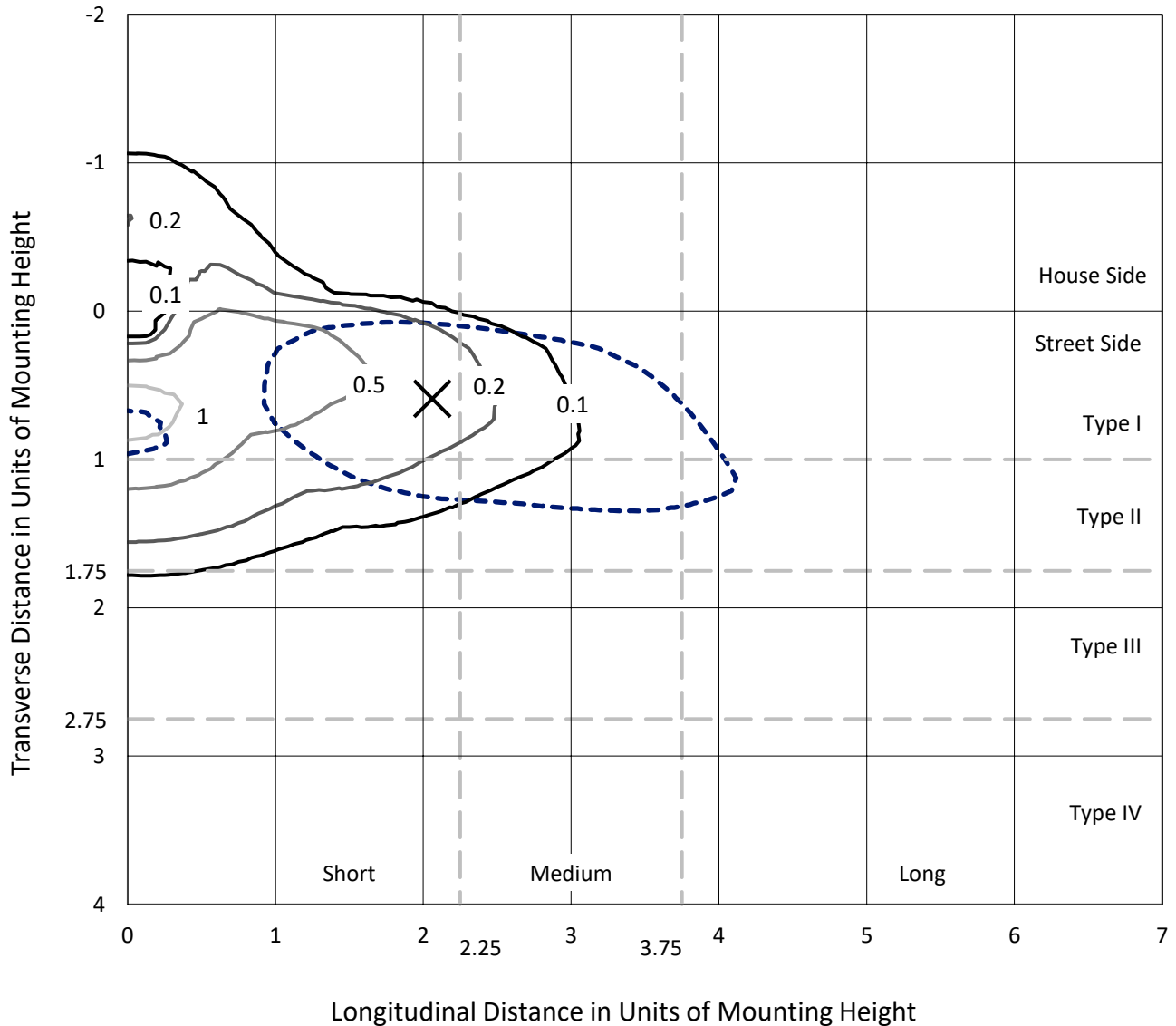
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694595  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

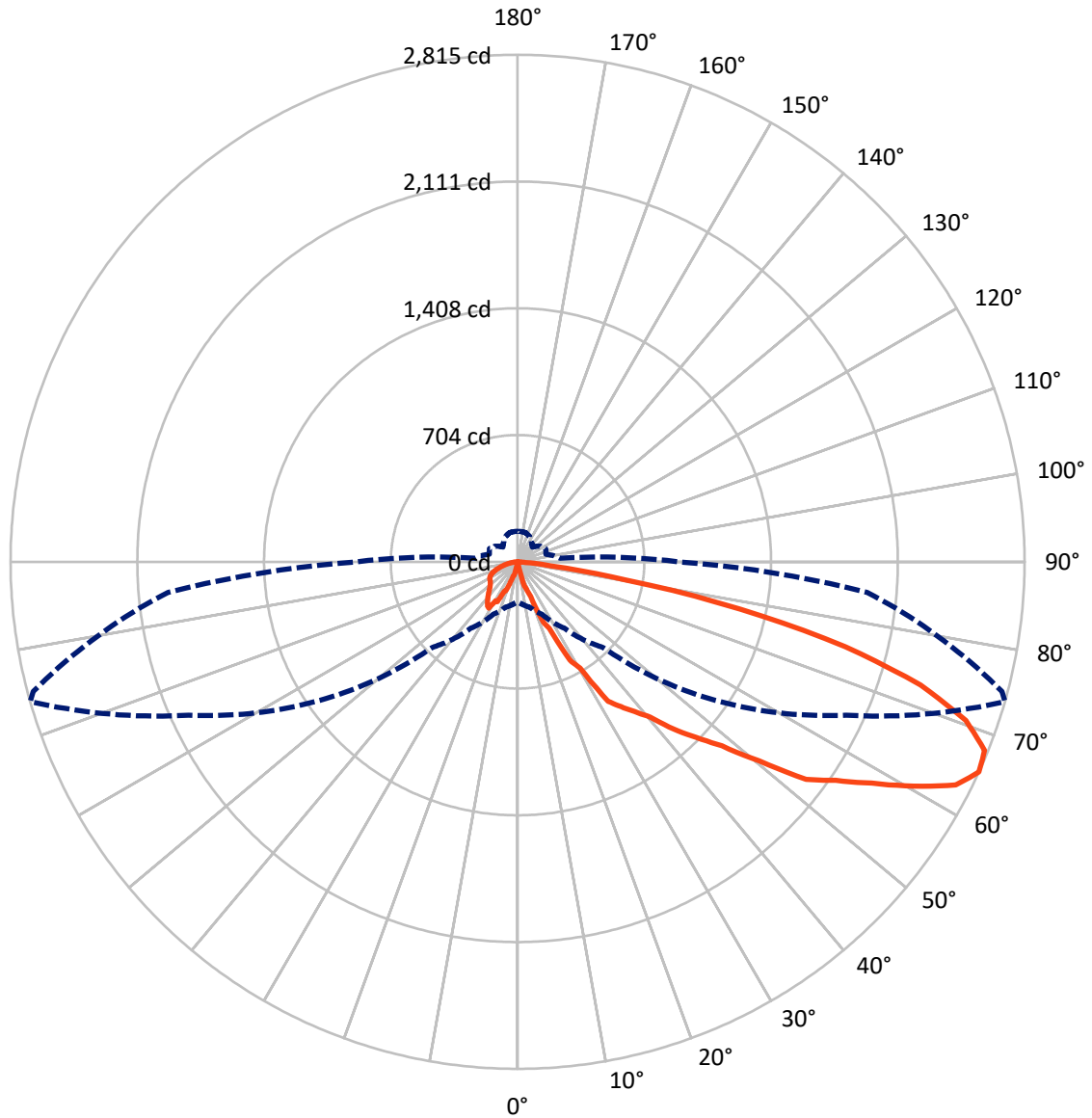
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P694595  
CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P694595  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R

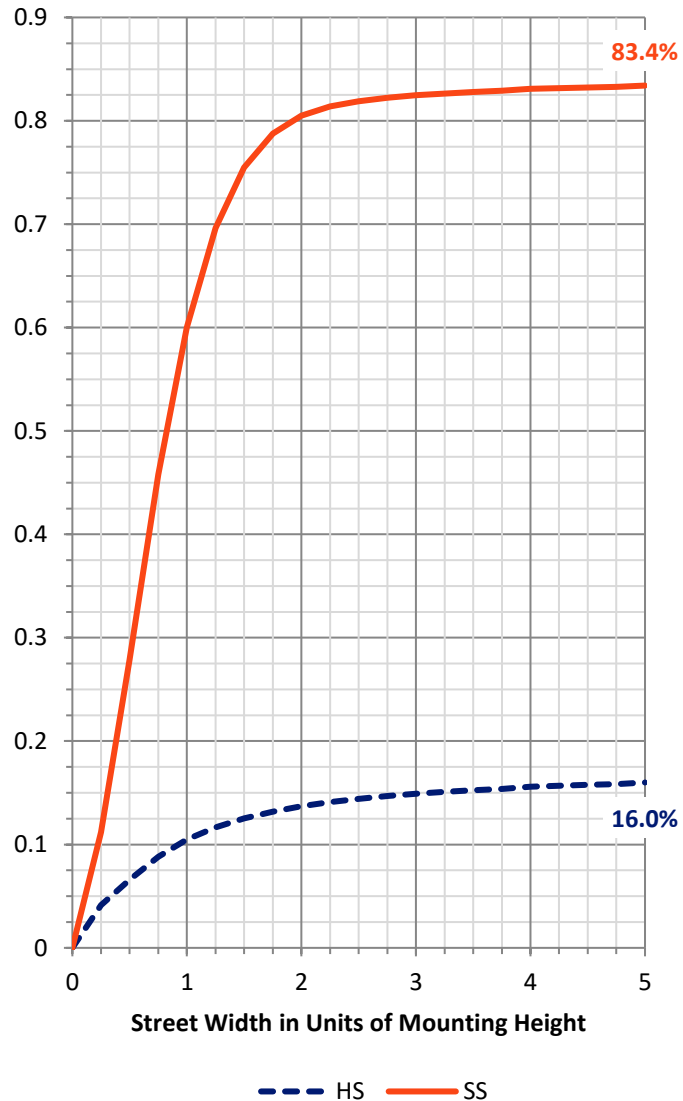
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	469.0	0.0	469.0
	% Fixture	16.4	0.0	16.4
<b>Street Side</b>	Lumens	2393.0	0.0	2393.0
	% Fixture	83.6	0.0	83.6
<b>Total</b>	Lumens	2861.9	0.0	2861.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	28.0	1.0
20°-30°	168.8	5.9
30°-40°	408.6	14.3
40°-50°	572.7	20.0
50°-60°	676.6	23.6
60°-70°	620.5	21.7
70°-80°	336.2	11.7
80°-90°	50.4	1.8
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°	2861.9	100.0
0°-180°	2861.9	100.0

**Coefficient of Utilization**



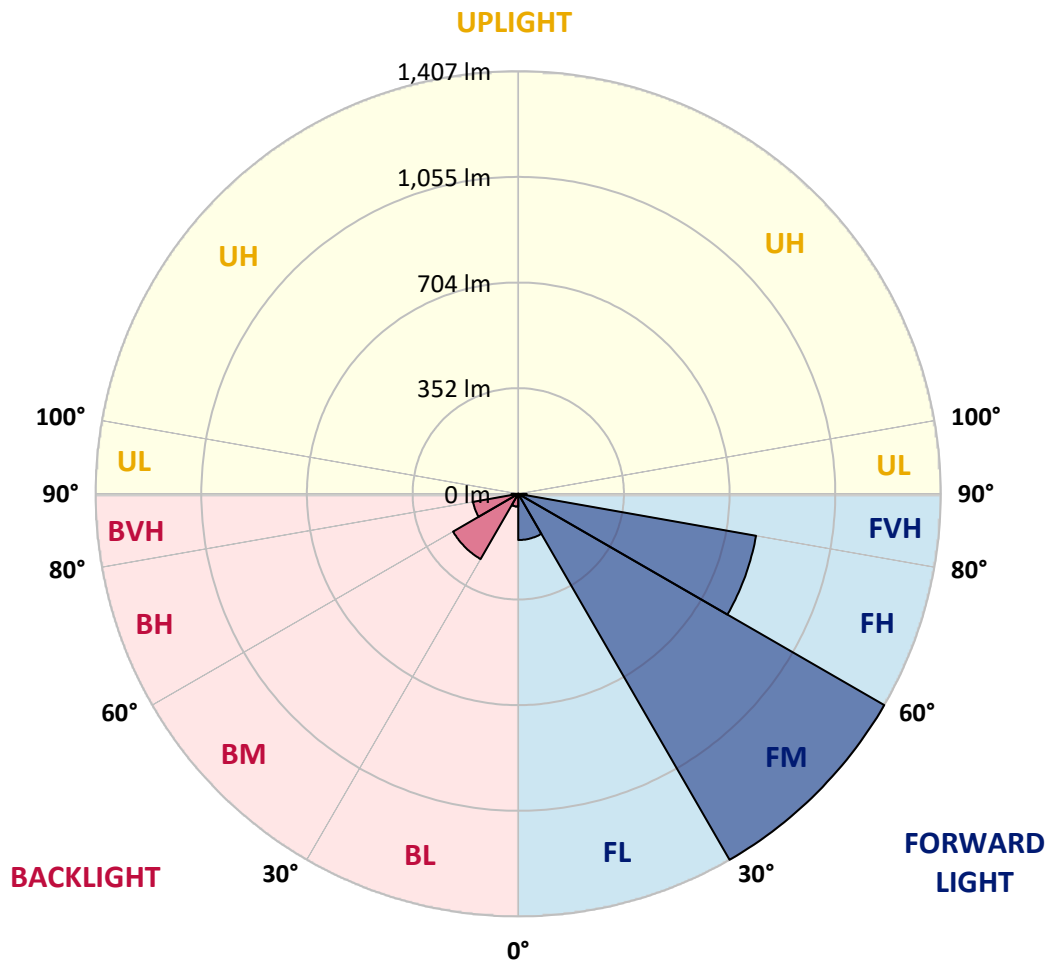
REPORT NUMBER: P694595  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.9	5.4			
FM (30°-60°)	1407.2	49.2			
FH (60°-80°)	804.0	28.1			G1/1800
FVH (80°-90°)	27.9	1.0			G1/100
BL (0°-30°)	42.9	1.5	B0/110		
BM (30°-60°)	250.8	8.8	B1/1000		
