

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: P416930

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5173 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 83
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

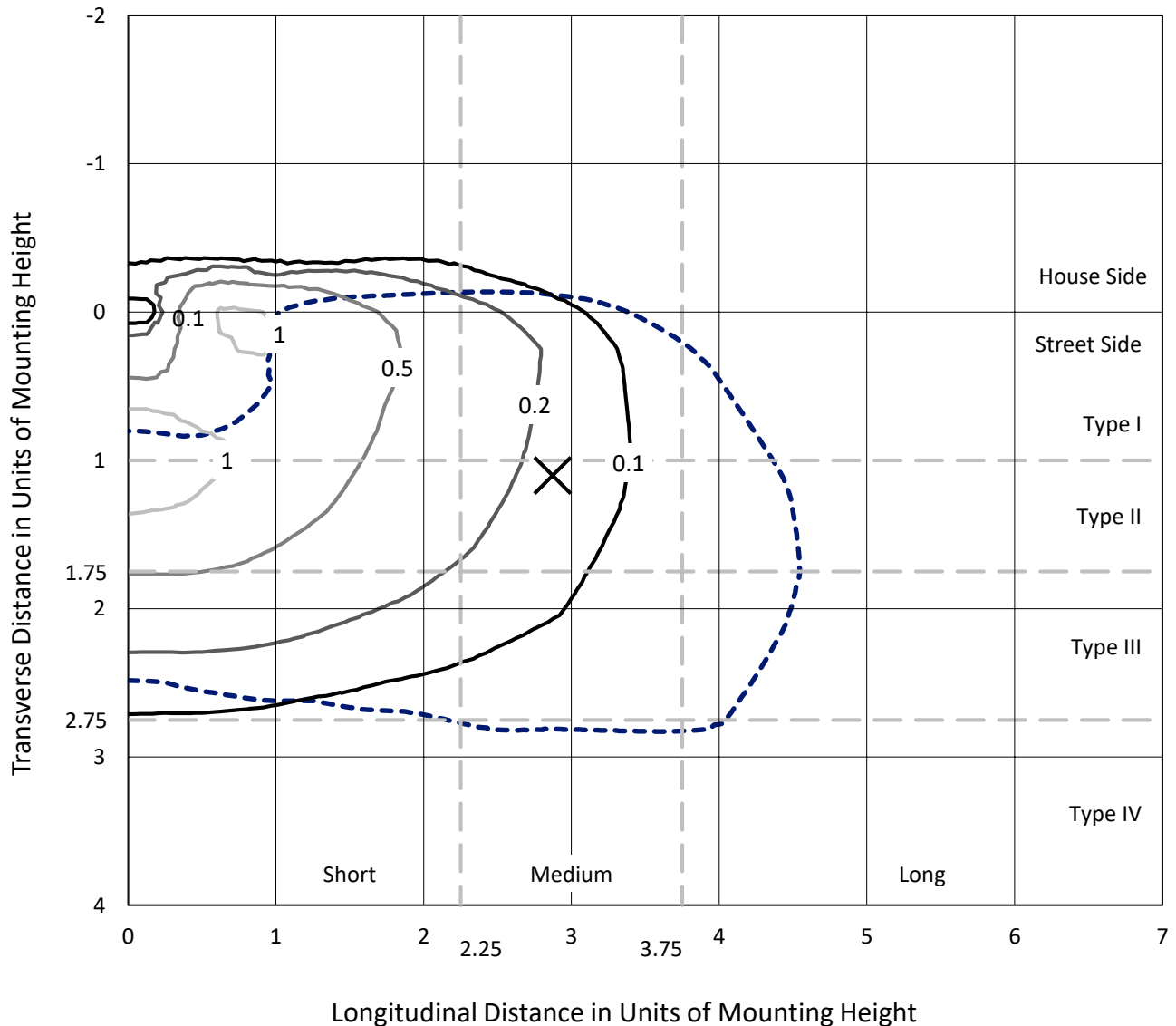


REPORT NUMBER: P416930

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

