

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: P417059

Luminaire Tested: **LXF.LXT-PA1-90-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417059
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-PA1-90-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 6946 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 III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 94
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

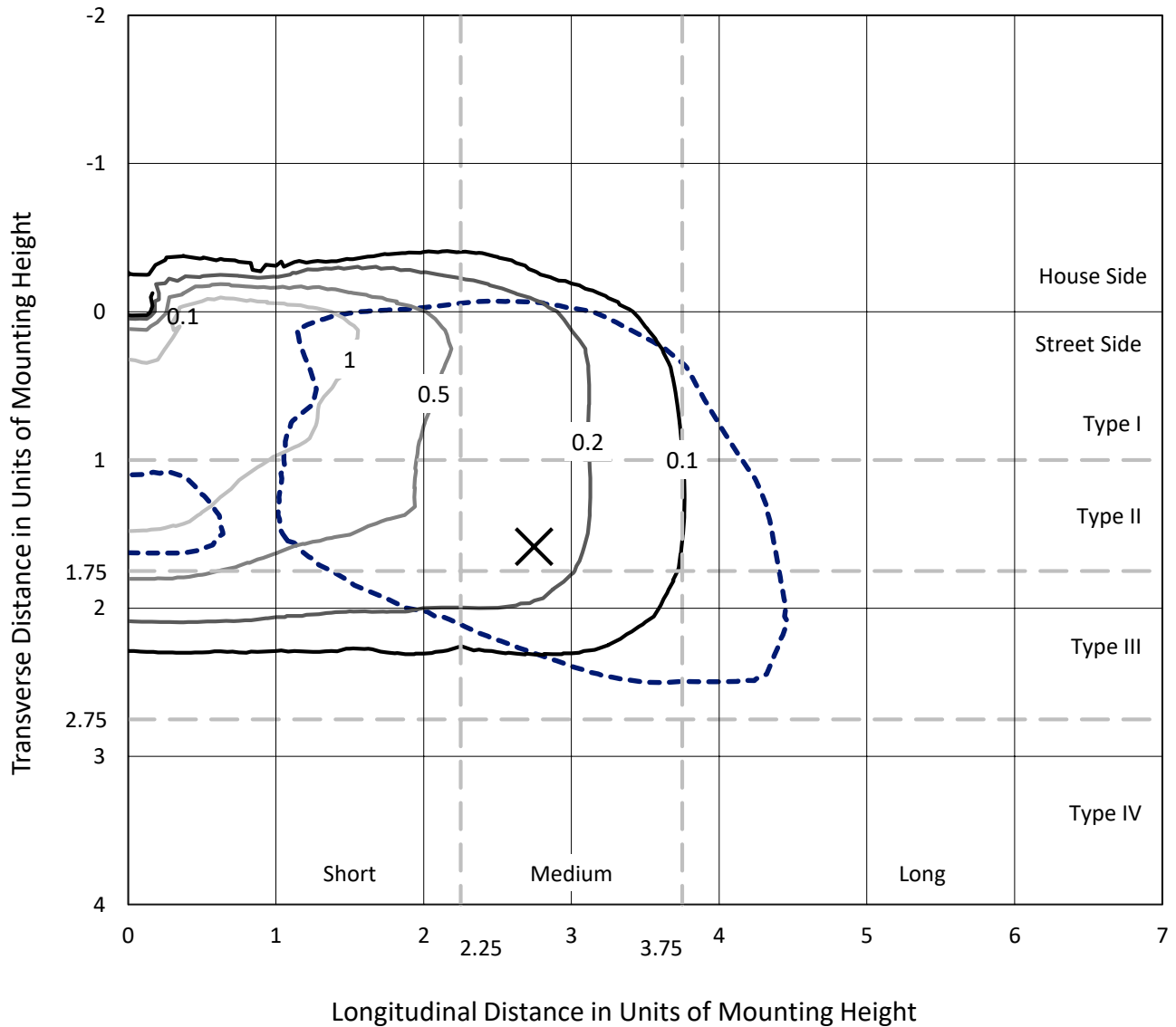


REPORT NUMBER: P417059

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

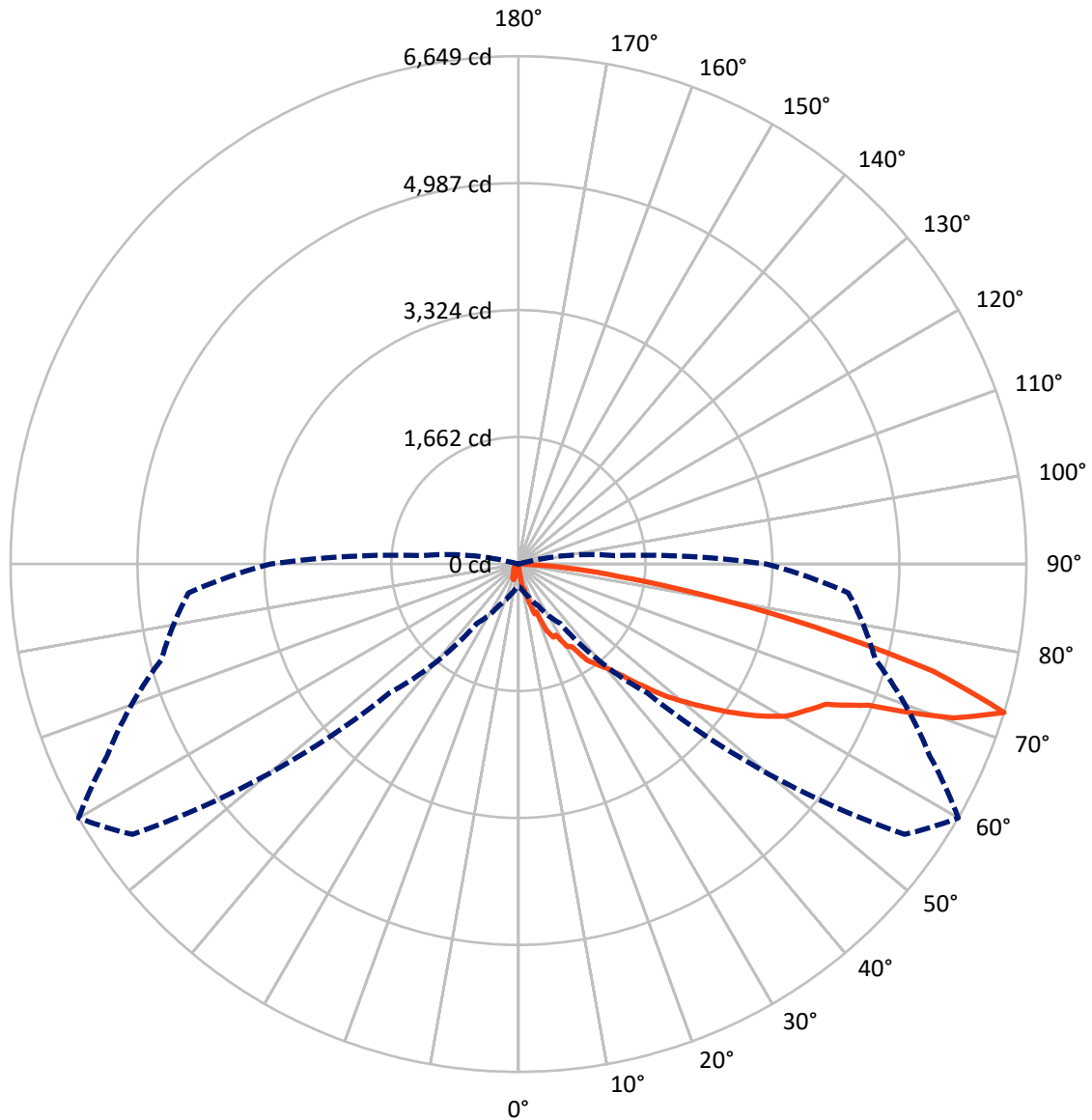


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P417059

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P417059

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-HSS

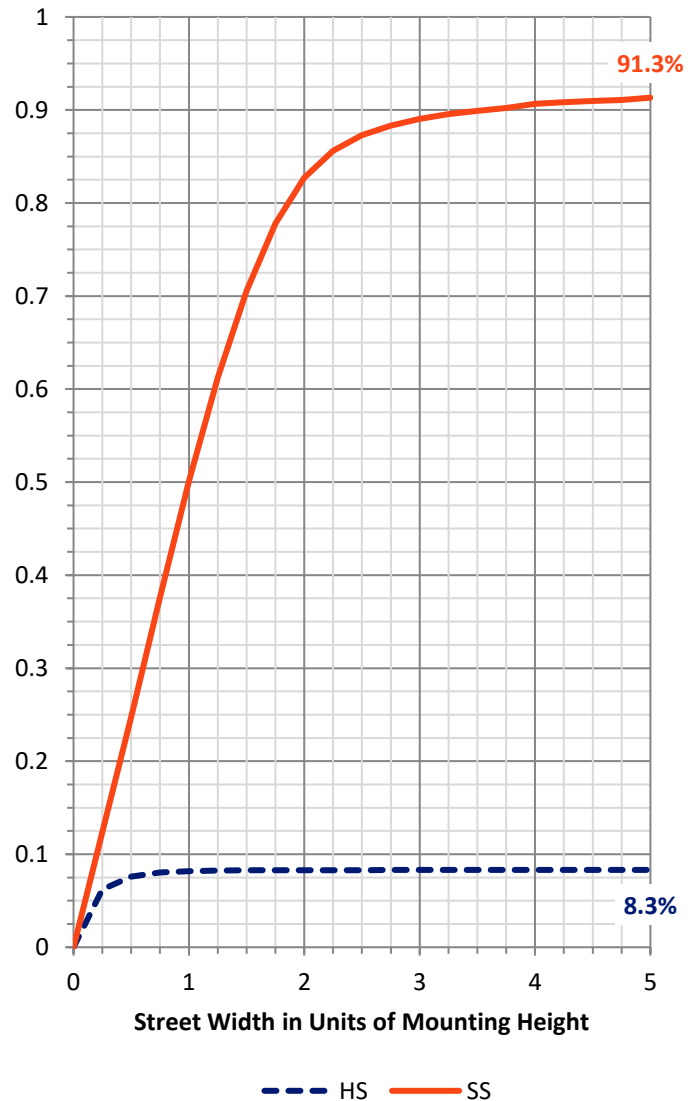
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.6	0.0	582.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6363.4	0.0	6363.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	6946.0	0.0	6946.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	96.8	1.4
20°-30°	302.5	4.4
30°-40°	652.2	9.4
40°-50°	1109.0	16.0
50°-60°	1639.5	23.6
60°-70°	1783.4	25.7
70°-80°	1215.4	17.5
80°-90°	137.8	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°	6946.0	100.0
0°-180°	6946.0	100.0



