

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: P415422

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415422
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-PA1-50-727-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 4155 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 54
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

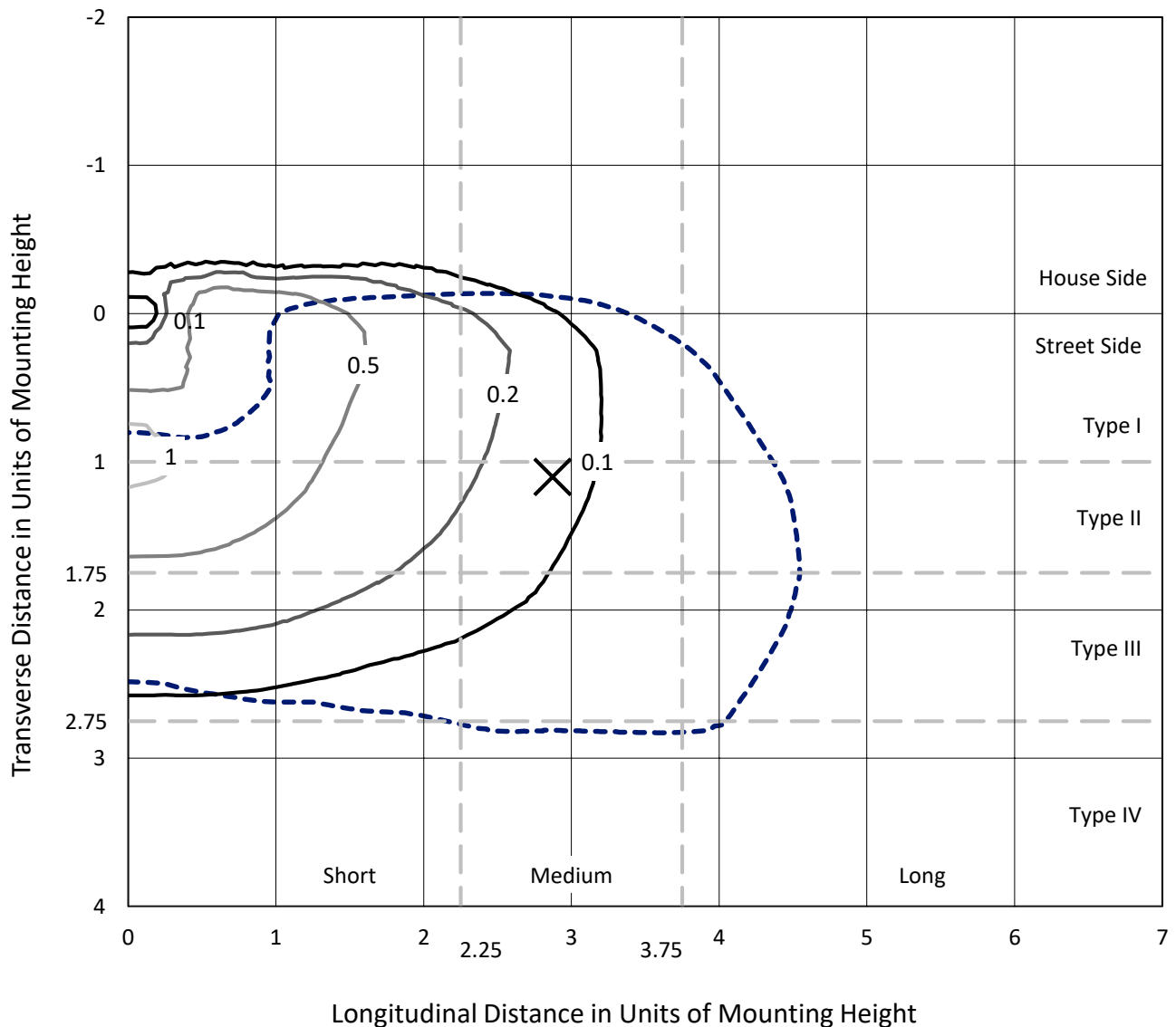


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

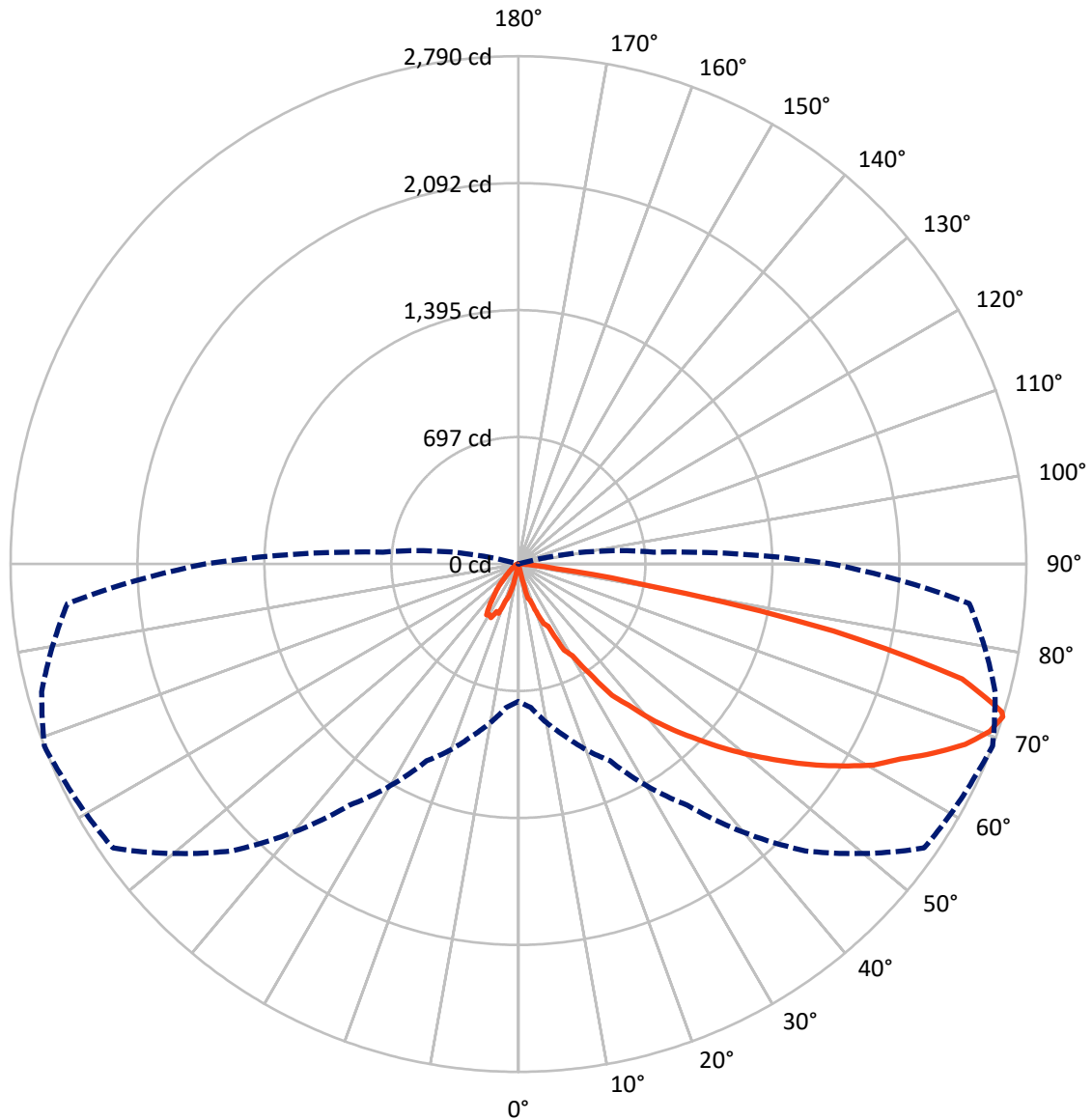


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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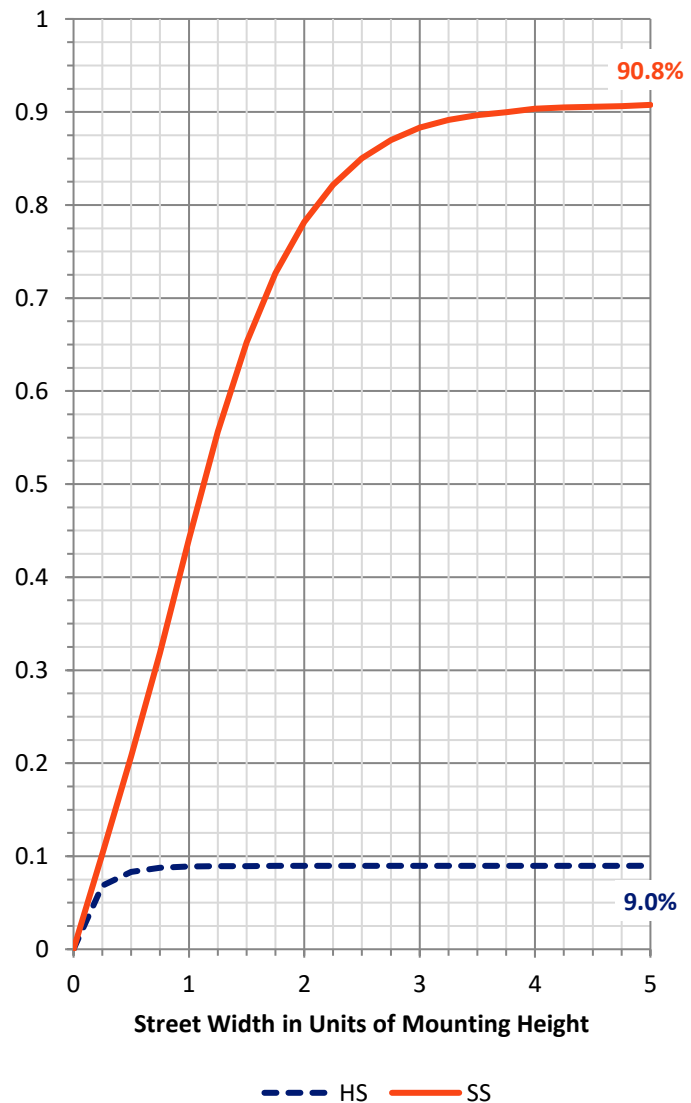
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	376.8	0.0	376.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3778.2	0.0	3778.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	4155.0	0.0	4155.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	36.1	0.9
20°-30°	129.4	3.1
30°-40°	330.5	8.0
40°-50°	654.0	15.7
50°-60°	1030.7	24.8
60°-70°	1198.8	28.9
70°-80°	727.7	17.5
