

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: P416071

Luminaire Tested: **LXF.LXT-PA1-60-827-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
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-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4619 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): 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

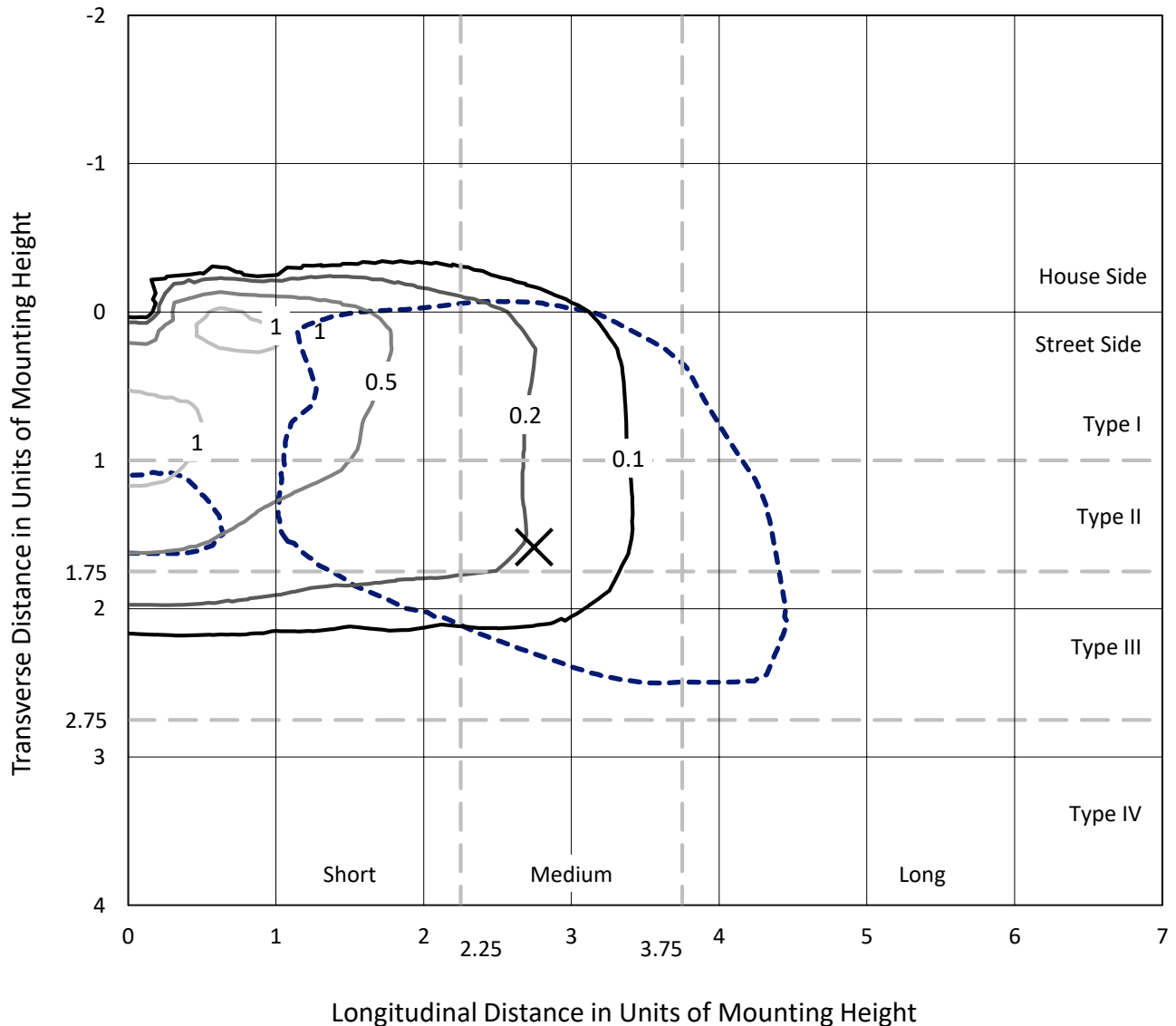


REPORT NUMBER: P416071

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

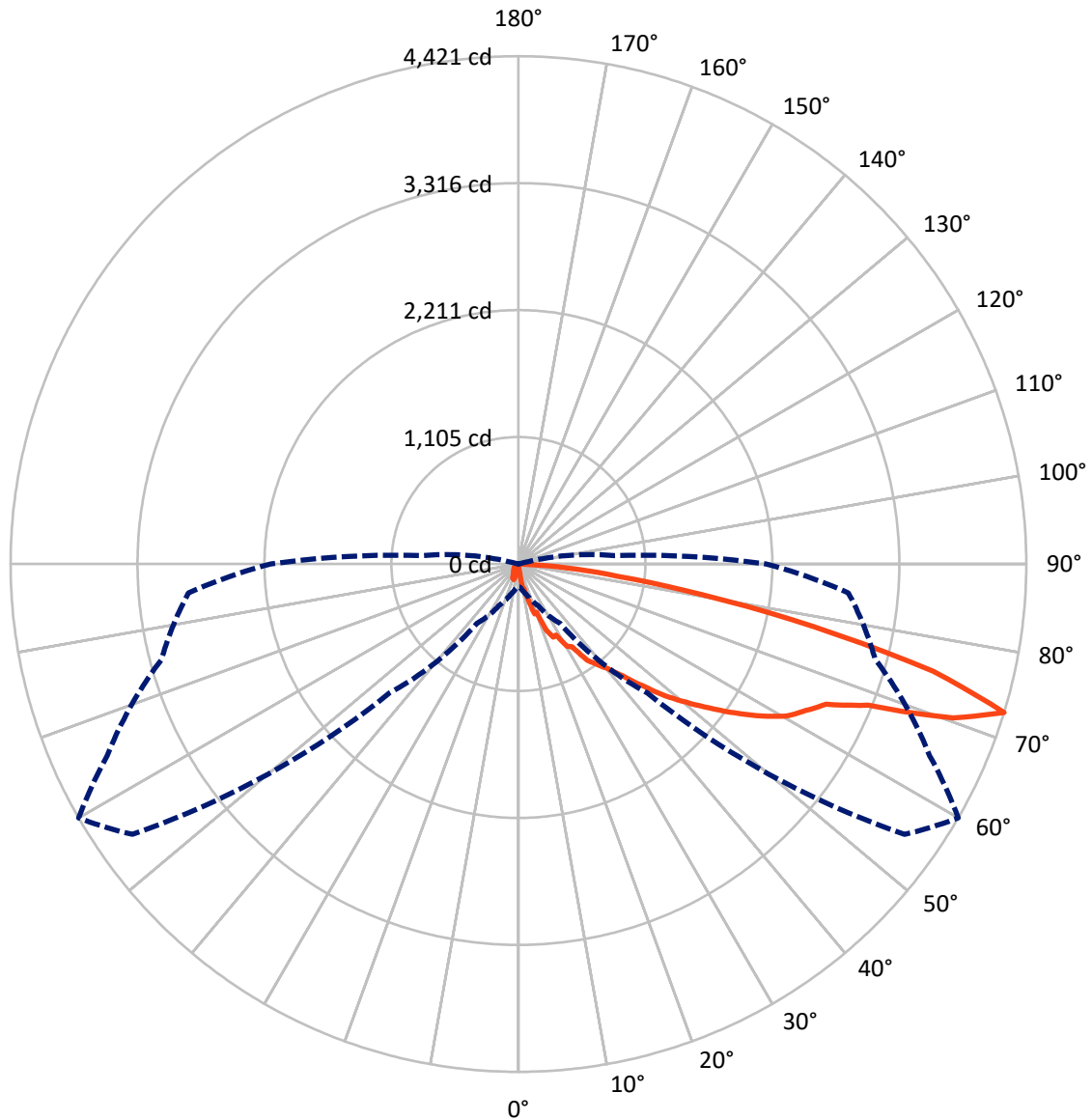
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P416071
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P416071