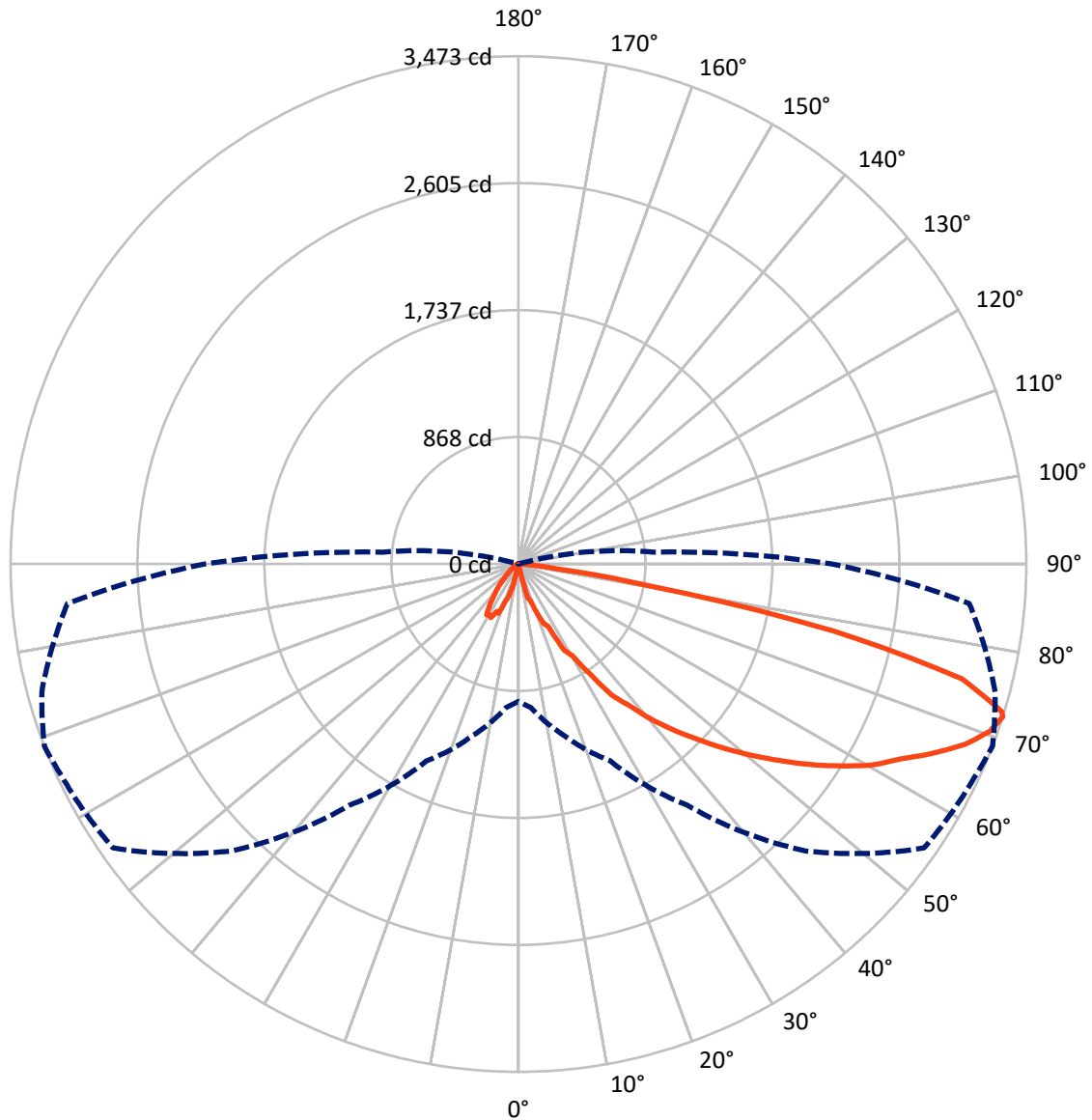


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416930

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P416930

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-HSS

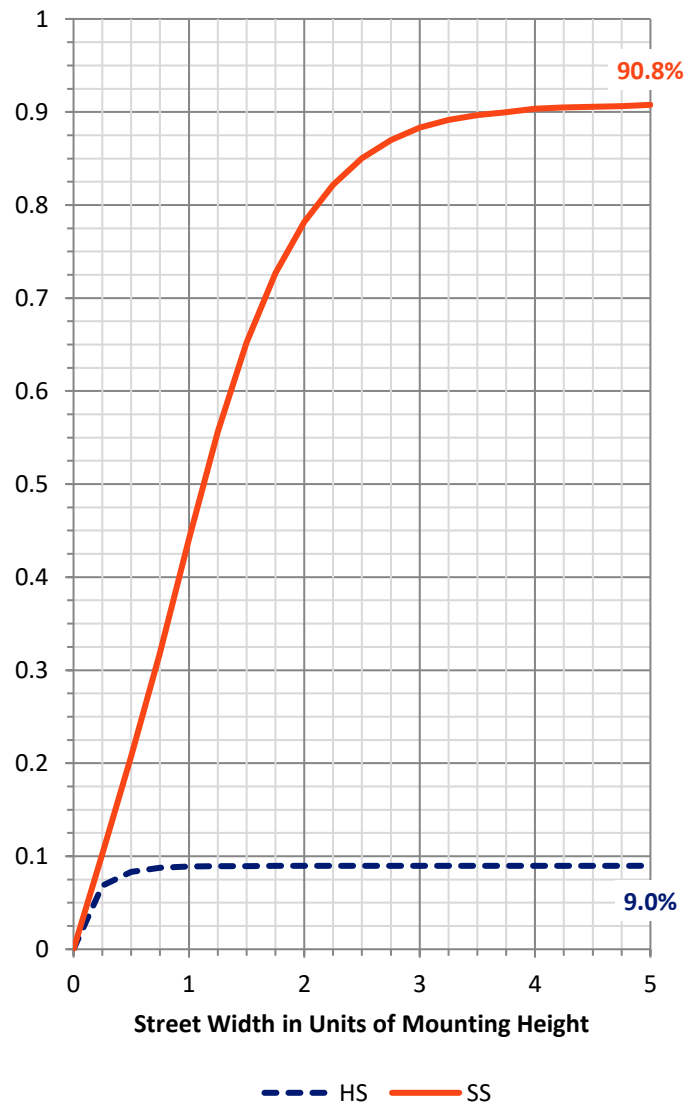
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.1	0.0	469.1
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4703.9	0.0	4703.9
	% Fixture	90.9	0.0	90.9
Total	Lumens	5173.0	0.0	5173.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	45.0	0.9
20°-30°	161.1	3.1
30°-40°	411.5	8.0
40°-50°	814.3	15.7
50°-60°	1283.2	24.8
60°-70°	1492.5	28.9
70°-80°	906.0	17.5
80°-90°	56.1	1.1
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°	5173.0	100.0
0°-180°	5173.0	100.0



