

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: P416098

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416098
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-PA1-60-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 4220 lumens
Efficiency: N/A
Efficacy: 65.9 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): 64
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

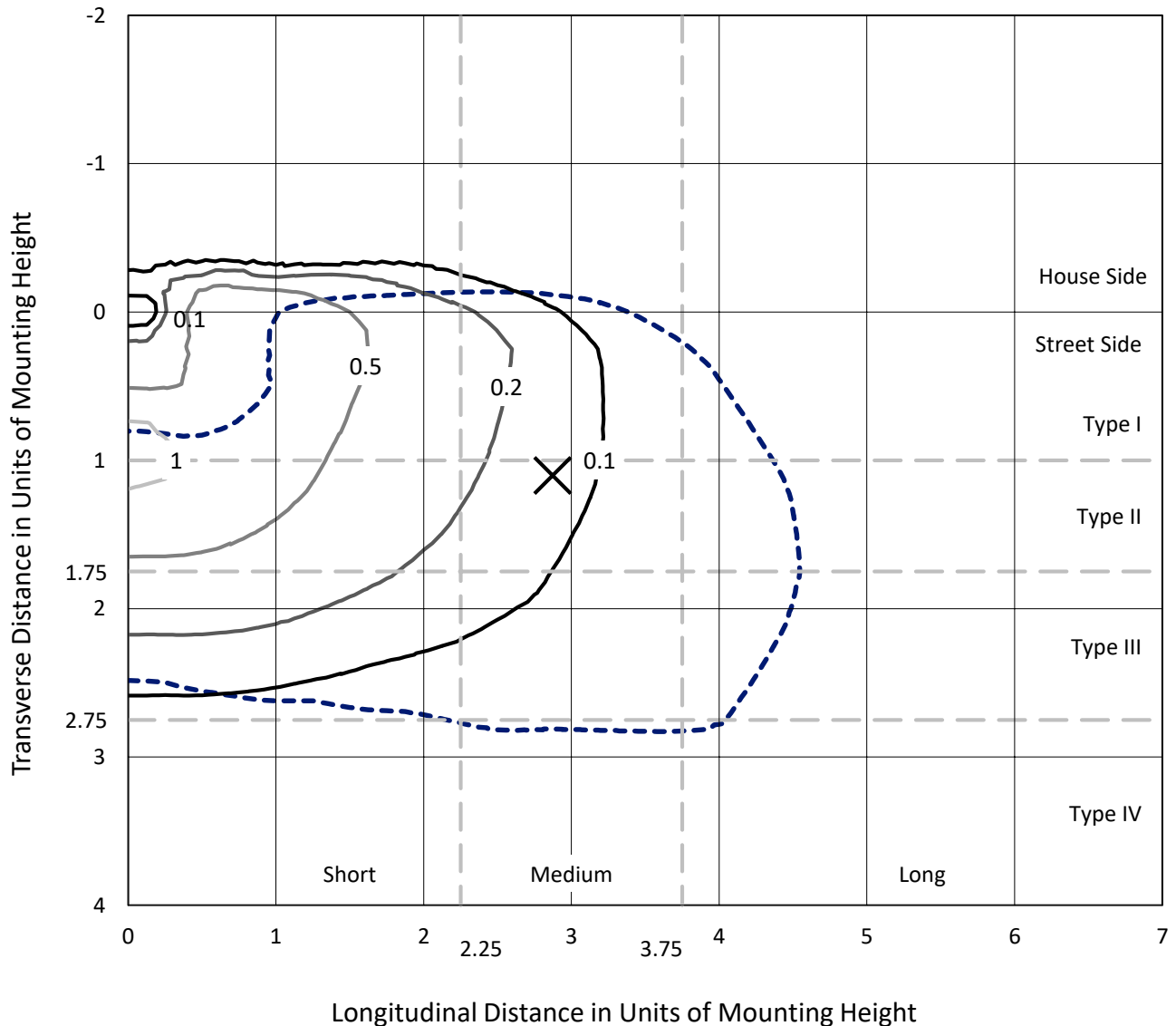