REPORT NUMBER: P417059

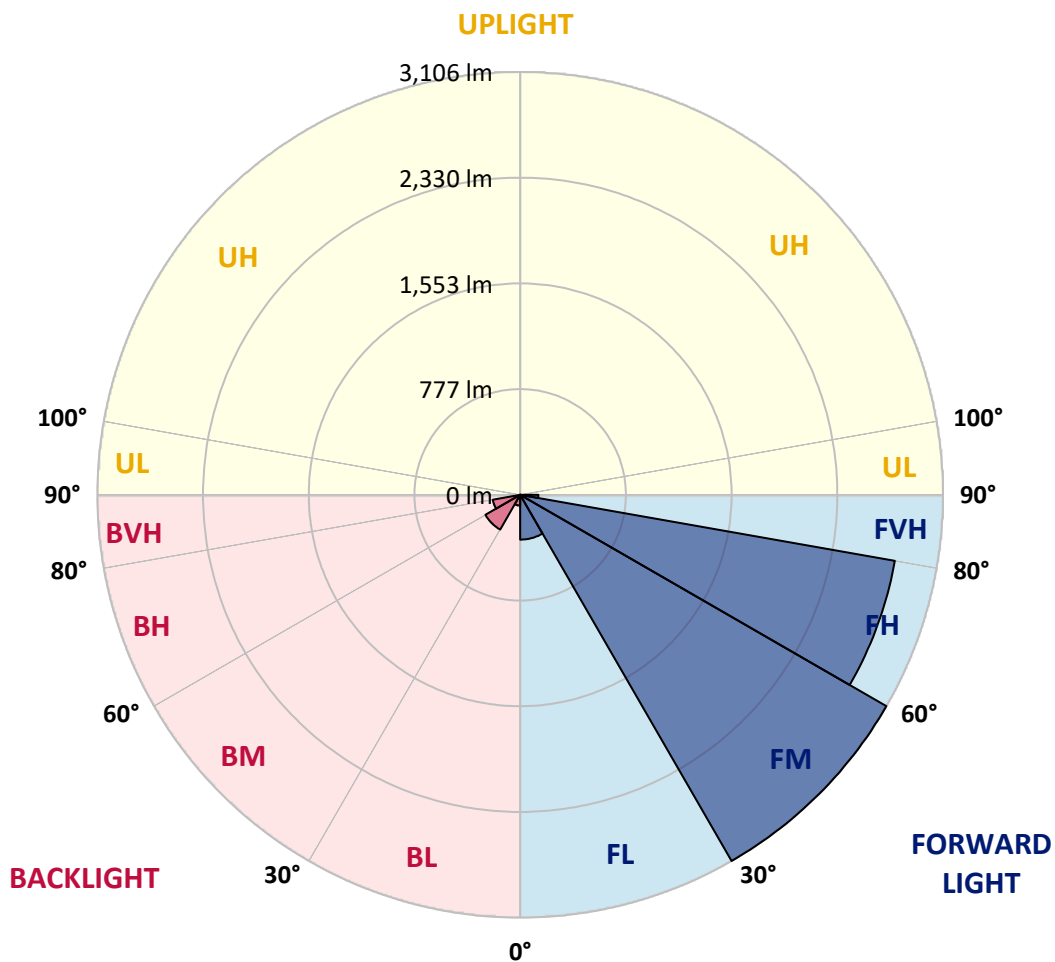
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.0	4.7			
FM	(30°-60°)	3106.1	44.7			
FH	(60°-80°)	2794.7	40.2			G2/5000
FVH	(80°-90°)	133.7	1.9			G2/225
BL	(0°-30°)	79.6	1.1	B0/110		
BM	(30°-60°)	294.6	4.2	B1/1000		
BH	(60°-80°)	204.1	2.9	B1/500		G1/500
BVH	(80°-90°)	4.2	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: P417059