80°-90°	45.0	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°	4155.0	100.0
0°-180°	4155.0	100.0



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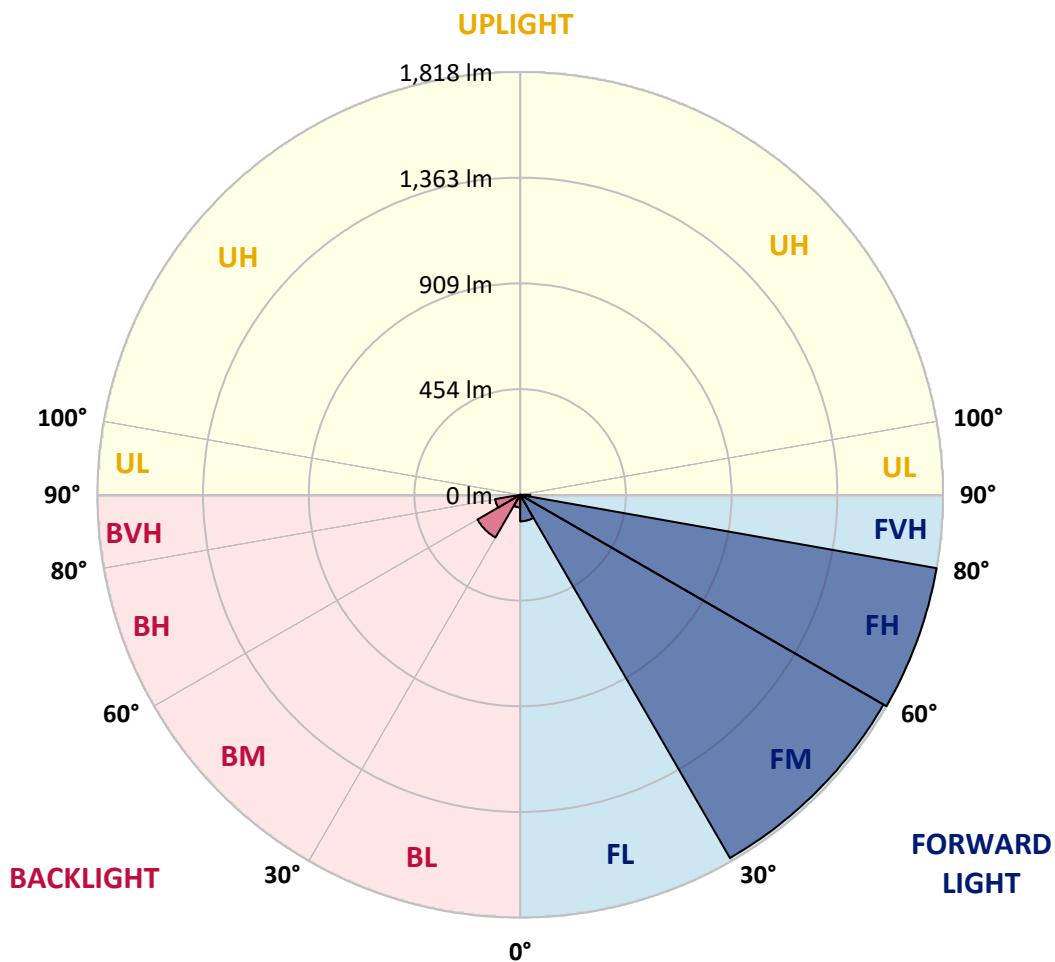
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.1	2.7			
FM	(30°-60°)	1803.1	43.4			
FH	(60°-80°)	1817.5	43.7			G2/5000
FVH	(80°-90°)	43.5	1.0			G1/100
BL	(0°-30°)	54.1	1.3	B0/110		
BM	(30°-60°)	212.1	5.1	B0/220		
BH	(60°-80°)	109.0	2.6	B0/110		G0/110
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: B0-U0-G2

Type IV Medium





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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°	57.9	37.8	28.3	23.6	11.8	3.0	1.8	1.8	1.8	1.8	1.8
7.5°	89.2	89.2	89.7	90.3	92.1	77.3	16.5	1.8	1.8	1.8	1.8
10°	86.2	85.6	85.6	86.8	89.2	91.5	93.9	12.4	3.0	1.8	1.8
12.5°	168.3	166.5	154.7	108.1	88.6	89.7	94.5	72.0	20.1	11.8	67.9
15°	166.5	165.9	167.1	170.0	171.2	95.7	139.9	190.1	194.3	131.1	158.8
17.5°	181.9	176.5	168.3	169.5	174.8	205.5	197.8	206.1	210.2	147.0	171.8
20°	251.5	250.9	252.1	197.8	184.8	260.4	229.1	223.8	278.1	291.1	323.0