BH (60°-80°)	152.7	5.3	B1/500		G1/500
BVH (80°-90°)	22.5	0.8			G1/100
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



REPORT NUMBER: P694595  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10°	14.0	13.0	10.0	6.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0
12.5°	172.0	172.0	170.0	156.0	20.0	7.0	2.0	5.0	10.0	12.0	13.0
15°	195.0	193.0	193.0	191.0	186.0	43.0	19.0	150.0	137.0	133.0	102.0
17.5°	301.0	340.0	231.0	215.0	209.0	172.0	164.0	177.0	157.0	154.0	118.0
20°	458.0	458.0	455.0	450.0	243.0	335.0	315.0	203.0	206.0	248.0	235.0
22.5°	512.0	510.0	500.0	493.0	530.0	363.0	342.0	373.0	364.0	361.0	276.0
25°	822.0	813.0	799.0	562.0	580.0	510.0	508.0	477.0	408.0	401.0	317.0
27.5°	899.0	892.0	880.0	802.0	663.0	670.0	532.0	572.0	618.0	622.0	476.0
30°	1282.0	1271.0	1133.0	889.0	840.0	730.0	743.0	725.0	684.0	668.0	514.0
32.5°	1369.0	1363.0	1337.0	1160.0	913.0	865.0	832.0	800.0	923.0	902.0	723.0
35°	1438.0	1427.0	1401.0	1204.0	1116.0	1005.0	909.0	1006.0	988.0	968.0	762.0
37.5°	1476.1	1464.1	1438.0	1253.0	1170.0	1055.0	1078.0	1067.0	1055.0	1047.0	804.0
40°	1469.1	1459.1	1443.0	1285.0	1203.0	1086.0	1160.0	1143.0	1133.0	1175.0	856.0
42.5°	1436.0	1426.0	1415.0	1301.0	1222.0	1109.0	1229.0	1252.0	1271.0	1263.0	914.0