REPORT NUMBER: P416930

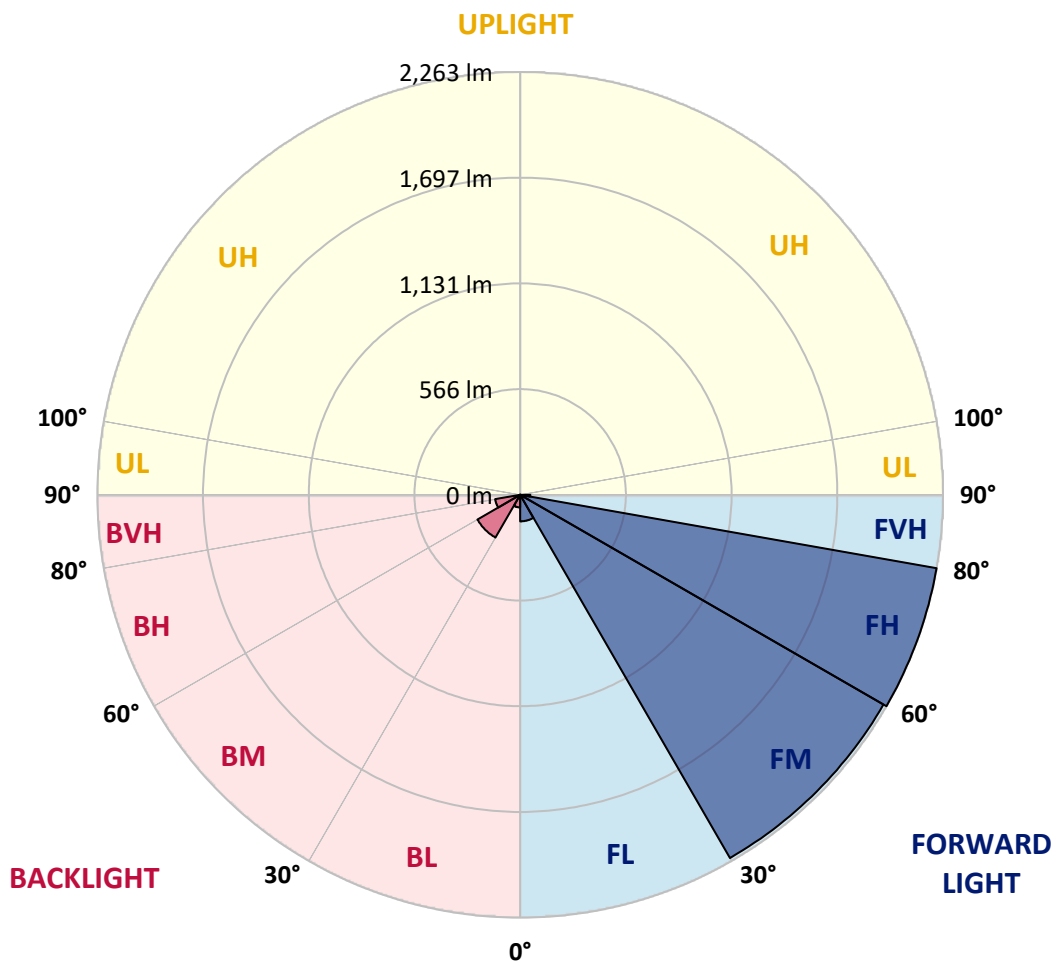
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.0	2.7			
FM	(30°-60°)	2244.9	43.4			
FH	(60°-80°)	2262.8	43.7			G2/5000
FVH	(80°-90°)	54.1	1.0			G1/100
BL	(0°-30°)	67.4	1.3	B0/110		
BM	(30°-60°)	264.0	5.1	B1/1000		
BH	(60°-80°)	135.7	2.6	B1/500		G1/500
BVH	(80°-90°)	1.9	0.0			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 IV Medium