22.5°	256.8	255.7	257.4	263.3	295.8	272.2	331.8	339.5	355.4	393.2	369.0
25°	359.6	359.6	295.2	275.1	337.1	307.6	410.9	386.1	377.9	422.2	474.7
27.5°	434.0	429.3	413.9	384.4	350.7	435.2	437.5	527.9	535.5	589.3	599.3
30°	549.7	543.2	502.5	479.4	435.2	457.6	510.7	627.6	585.1	628.2	671.9
32.5°	813.6	804.2	752.8	604.0	548.5	496.0	612.3	673.7	715.6	832.5	880.3
35°	1053.9	992.5	922.3	808.9	664.8	644.8	660.7	835.5	885.1	921.1	969.5
37.5°	1296.0	1297.2	1226.9	951.8	840.2	744.5	796.5	933.5	983.7	1036.8	1080.5
40°	1490.3	1460.7	1366.9	1164.9	991.3	895.7	902.2	1029.1	1118.3	1185.0	1193.9
42.5°	1738.3	1725.9	1587.7	1359.8	1186.8	1093.5	1065.2	1127.7	1245.8	1290.1	1317.3
45°	1975.6	1957.3	1839.8	1581.8	1395.8	1291.3	1252.3	1252.9	1369.2	1416.5	1455.4
47.5°	2153.3	2123.8	2060.6	1786.1	1658.5	1507.4	1426.5	1395.8	1509.2	1570.6	1592.4
50°	2339.3	2290.9	2240.7	2016.9	1885.3	1754.2	1599.5	1565.3	1647.3	1715.8	1733.5
52.5°	2463.9	2393.6	2358.8	2181.7	2088.4	2005.1	1772.5	1734.1	1792.6	1873.5	1859.3
55°	2400.7	2378.9	2416.7	2324.0	2233.6	2141.5	1960.9	1929.6	1944.9	2012.8	1979.2