REPORT NUMBER: P416098

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

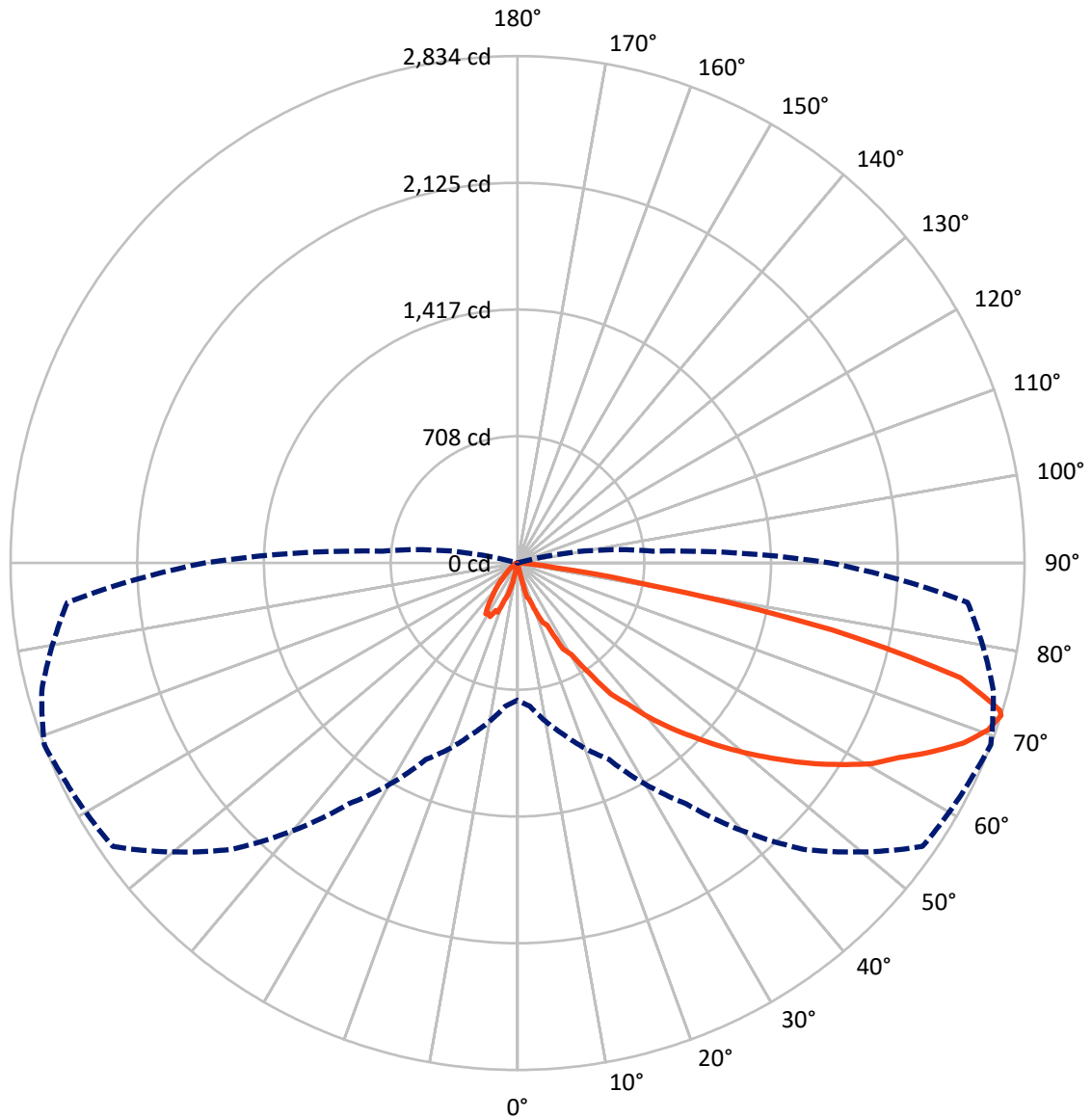


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416098

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416098

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-HSS

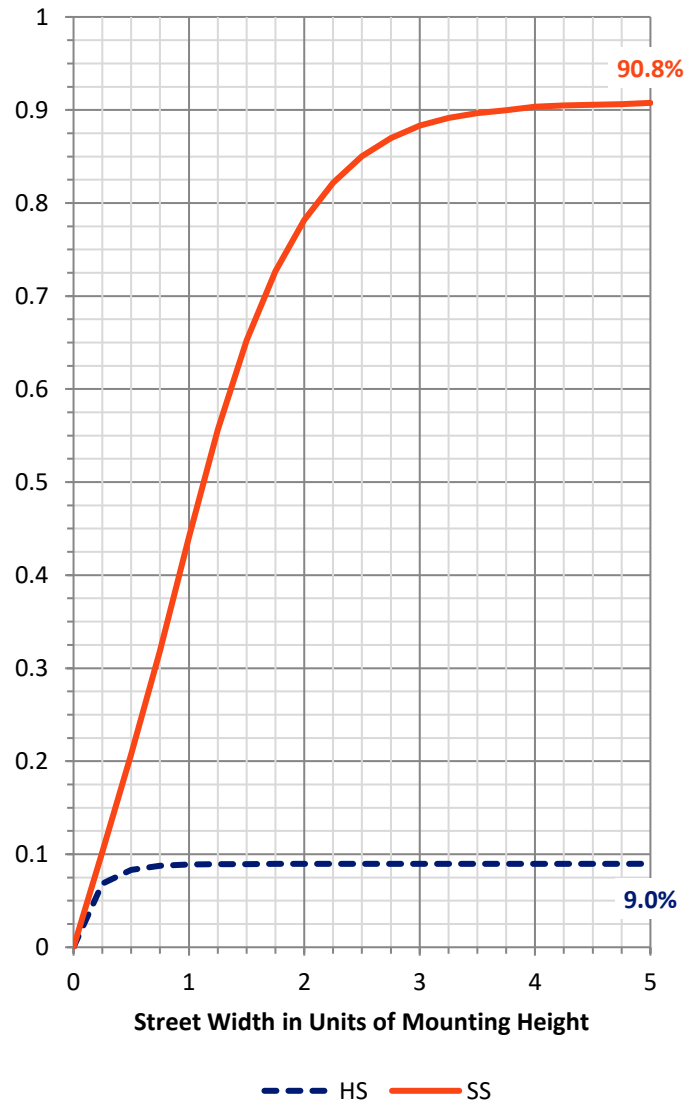
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	382.7	0.0	382.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3837.3	0.0	3837.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	4220.0	0.0	4220.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	36.7	0.9
20°-30°	131.4	3.1
30°-40°	335.7	8.0
40°-50°	664.3	15.7
50°-60°	1046.8	24.8
60°-70°	1217.6	28.9
70°-80°	739.1	17.5
80°-90°	45.7	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°	4220.0	100.0
0°-180°	4220.0	100.0