REPORT NUMBER: P416930

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.7	0.7	0.7	0.7	1.5	1.5	2.2	2.2	2.2	2.2	2.2
5°	72.0	47.0	35.3	29.4	14.7	3.7	2.2	2.2	2.2	2.2	2.2
7.5°	111.0	111.0	111.7	112.5	114.7	96.3	20.6	2.2	2.2	2.2	2.2
10°	107.3	106.6	106.6	108.1	111.0	113.9	116.9	15.4	3.7	2.2	2.2
12.5°	209.5	207.3	192.6	134.5	110.3	111.7	117.6	89.7	25.0	14.7	84.5
15°	207.3	206.6	208.0	211.7	213.2	119.1	174.2	236.7	241.8	163.2	197.7
17.5°	226.4	219.8	209.5	211.0	217.6	255.8	246.3	256.6	261.7	183.0	213.9
20°	313.2	312.4	313.9	246.3	230.1	324.2	285.2	278.6	346.2	362.4	402.1
22.5°	319.8	318.3	320.5	327.9	368.3	338.9	413.1	422.7	442.5	489.6	459.4
25°	447.7	447.7	367.6	342.6	419.7	383.0	511.6	480.8	470.5	525.6	591.0
27.5°	540.3	534.4	515.3	478.6	436.7	541.8	544.7	657.2	666.7	733.6	746.1
30°	684.4	676.3	625.6	596.9	541.8	569.7	635.9	781.4	728.5	782.1	836.5
32.5°	1013.0	1001.2	937.3	752.0	682.9	617.5	762.3	838.8	890.9	1036.5	1096.0
35°	1312.2	1235.7	1148.2	1007.1	827.7	802.7	822.6	1040.2	1101.9	1146.8	1207.0
37.5°	1613.5	1615.0	1527.5	1185.0	1046.0	927.0	991.7	1162.2	1224.7	1290.8	1345.2
40°	1855.4	1818.6	1701.8	1450.4	1234.2	1115.1	1123.2	1281.3	1392.3	1475.3	1486.4
42.5°	2164.1	2148.7	1976.7	1692.9	1477.6	1361.4	1326.1	1404.0	1551.1	1606.2	1640.0
45°	2459.7	2436.9	2290.6	1969.3	1737.8	1607.7	1559.2	1559.9	1704.7	1763.5	1812.0
47.5°	2680.9	2644.2	2565.5	2223.7	2064.9	1876.7	1776.0	1737.8	1878.9	1955.4	1982.6
50°	2912.5	2852.2	2789.7	2511.1	2347.2	2184.0	1991.4	1948.8	2050.9	2136.2	2158.3
52.5°	3067.6	2980.1	2936.7	2716.2	2600.1	2496.4	2206.8	2159.0	2231.8	2332.5	2314.8
55°	2988.9	2961.7	3008.8	2893.4	2780.9	2666.2	2441.3	2402.3	2421.4	2506.0	2464.1
57.5°	2825.0	2833.1	2972.0	2994.1	2943.3	2835.3	2651.5	2644.9	2605.9	2675.0	2620.6
60°	2653.7	2683.9	2877.2	2987.5	3024.2	2988.2	2873.5	2825.0	2790.4	2839.0	2796.3
62.5°	2424.4	2430.2	2689.7	2928.6	2993.3	3107.3	3028.6	3005.1	2933.8	3005.8	2988.2
65°	2136.2	2143.6	2387.6	2726.5	2900.7	3130.1	3149.9	3174.9	3119.8	3139.6	3195.5
67.5°	1814.2	1828.2	2041.4	2368.5	2701.5	3085.2	3250.6	3298.4	3294.0	3288.1	3343.2
70°	1468.7	1478.3	1651.8	1938.5	2379.5	2961.7	3344.0	3405.0	3421.9	3380.7	3341.8
72°	939.5	985.8	1215.1	1485.6	2014.2	2774.3	3385.9	3444.0	3473.4	3374.9	3095.5
72.5°	738.0	774.8	1122.5	1361.4	1889.2	2730.9	3377.8	3430.7	3457.9	3342.5	2991.1
75°	158.8	163.2	351.4	661.6	1191.6	2092.1	3097.7	3104.3	3133.7	2912.5	2048.0
77.5°	68.4	69.1	97.8	218.3	427.8	1069.6	2144.3	2205.3	2203.1	1884.8	990.2
80°	47.8	49.3	58.1	100.0	203.6	309.5	1047.5	1054.1	907.1	674.1	247.0
82.5°	25.0	26.5	41.2	59.5	138.2	113.2	338.9	341.8	252.1	158.8	57.3
85°	4.4	6.6	19.8	36.0	53.7	45.6	74.2	93.4	80.9	63.2	24.3
87.5°	0.7	0.7	5.1	5.1	7.4	4.4	7.4	8.1	8.8	13.2	6.6
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: P416930