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	6.3	4.5	4.5	3.6	2.7	2.7	2.7	3.6	3.6	2.7	3.6
5°	355.3	350.8	350.8	352.6	229.0	38.8	21.6	9.0	3.6	3.6	3.6
7.5°	337.3	333.7	335.5	340.0	342.7	347.2	347.2	106.4	34.3	3.6	3.6
10°	345.4	342.7	328.2	325.5	330.9	335.5	337.3	345.4	335.5	9.9	3.6
12.5°	607.8	603.3	603.3	611.4	355.3	324.6	328.2	336.4	290.4	37.9	20.7
15°	581.6	578.0	578.9	588.9	602.4	427.4	337.3	499.6	641.2	578.9	459.9
17.5°	811.6	698.9	604.2	575.3	578.0	597.0	653.8	687.1	652.0	659.2	501.4
20°	828.7	822.4	818.8	825.1	591.6	787.2	831.4	674.5	656.5	706.1	925.2
22.5°	857.6	843.1	814.3	810.7	910.8	775.5	805.3	943.2	968.5	1034.3	963.1
25°	1161.5	1150.7	1120.9	853.1	934.2	890.9	1015.4	1061.4	1046.0	1089.3	1044.2
27.5°	1276.0	1255.3	1191.2	1107.4	991.9	1050.6	1027.1	1052.4	1155.2	1500.5	1472.6
30°	1788.2	1733.2	1556.4	1275.1	1179.5	1093.8	1194.8	1248.0	1334.6	1535.7	1509.6
32.5°	1943.3	1884.7	1756.6	1623.2	1397.7	1239.9	1314.8	1291.3	1353.5	1873.9	1982.1
35°	2395.1	2368.0	2137.2	1766.6	1708.8	1462.7	1380.6	1542.0	1634.0	1900.0	2083.1
37.5°	2400.5	2402.3	2388.8	2138.1	1873.9	1643.9	1659.2	1665.6	1736.8	2024.5	2200.3
40°	2477.1	2489.8	2523.1	2333.8	2111.0	1906.3	1865.7	1802.6	1865.7	2164.2	2360.8
42.5°	2637.7	2646.7	2720.6	2523.1	2298.6	2111.0	2131.8	2002.8	2048.8	2428.4	2579.0
45°	2919.9	2914.5	3007.4	2722.4	2473.5	2344.6	2368.0	2268.8	2240.9	2644.9	2835.1
47.5°	3239.1	3259.0	3255.4	2942.5	2647.6	2561.9	2629.5	2576.3	2466.3	2920.8	3133.6
50°	3541.2	3534.9	3441.1	3066.9	2802.7	2774.7	2930.7	2843.3	2743.2	3201.3	3421.3
52.5°	3651.2	3656.7	3544.8	3141.7	2935.2	2985.7	3219.3	3130.9	3001.1	3401.5	3707.2
55°	3631.4	3638.6	3575.5	3218.4	3034.4	3183.2	3518.7	3442.9	3296.8	3618.8	3921.8
57.5°	3445.6	3445.6	3497.0	3266.2	3130.9	3360.0	3785.6	3754.9	3574.6	3799.1	4049.8
60°	2971.3	3021.8	3183.2	3208.5	3244.5	3551.1	4049.8	4039.9	3820.8	3967.8	4125.6
62.5°	2285.1	2301.3	2658.4	2928.9	3253.6	3808.1	4272.6	4224.8	4002.9	4019.2	4178.8
65°	1295.8	1369.8	1699.8	2383.4	3068.7	4076.9	4630.6	4425.9	4162.5	4080.5	4374.5
67.5°	698.0	725.0	909.0	1442.8	2515.0	4106.6	5442.1	4936.3	4541.3	4403.3	4757.7
70°	450.9	479.7	578.9	792.7	1577.2	3631.4	6205.9	6035.5	5323.1	4845.2	4816.3
72.5°	293.1	310.2	417.5	597.0	948.7	2392.4	6170.8	6648.7	5940.8	4837.1	4335.7
75°	119.0	130.8	209.2	496.9	801.7	1172.3	4734.3	5606.3	5577.4	4298.7	3355.5
77.5°	59.5	63.1	92.9	268.7	711.5	811.6	2995.7	3954.2	3970.5	3133.6	1865.7
80°	38.8	37.9	53.2	126.2	485.1	738.5	1675.5	2429.4	2271.5	1188.5	523.0
82.5°	15.3	16.2	28.9	72.1	202.9	668.2	955.9	1307.6	1022.6	231.8	150.6
85°	2.7	2.7	9.0	38.8	64.0	305.7	616.8	633.0	420.2	73.0	75.7
87.5°	0.9	0.9	1.8	2.7	4.5	7.2	27.1	12.6	8.1	12.6	14.4
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: P417059