45°	1368.0	1359.0	1359.0	1285.0	1212.0	1128.0	1289.0	1364.0	1391.0	1361.0	989.0
47.5°	1297.0	1290.0	1291.0	1241.0	1193.0	1146.0	1363.0	1455.1	1526.1	1490.1	1097.0
50°	1199.0	1196.0	1211.0	1199.0	1170.0	1148.0	1444.0	1606.1	1738.1	1726.1	1261.0
52.5°	1055.0	1057.0	1099.0	1126.0	1124.0	1134.0	1482.1	1751.1	2006.1	1974.1	1387.0
55°	931.0	924.0	958.0	1020.0	1041.0	1110.0	1503.1	1790.1	2143.1	2112.1	1494.1
57.5°	775.0	776.0	814.0	878.0	935.0	1054.0	1521.1	1861.1	2319.1	2283.1	1643.1
60°	580.0	600.0	642.0	707.0	790.0	961.0	1518.1	1958.1	2530.1	2507.1	1814.1
62.5°	379.0	386.0	445.0	509.0	637.0	841.0	1466.1	2028.1	2730.1	2688.1	1927.1
65°	221.0	234.0	261.0	322.0	449.0	673.0	1341.0	2014.1	2815.1	2784.1	1948.1
67.5°	149.0	151.0	164.0	199.0	281.0	484.0	1132.0	1882.1	2796.1	2768.1	1890.1
70°	125.0	126.0	130.0	134.0	162.0	313.0	821.0	1619.1	2640.1	2619.1	1749.1
72.5°	112.0	113.0	115.0	112.0	114.0	181.0	539.0	1343.0	2339.1	2313.1	1515.1
75°	102.0	102.0	102.0	100.0	97.0	111.0	300.0	1031.0	1880.1	1825.1	1152.0
77.5°	89.0	89.0	88.0	88.0	87.0	83.0	147.0	728.0	1264.0	1210.0	680.0
80°	73.0	73.0	73.0	74.0	73.0	62.0	79.0	438.0	612.0	600.0	263.0
82.5°	44.0	45.0	51.0	59.0	58.0	44.0	53.0	202.0	186.0	175.0	82.0