57.5°	2269.1	2275.6	2387.1	2404.9	2364.1	2277.3	2129.7	2124.4	2093.1	2148.6	2104.9
60°	2131.5	2155.7	2311.0	2399.5	2429.1	2400.1	2308.0	2269.1	2241.3	2280.3	2246.0
62.5°	1947.3	1952.0	2160.4	2352.3	2404.3	2495.8	2432.6	2413.7	2356.4	2414.3	2400.1
65°	1715.8	1721.7	1917.7	2189.9	2329.9	2514.1	2530.0	2550.1	2505.8	2521.8	2566.6
67.5°	1457.2	1468.4	1639.7	1902.4	2169.9	2478.1	2610.9	2649.3	2645.8	2641.0	2685.3
70°	1179.7	1187.4	1326.7	1557.0	1911.3	2378.9	2685.9	2734.9	2748.5	2715.4	2684.1
72°	754.6	791.8	976.0	1193.3	1617.8	2228.3	2719.6	2766.2	2789.8	2710.7	2486.3
72.5°	592.8	622.3	901.6	1093.5	1517.4	2193.5	2713.1	2755.6	2777.4	2684.7	2402.5
75°	127.5	131.1	282.2	531.4	957.1	1680.4	2488.1	2493.4	2517.0	2339.3	1645.0
77.5°	54.9	55.5	78.5	175.4	343.6	859.1	1722.3	1771.3	1769.5	1513.9	795.3
80°	38.4	39.6	46.6	80.3	163.6	248.6	841.4	846.7	728.6	541.4	198.4
82.5°	20.1	21.3	33.1	47.8	111.0	90.9	272.2	274.6	202.5	127.5	46.1
85°	3.5	5.3	15.9	28.9	43.1	36.6	59.6	75.0	64.9	50.8	19.5