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.6	3.6	3.6	2.7	2.7	1.8	0.0	0.0	0.9	0.9	0.9
5°	3.6	3.6	3.6	2.7	2.7	0.9	0.0	0.0	0.9	0.9	0.9
7.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
10°	3.6	3.6	3.6	2.7	1.8	0.9	26.2	166.8	172.2	173.1	171.3
12.5°	22.5	23.4	12.6	2.7	1.8	155.1	154.2	129.0	112.7	106.4	98.3
15°	489.7	465.3	385.1	227.2	125.3	127.1	93.8	69.4	55.9	52.3	50.5
17.5°	485.1	450.0	354.4	207.4	218.2	95.6	50.5	55.9	73.0	73.9	73.9
20°	911.7	799.9	346.3	231.8	147.0	83.0	65.8	69.4	69.4	70.3	69.4
22.5°	950.5	838.6	518.5	295.8	105.5	87.5	74.8	64.9	66.7	86.6	83.9
25°	958.6	822.4	480.6	231.8	101.9	87.5	82.1	79.4	89.3	89.3	90.2
27.5°	1381.5	1156.1	582.5	174.0	101.0	91.1	91.1	83.0	80.3	79.4	80.3
30°	1378.8	1116.4	496.9	147.0	97.4	90.2	82.1	73.9	89.3	90.2	90.2
32.5°	1809.8	1427.5	480.6	119.0	97.4	83.0	72.1	76.6	71.2	71.2	71.2
35°	1835.1	1391.4	378.7	123.5	86.6	75.7	70.3	59.5	63.1	64.0	62.2
37.5°	1883.8	1366.2	287.7	111.8	86.6	70.3	57.7	53.2	49.6	48.7	48.7
40°	1971.3	1368.0	221.8	102.8	81.2	64.0	51.4	43.3	45.1	45.1	44.2
42.5°	2102.0	1394.1	174.0	94.7	73.0	56.8	43.3	38.8	36.1	36.1	35.2
45°	2275.1	1450.0	142.5	88.4	66.7	48.7	35.2	31.6	28.9	28.9	28.0
47.5°	2489.8	1528.5	124.4	82.1	59.5	40.6	28.9	25.2	23.4	22.5	22.5
50°	2718.8	1622.3	114.5	76.6	51.4	32.5	23.4	19.8	18.0	18.0	17.1
52.5°	2956.0	1729.6	106.4	73.0	44.2	27.1	18.0	14.4	13.5	12.6	13.5
55°	3148.1	1794.5	101.0	72.1	37.0	21.6	13.5	10.8	9.9	9.0	9.0
57.5°	3274.3	1829.7	93.8	66.7	29.8	16.2	9.9	7.2	6.3	6.3	6.3
60°	3373.5	1849.5	84.8	53.2	23.4	11.7	6.3	4.5	4.5	4.5	4.5
62.5°	3452.0	1863.0	71.2	41.5	18.0	8.1	4.5	2.7	2.7	2.7	2.7
65°	3684.6	1942.4	55.0	31.6	13.5	5.4	2.7	1.8	0.9	1.8	1.8
67.5°	3967.8	1975.8	40.6	22.5	9.9	3.6	1.8	0.9	0.9	0.9	1.8
70°	3855.9	1721.5	29.8	16.2	7.2	2.7	1.8	0.9	0.9	0.9	1.8
72.5°	3240.0	1258.0	21.6	11.7	5.4	2.7	1.8	0.9	0.9	1.8	1.8
75°	2330.2	709.7	17.1	8.1	4.5	2.7	1.8	1.8	1.8	2.7	2.7
77.5°	1096.5	264.2	17.1	7.2	4.5	2.7	1.8	1.8	2.7	3.6	1.8
80°	266.0	65.8	17.1	6.3	4.5	2.7	2.7	2.7	3.6	3.6	1.8
82.5°	89.3	28.0	12.6	5.4	4.5	2.7	2.7	3.6	3.6	4.5	2.7
85°	54.1	18.0	9.0	6.3	5.4	2.7	3.6	3.6	4.5	5.4	2.7
87.5°	9.0	7.2	6.3	6.3	5.4	3.6	3.6	4.5	4.5	5.4	3.6
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)