REPORT NUMBER: P416098

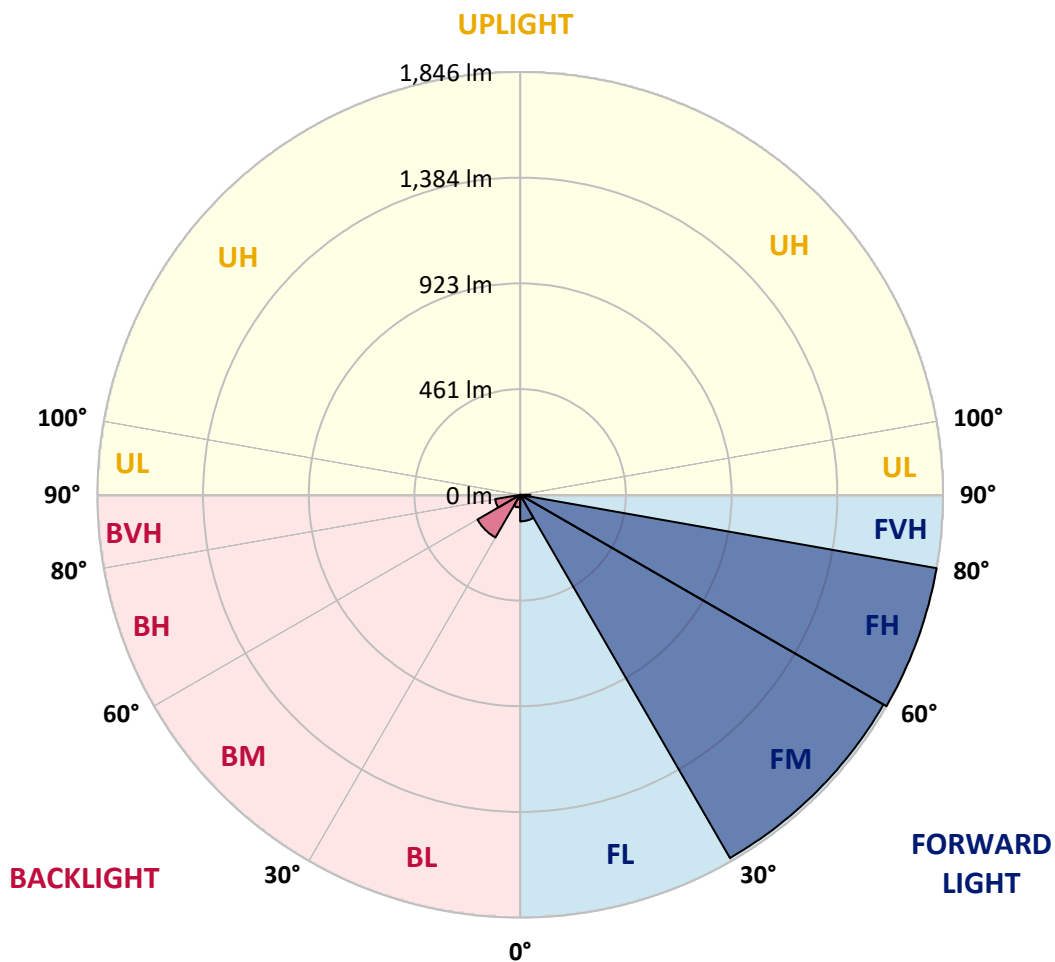
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.9	2.7			
FM	(30°-60°)	1831.4	43.4			
FH	(60°-80°)	1846.0	43.7			G2/5000
FVH	(80°-90°)	44.2	1.0			G1/100
BL	(0°-30°)	55.0	1.3	B0/110		
BM	(30°-60°)	215.4	5.1	B0/220		
BH	(60°-80°)	110.7	2.6	B1/500		G1/500
BVH	(80°-90°)	1.6	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: P416098