87.5°	0.6	0.6	4.1	4.1	5.9	3.5	5.9	6.5	7.1	10.6	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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	54.3	73.2	77.9	83.3
10°	1.8	2.4	1.8	1.8	1.2	74.4	91.5	92.7	93.9	93.9	93.3
12.5°	75.0	76.8	27.2	5.3	69.1	94.5	89.7	82.1	75.0	72.6	72.0
15°	160.6	161.2	145.8	125.8	134.0	89.2	70.3	79.7	80.9	77.9	77.9
17.5°	173.0	173.0	165.3	201.9	169.5	89.2	73.8	60.8	52.0	49.6	49.0
20°	342.5	299.9	242.7	204.9	138.2	99.8	52.0	44.3	43.1	43.1	44.9
22.5°	369.6	364.3	315.9	276.3	118.7	70.3	50.8	50.8	60.2	59.0	58.5
25°	482.4	475.3	357.8	240.3	118.7	60.2	64.4	56.7	55.5	54.3	53.1
27.5°	609.9	595.2	503.1	217.3	83.8	63.2	61.4	53.7	63.8	63.8	63.2
30°	694.4	638.9	506.6	194.8	70.9	67.3	57.9	62.6	56.7	53.1	53.1
32.5°	899.8	874.4	619.4	137.6	67.3	60.8	60.8	53.7	47.8	49.6	49.0
35°	964.8	931.7	551.5	103.3	62.0	56.1	50.8	47.2	40.7	36.6	36.0
37.5°	1045.1	1002.0	462.9	79.7	60.8	49.6	41.9	36.0	31.3	31.3	30.7
40°	1143.7	1078.1	378.5	67.9	53.7	42.5	32.5	27.8	24.8	23.0	22.4
42.5°	1251.7	1150.2	291.1	61.4	46.6	34.8	24.2	20.1	18.3	17.7	17.7