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	67.6	91.2	97.0	103.6
10°	2.2	2.9	2.2	2.2	1.5	92.6	113.9	115.4	116.9	116.9	116.1
12.5°	93.4	95.6	33.8	6.6	86.0	117.6	111.7	102.2	93.4	90.4	89.7
15°	199.9	200.7	181.6	156.6	166.9	111.0	87.5	99.2	100.7	97.0	97.0
17.5°	215.4	215.4	205.8	251.4	211.0	111.0	91.9	75.7	64.7	61.7	61.0
20°	426.4	373.4	302.1	255.1	172.0	124.2	64.7	55.1	53.7	53.7	55.9
22.5°	460.2	453.6	393.3	344.0	147.8	87.5	63.2	63.2	75.0	73.5	72.8
25°	600.6	591.8	445.5	299.2	147.8	75.0	80.1	70.6	69.1	67.6	66.2
27.5°	759.4	741.0	626.3	270.5	104.4	78.7	76.5	66.9	79.4	79.4	78.7
30°	864.5	795.4	630.7	242.6	88.2	83.8	72.0	77.9	70.6	66.2	66.2
32.5°	1120.3	1088.7	771.1	171.3	83.8	75.7	75.7	66.9	59.5	61.7	61.0
35°	1201.2	1160.0	686.6	128.6	77.2	69.8	63.2	58.8	50.7	45.6	44.8
37.5°	1301.1	1247.5	576.3	99.2	75.7	61.7	52.2	44.8	39.0	39.0	38.2
40°	1423.9	1342.3	471.2	84.5	66.9	52.9	40.4	34.5	30.9	28.7	27.9
42.5°	1558.4	1432.0	362.4	76.5	58.1	43.4	30.1	25.0	22.8	22.1	22.1
45°	1700.3	1515.0	260.2	69.8	50.7	33.8	22.1	17.6	16.9	16.9	16.9
47.5°	1845.1	1575.3	177.2	63.2	42.6	25.0	16.2	13.2	13.2	12.5	12.5
50°	1987.0	1616.5	122.0	56.6	34.5	17.6	11.8	11.0	11.0	10.3	10.3
52.5°	2089.9	1606.9	91.2	49.3	27.2	13.2	9.6	8.8	8.8	8.8	8.8
55°	2189.9	1585.6	75.0	41.9	20.6	9.6	7.4	6.6	6.6	6.6	6.6
57.5°	2292.8	1556.9	64.7	33.8	14.7	7.4	5.1	5.1	5.1	5.1	5.1
60°	2378.1	1501.1	55.9	27.2	10.3	5.1	4.4	3.7	3.7	3.7	3.7
62.5°	2472.9	1444.5	47.8	20.6	7.4	3.7	2.9	2.2	2.2	1.5	2.2
65°	2540.5	1375.4	39.0	14.7	5.1	2.9	2.2	1.5	0.7	0.0	0.7
67.5°	2539.0	1283.5	27.9	9.6	3.7	2.2	1.5	0.7	0.0	0.0	0.0
70°	2428.0	1151.9	19.1	6.6	2.9	1.5	1.5	0.7	0.0	0.0	0.0
72°	2142.8	929.2	14.7	5.9	2.9	1.5	1.5	0.7	0.0	0.0	0.0
72.5°	2042.8	852.7	13.2	5.1	2.9	1.5	1.5	0.7	0.0	0.0	0.0
75°	1297.5	355.1	10.3	4.4	2.9	1.5	1.5	0.7	0.7	0.7	0.0
77.5°	602.8	130.1	7.4	3.7	2.2	1.5	1.5	0.7	0.7	1.5	0.0
80°	131.6	38.2	5.1	3.7	2.2	1.5	1.5	1.5	1.5	2.2	0.0
82.5°	30.1	12.5	4.4	2.9	2.2	1.5	1.5	1.5	1.5	2.2	0.0
85°	11.0	7.4	4.4	3.7	2.9	1.5	1.5	2.2	2.2	2.9	0.0
87.5°	4.4	4.4	3.7	3.7	2.9	1.5	2.2	2.2	2.9	2.9	0.0
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)