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.6	0.6	0.6	0.6	1.2	1.2	1.8	1.8	1.8	1.8	1.8
5°	58.8	38.4	28.8	24.0	12.0	3.0	1.8	1.8	1.8	1.8	1.8
7.5°	90.6	90.6	91.2	91.8	93.5	78.6	16.8	1.8	1.8	1.8	1.8
10°	87.6	87.0	87.0	88.2	90.6	92.9	95.3	12.6	3.0	1.8	1.8
12.5°	170.9	169.1	157.1	109.7	90.0	91.2	95.9	73.2	20.4	12.0	69.0
15°	169.1	168.5	169.7	172.7	173.9	97.1	142.1	193.1	197.3	133.1	161.3
17.5°	184.7	179.3	170.9	172.1	177.5	208.7	200.9	209.3	213.5	149.3	174.5
20°	255.5	254.9	256.1	200.9	187.7	264.5	232.7	227.3	282.4	295.6	328.0
22.5°	260.9	259.7	261.5	267.5	300.4	276.5	337.0	344.8	361.0	399.4	374.8
25°	365.2	365.2	299.8	279.4	342.4	312.4	417.4	392.2	383.8	428.8	482.1
27.5°	440.8	436.0	420.4	390.4	356.2	442.0	444.4	536.1	543.9	598.5	608.7
30°	558.3	551.7	510.3	486.9	442.0	464.7	518.7	637.5	594.3	638.1	682.4
32.5°	826.4	816.8	764.6	613.5	557.1	503.7	621.9	684.2	726.8	845.5	894.1
35°	1070.4	1008.1	936.7	821.6	675.2	654.8	671.0	848.5	898.9	935.5	984.7
37.5°	1316.3	1317.5	1246.1	966.7	853.3	756.2	809.0	948.1	999.1	1053.0	1097.4
40°	1513.6	1483.6	1388.3	1183.2	1006.9	909.7	916.3	1045.2	1135.8	1203.6	1212.5
42.5°	1765.4	1752.9	1612.5	1381.1	1205.4	1110.6	1081.8	1145.4	1265.3	1310.3	1337.9
45°	2006.5	1987.9	1868.6	1606.5	1417.6	1311.5	1271.9	1272.5	1390.7	1438.6	1478.2
47.5°	2187.0	2157.0	2092.9	1814.0	1684.5	1531.0	1448.8	1417.6	1532.8	1595.1	1617.3
50°	2375.9	2326.7	2275.8	2048.5	1914.8	1781.6	1624.5	1589.7	1673.1	1742.7	1760.7
52.5°	2502.5	2431.1	2395.7	2215.8	2121.1	2036.5	1800.2	1761.3	1820.6	1902.8	1888.4
55°	2438.3	2416.1	2454.5	2360.3	2268.6	2175.0	1991.5	1959.7	1975.3	2044.3	2010.1
57.5°	2304.6	2311.2	2424.5	2442.5	2401.1	2313.0	2163.0	2157.6	2125.9	2182.2	2137.8
60°	2164.8	2189.4	2347.1	2437.1	2467.1	2437.7	2344.1	2304.6	2276.4	2316.0	2281.2
62.5°	1977.7	1982.5	2194.2	2389.1	2441.9	2534.8	2470.7	2451.5	2393.3	2452.1	2437.7
65°	1742.7	1748.7	1947.8	2224.2	2366.3	2553.4	2569.6	2590.0	2545.0	2561.2	2606.8
67.5°	1480.0	1491.4	1665.3	1932.2	2203.8	2516.8	2651.8	2690.8	2687.2	2682.4	2727.3
70°	1198.2	1206.0	1347.5	1581.3	1941.2	2416.1	2727.9	2777.7	2791.5	2757.9	2726.1
72°	766.4	804.2	991.3	1211.9	1643.1	2263.2	2762.1	2809.5	2833.5	2753.1	2525.2
72.5°	602.1	632.1	915.7	1110.6	1541.2	2227.8	2755.5	2798.7	2820.9	2726.7	2440.1
75°	129.5	133.1	286.6	539.7	972.1	1706.7	2527.0	2532.4	2556.4	2375.9	1670.7
77.5°	55.8	56.4	79.8	178.1	349.0	872.5	1749.3	1799.0	1797.2	1537.6	807.8
80°	39.0	40.2	47.4	81.6	166.1	252.5	854.5	859.9	740.0	549.9	201.5
82.5°	20.4	21.6	33.6	48.6	112.7	92.4	276.5	278.8	205.7	129.5	46.8
85°	3.6	5.4	16.2	29.4	43.8	37.2	60.6	76.2	66.0	51.6	19.8
87.5°	0.6	0.6	4.2	4.2	6.0	3.6	6.0	6.6	7.2	10.8	5.4
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: P416098