45°	1365.7	1216.9	209.0	56.1	40.7	27.2	17.7	14.2	13.6	13.6	13.6
47.5°	1482.0	1265.3	142.3	50.8	34.2	20.1	13.0	10.6	10.6	10.0	10.0
50°	1596.0	1298.4	98.0	45.5	27.8	14.2	9.4	8.9	8.9	8.3	8.3
52.5°	1678.6	1290.7	73.2	39.6	21.8	10.6	7.7	7.1	7.1	7.1	7.1
55°	1758.9	1273.6	60.2	33.7	16.5	7.7	5.9	5.3	5.3	5.3	5.3
57.5°	1841.6	1250.6	52.0	27.2	11.8	5.9	4.1	4.1	4.1	4.1	4.1
60°	1910.1	1205.7	44.9	21.8	8.3	4.1	3.5	3.0	3.0	3.0	3.0
62.5°	1986.2	1160.2	38.4	16.5	5.9	3.0	2.4	1.8	1.8	1.2	1.8
65°	2040.6	1104.7	31.3	11.8	4.1	2.4	1.8	1.2	0.6	0.0	0.6
67.5°	2039.4	1030.9	22.4	7.7	3.0	1.8	1.2	0.6	0.0	0.0	0.0
70°	1950.2	925.2	15.4	5.3	2.4	1.2	1.2	0.6	0.0	0.0	0.0
72°	1721.1	746.3	11.8	4.7	2.4	1.2	1.2	0.6	0.0	0.0	0.0
72.5°	1640.8	684.9	10.6	4.1	2.4	1.2	1.2	0.6	0.0	0.0	0.0
75°	1042.1	285.2	8.3	3.5	2.4	1.2	1.2	0.6	0.6	0.6	0.0
77.5°	484.2	104.5	5.9	3.0	1.8	1.2	1.2	0.6	0.6	1.2	0.0
80°	105.7	30.7	4.1	3.0	1.8	1.2	1.2	1.2	1.2	1.8	0.0
82.5°	24.2	10.0	3.5	2.4	1.8	1.2	1.2	1.2	1.2	1.8	0.0
85°	8.9	5.9	3.5	3.0	2.4	1.2	1.2	1.8	1.8	2.4	0.0
87.5°	3.5	3.5	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)