85°	6.0	5.0	14.0	20.0	24.0	16.0	22.0	46.0	43.0	45.0	20.0
87.5°	0.0	0.0	0.0	1.0	1.0	2.0	3.0	3.0	3.0	3.0	3.0
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: P694595  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0
5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	16.0	15.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
15°	91.0	83.0	76.0	64.0	13.0	2.0	1.0	7.0	16.0	36.0	37.0
17.5°	104.0	94.0	85.0	79.0	71.0	21.0	15.0	73.0	77.0	77.0	77.0
20°	201.0	178.0	123.0	89.0	77.0	64.0	70.0	79.0	82.0	83.0	83.0
22.5°	231.0	200.0	173.0	152.0	89.0	110.0	103.0	86.0	135.0	139.0	140.0
25°	263.0	226.0	183.0	159.0	151.0	113.0	118.0	133.0	143.0	143.0	143.0
27.5°	386.0	316.0	255.0	183.0	162.0	138.0	145.0	137.0	148.0	181.0	187.0
30°	413.0	330.0	254.0	204.0	172.0	161.0	145.0	179.0	192.0	192.0	191.0
32.5°	564.0	432.0	314.0	203.0	186.0	159.0	174.0	185.0	194.0	207.0	212.0
35°	587.0	431.0	302.0	234.0	183.0	167.0	177.0	197.0	230.0	235.0	232.0
37.5°	605.0	423.0	284.0	223.0	197.0	174.0	182.0	216.0	231.0	229.0	225.0
40°	626.0	412.0	264.0	215.0	190.0	174.0	194.0	215.0	221.0	212.0	210.0
42.5°	652.0	398.0	246.0	205.0	183.0	173.0	192.0	203.0	203.0	201.0	199.0
45°	688.0	385.0	229.0	194.0	180.0	169.0	187.0	187.0	199.0	197.0	196.0