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-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°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	55.2	74.4	79.2	84.6
10°	1.8	2.4	1.8	1.8	1.2	75.6	92.9	94.1	95.3	95.3	94.7
12.5°	76.2	78.0	27.6	5.4	70.2	95.9	91.2	83.4	76.2	73.8	73.2
15°	163.1	163.7	148.1	127.7	136.1	90.6	71.4	81.0	82.2	79.2	79.2
17.5°	175.7	175.7	167.9	205.1	172.1	90.6	75.0	61.8	52.8	50.4	49.8
20°	347.8	304.6	246.5	208.1	140.3	101.3	52.8	45.0	43.8	43.8	45.6
22.5°	375.4	370.0	320.8	280.6	120.5	71.4	51.6	51.6	61.2	60.0	59.4
25°	489.9	482.7	363.4	244.1	120.5	61.2	65.4	57.6	56.4	55.2	54.0
27.5°	619.5	604.5	510.9	220.7	85.2	64.2	62.4	54.6	64.8	64.8	64.2
30°	705.2	648.9	514.5	197.9	72.0	68.4	58.8	63.6	57.6	54.0	54.0
32.5°	913.9	888.1	629.1	139.7	68.4	61.8	61.8	54.6	48.6	50.4	49.8
35°	979.9	946.3	560.1	104.9	63.0	57.0	51.6	48.0	41.4	37.2	36.6
37.5°	1061.4	1017.7	470.1	81.0	61.8	50.4	42.6	36.6	31.8	31.8	31.2
40°	1161.6	1095.0	384.4	69.0	54.6	43.2	33.0	28.2	25.2	23.4	22.8
42.5°	1271.3	1168.2	295.6	62.4	47.4	35.4	24.6	20.4	18.6	18.0	18.0
45°	1387.1	1235.9	212.3	57.0	41.4	27.6	18.0	14.4	13.8	13.8	13.8
47.5°	1505.2	1285.1	144.5	51.6	34.8	20.4	13.2	10.8	10.8	10.2	10.2
50°	1620.9	1318.7	99.5	46.2	28.2	14.4	9.6	9.0	9.0	8.4	8.4
52.5°	1704.9	1310.9	74.4	40.2	22.2	10.8	7.8	7.2	7.2	7.2	7.2
55°	1786.4	1293.5	61.2	34.2	16.8	7.8	6.0	5.4	5.4	5.4	5.4
57.5°	1870.4	1270.1	52.8	27.6	12.0	6.0	4.2	4.2	4.2	4.2	4.2
60°	1940.0	1224.5	45.6	22.2	8.4	4.2	3.6	3.0	3.0	3.0	3.0
62.5°	2017.3	1178.4	39.0	16.8	6.0	3.0	2.4	1.8	1.8	1.2	1.8
65°	2072.5	1122.0	31.8	12.0	4.2	2.4	1.8	1.2	0.6	0.0	0.6
67.5°	2071.3	1047.0	22.8	7.8	3.0	1.8	1.2	0.6	0.0	0.0	0.0
70°	1980.7	939.7	15.6	5.4	2.4	1.2	1.2	0.6	0.0	0.0	0.0
72°	1748.1	758.0	12.0	4.8	2.4	1.2	1.2	0.6	0.0	0.0	0.0
72.5°	1666.5	695.6	10.8	4.2	2.4	1.2	1.2	0.6	0.0	0.0	0.0
75°	1058.4	289.6	8.4	3.6	2.4	1.2	1.2	0.6	0.6	0.6	0.0
77.5°	491.7	106.1	6.0	3.0	1.8	1.2	1.2	0.6	0.6	1.2	0.0
80°	107.3	31.2	4.2	3.0	1.8	1.2	1.2	1.2	1.2	1.8	0.0
82.5°	24.6	10.2	3.6	2.4	1.8	1.2	1.2	1.2	1.2	1.8	0.0
85°	9.0	6.0	3.6	3.0	2.4	1.2	1.2	1.8	1.8	2.4	0.0
87.5°	3.6	3.6	3.0	3.0	2.4	1.2	1.8	1.8	2.4	2.4	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)