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-HSS

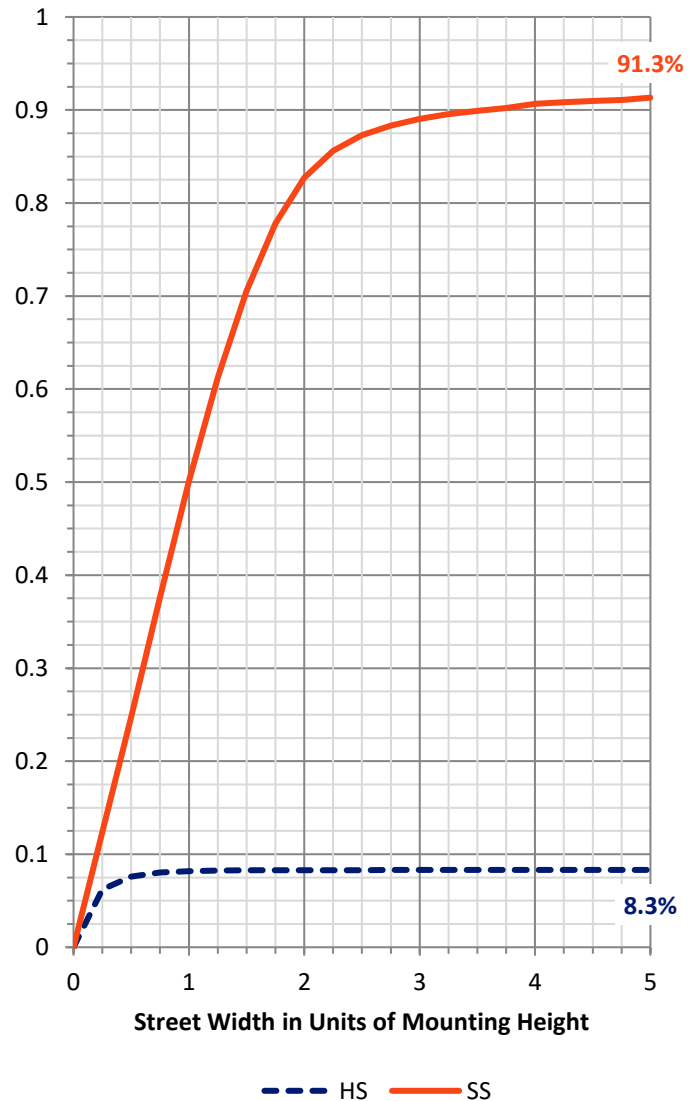
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.4	0.0	387.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4231.6	0.0	4231.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	4619.0	0.0	4619.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	64.3	1.4
20°-30°	201.2	4.4
30°-40°	433.7	9.4
40°-50°	737.5	16.0
50°-60°	1090.3	23.6
60°-70°	1185.9	25.7
70°-80°	808.2	17.5
80°-90°	91.7	2.0
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°	4619.0	100.0
0°-180°	4619.0	100.0