47.5°	751.0	372.0	214.0	185.0	176.0	164.0	174.0	181.0	195.0	194.0	193.0
50°	819.0	358.0	202.0	179.0	172.0	158.0	159.0	175.0	191.0	190.0	189.0
52.5°	862.0	333.0	193.0	177.0	168.0	152.0	154.0	170.0	188.0	186.0	184.0
55°	894.0	311.0	187.0	176.0	164.0	138.0	150.0	166.0	184.0	181.0	179.0
57.5°	938.0	293.0	183.0	178.0	161.0	128.0	145.0	162.0	180.0	177.0	177.0
60°	981.0	278.0	179.0	179.0	160.0	123.0	141.0	159.0	176.0	175.0	175.0
62.5°	980.0	260.0	172.0	178.0	159.0	119.0	138.0	156.0	172.0	173.0	172.0
65°	895.0	237.0	162.0	172.0	152.0	116.0	134.0	156.0	168.0	169.0	169.0
67.5°	787.0	208.0	146.0	162.0	140.0	114.0	131.0	153.0	161.0	166.0	166.0
70°	664.0	171.0	126.0	148.0	128.0	112.0	131.0	148.0	153.0	163.0	162.0
72.5°	544.0	135.0	105.0	129.0	115.0	110.0	132.0	141.0	143.0	156.0	152.0
75°	414.0	102.0	84.0	105.0	99.0	108.0	130.0	131.0	130.0	134.0	128.0
77.5°	269.0	77.0	68.0	80.0	82.0	103.0	126.0	119.0	113.0	110.0	107.0
80°	123.0	55.0	52.0	62.0	61.0	95.0	119.0	106.0	97.0	92.0	88.0
82.5°	50.0	36.0	36.0	45.0	42.0	83.0	107.0	91.0	80.0	76.0	74.0
85°	14.0	15.0	16.0	24.0	25.0	64.0	86.0	71.0	58.0	86.0	79.0
87.5°	2.0	2.0	2.0	3.0	3.0	4.0	12.0	16.0	21.0	9.0	8.0
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)