REPORT NUMBER: P416071

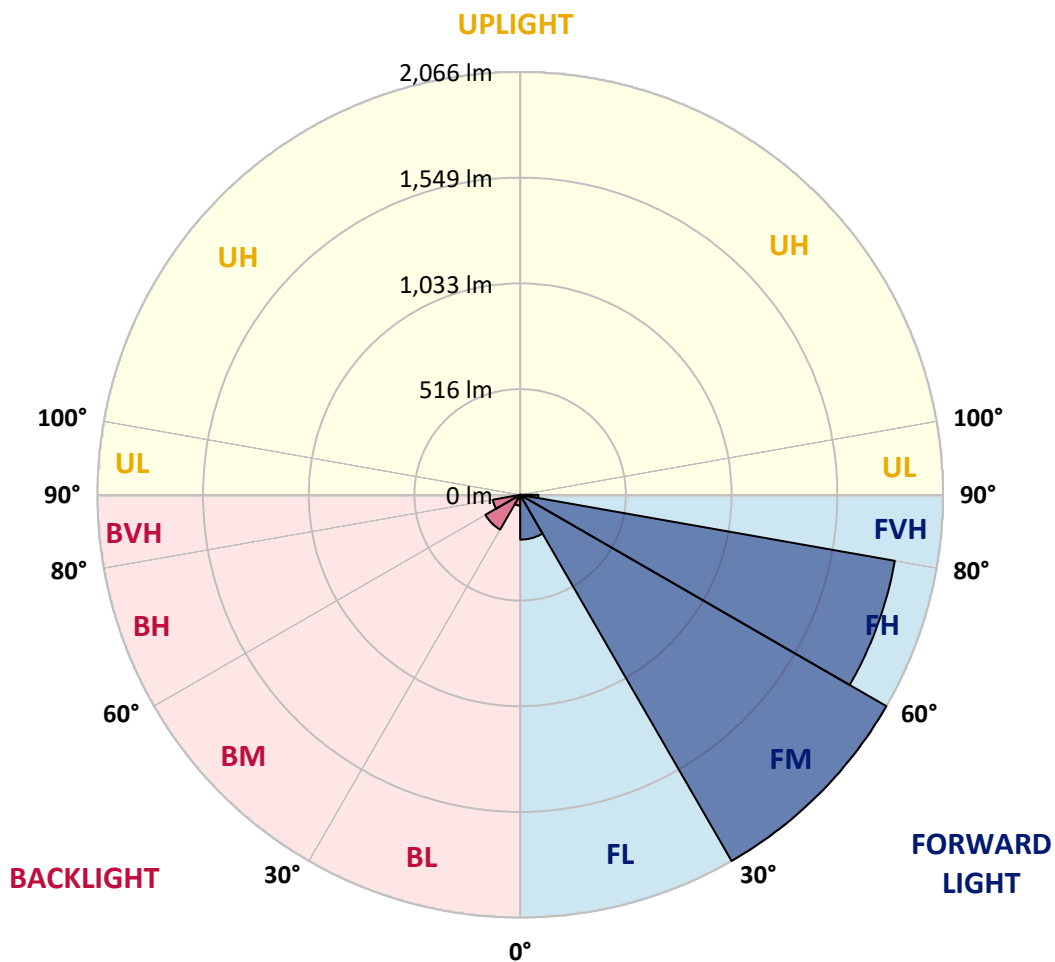
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.8	4.7			
FM	(30°-60°)	2065.5	44.7			
FH	(60°-80°)	1858.4	40.2			G2/5000
FVH	(80°-90°)	88.9	1.9			G1/100
BL	(0°-30°)	53.0	1.1	B0/110		
BM	(30°-60°)	195.9	4.2	B0/220		
BH	(60°-80°)	135.8	2.9	B1/500		G1/500
BVH	(80°-90°)	2.8	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-G2

Type III Medium





REPORT NUMBER: P416071

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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°	4.2	3.0	3.0	2.4	1.8	1.8	1.8	2.4	2.4	1.8	2.4
5°	236.3	233.3	233.3	234.5	152.3	25.8	14.4	6.0	2.4	2.4	2.4
7.5°	224.3	221.9	223.1	226.1	227.9	230.9	230.9	70.8	22.8	2.4	2.4
10°	229.7	227.9	218.3	216.5	220.1	223.1	224.3	229.7	223.1	6.6	2.4
12.5°	404.2	401.2	401.2	406.6	236.3	215.9	218.3	223.7	193.1	25.2	13.8
15°	386.8	384.4	385.0	391.6	400.6	284.2	224.3	332.2	426.4	385.0	305.8
17.5°	539.7	464.7	401.8	382.6	384.4	397.0	434.8	456.9	433.6	438.4	333.4
20°	551.1	546.9	544.5	548.7	393.4	523.5	552.9	448.5	436.6	469.5	615.3
22.5°	570.3	560.7	541.5	539.1	605.7	515.7	535.5	627.2	644.0	687.8	640.4
25°	772.4	765.2	745.4	567.3	621.2	592.5	675.2	705.8	695.6	724.4	694.4
27.5°	848.5	834.7	792.2	736.4	659.6	698.6	683.0	699.8	768.2	997.8	979.2
30°	1189.1	1152.5	1035.0	847.9	784.4	727.4	794.6	829.9	887.5	1021.2	1003.8
32.5°	1292.3	1253.3	1168.1	1079.4	929.5	824.5	874.3	858.7	900.1	1246.1	1318.1
35°	1592.7	1574.7	1421.2	1174.7	1136.4	972.7	918.1	1025.4	1086.6	1263.5	1385.2
37.5°	1596.3	1597.5	1588.5	1421.8	1246.1	1093.2	1103.4	1107.6	1154.9	1346.2	1463.2
40°	1647.3	1655.7	1677.9	1551.9	1403.8	1267.7	1240.7	1198.7	1240.7	1439.2	1569.9
42.5°	1754.0	1760.0	1809.2	1677.9	1528.5	1403.8	1417.6	1331.8	1362.4	1614.9	1715.0
45°	1941.7	1938.1	1999.9	1810.4	1644.9	1559.1	1574.7	1508.7	1490.2	1758.8	1885.3
47.5°	2154.0	2167.2	2164.8	1956.7	1760.6	1703.6	1748.6	1713.2	1640.1	1942.3	2083.8
50°	2354.9	2350.7	2288.3	2039.4	1863.7	1845.2	1948.9	1890.7	1824.2	2128.8	2275.1
52.5°	2428.0	2431.6	2357.3	2089.2	1951.9	1985.5	2140.8	2082.0	1995.7	2261.9	2465.2
55°	2414.8	2419.6	2377.7	2140.2	2017.9	2116.8	2339.9	2289.5	2192.4	2406.4	2607.9
57.5°	2291.3	2291.3	2325.5	2172.0	2082.0	2234.3	2517.4	2497.0	2377.1	2526.4	2693.1
60°	1975.9	2009.5	2116.8	2133.6	2157.6	2361.5	2693.1	2686.5	2540.8	2638.5	2743.4
62.5°	1519.5	1530.3	1767.8	1947.7	2163.6	2532.4	2841.2	2809.4	2661.9	2672.7	2778.8
65°	861.7	910.9	1130.4	1584.9	2040.6	2711.1	3079.3	2943.1	2768.0	2713.5	2909.0
67.5°	464.1	482.1	604.5	959.5	1672.5	2730.9	3619.0	3282.5	3019.9	2928.1	3163.8
70°	299.8	319.0	385.0	527.1	1048.8	2414.8	4126.9	4013.5	3539.8	3222.0	3202.8
72.5°	194.9	206.3	277.6	397.0	630.8	1590.9	4103.5	4421.3	3950.6	3216.6	2883.2
75°	79.2	87.0	139.1	330.4	533.1	779.6	3148.2	3728.1	3708.9	2858.6	2231.3
77.5°	39.6	42.0	61.8	178.7	473.1	539.7	1992.1	2629.5	2640.3	2083.8	1240.7
80°	25.8	25.2	35.4	84.0	322.6	491.1	1114.2	1615.5	1510.5	790.4	347.8
82.5°	10.2	10.8	19.2	48.0	134.9	444.3	635.6	869.5	680.0	154.1	100.1
85°	1.8	1.8	6.0	25.8	42.6	203.3	410.2	421.0	279.4	48.6	50.4
87.5°	0.6	0.6	1.2	1.8	3.0	4.8	18.0	8.4	5.4	8.4	9.6
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: P416071

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-HSS

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°	2.4	2.4	2.4	1.8	1.8	1.2	0.0	0.0	0.6	0.6	0.6
5°	2.4	2.4	2.4	1.8	1.8	0.6	0.0	0.0	0.6	0.6	0.6
7.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.6	0.6	0.6
10°	2.4	2.4	2.4	1.8	1.2	0.6	17.4	110.9	114.5	115.1	113.9
12.5°	15.0	15.6	8.4	1.8	1.2	103.1	102.5	85.8	75.0	70.8	65.4
15°	325.6	309.4	256.1	151.1	83.4	84.6	62.4	46.2	37.2	34.8	33.6
17.5°	322.6	299.2	235.7	137.9	145.1	63.6	33.6	37.2	48.6	49.2	49.2
20°	606.3	531.9	230.3	154.1	97.7	55.2	43.8	46.2	46.2	46.8	46.2
22.5°	632.0	557.7	344.8	196.7	70.2	58.2	49.8	43.2	44.4	57.6	55.8
25°	637.4	546.9	319.6	154.1	67.8	58.2	54.6	52.8	59.4	59.4	60.0
27.5°	918.7	768.8	387.4	115.7	67.2	60.6	60.6	55.2	53.4	52.8	53.4
30°	916.9	742.4	330.4	97.7	64.8	60.0	54.6	49.2	59.4	60.0	60.0
32.5°	1203.5	949.3	319.6	79.2	64.8	55.2	48.0	51.0	47.4	47.4	47.4
35°	1220.3	925.3	251.9	82.2	57.6	50.4	46.8	39.6	42.0	42.6	41.4
37.5°	1252.7	908.5	191.3	74.4	57.6	46.8	38.4	35.4	33.0	32.4	32.4
40°	1310.9	909.7	147.5	68.4	54.0	42.6	34.2	28.8	30.0	30.0	29.4
42.5°	1397.8	927.1	115.7	63.0	48.6	37.8	28.8	25.8	24.0	24.0	23.4
45°	1512.9	964.3	94.7	58.8	44.4	32.4	23.4	21.0	19.2	19.2	18.6
47.5°	1655.7	1016.4	82.8	54.6	39.6	27.0	19.2	16.8	15.6	15.0	15.0
50°	1808.0	1078.8	76.2	51.0	34.2	21.6	15.6	13.2	12.0	12.0	11.4
52.5°	1965.7	1150.2	70.8	48.6	29.4	18.0	12.0	9.6	9.0	8.4	9.0
55°	2093.4	1193.3	67.2	48.0	24.6	14.4	9.0	7.2	6.6	6.0	6.0
57.5°	2177.4	1216.7	62.4	44.4	19.8	10.8	6.6	4.8	4.2	4.2	4.2
60°	2243.3	1229.9	56.4	35.4	15.6	7.8	4.2	3.0	3.0	3.0	3.0
62.5°	2295.5	1238.9	47.4	27.6	12.0	5.4	3.0	1.8	1.8	1.8	1.8
65°	2450.2	1291.7	36.6	21.0	9.0	3.6	1.8	1.2	0.6	1.2	1.2
67.5°	2638.5	1313.9	27.0	15.0	6.6	2.4	1.2	0.6	0.6	0.6	1.2
70°	2564.2	1144.8	19.8	10.8	4.8	1.8	1.2	0.6	0.6	0.6	1.2
72.5°	2154.6	836.5	14.4	7.8	3.6	1.8	1.2	0.6	0.6	1.2	1.2
75°	1549.5	471.9	11.4	5.4	3.0	1.8	1.2	1.2	1.2	1.8	1.8
77.5°	729.2	175.7	11.4	4.8	3.0	1.8	1.2	1.2	1.8	2.4	1.2
80°	176.9	43.8	11.4	4.2	3.0	1.8	1.8	1.8	2.4	2.4	1.2
82.5°	59.4	18.6	8.4	3.6	3.0	1.8	1.8	2.4	2.4	3.0	1.8
85°	36.0	12.0	6.0	4.2	3.6	1.8	2.4	2.4	3.0	3.6	1.8
87.5°	6.0	4.8	4.2	4.2	3.6	2.4	2.4	3.0	3.0	3.6	2.4
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)