

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: P414896

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3120 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

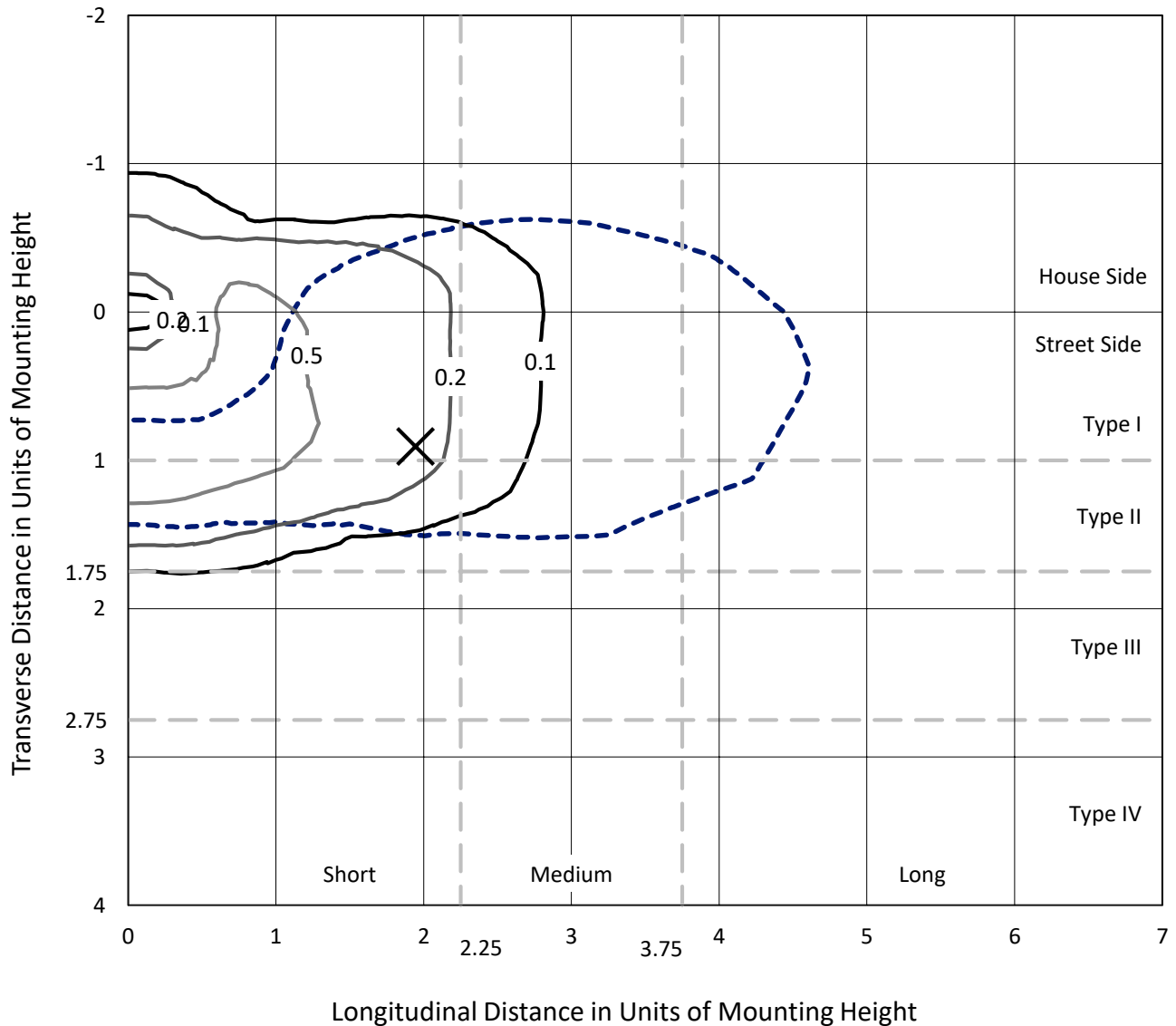
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

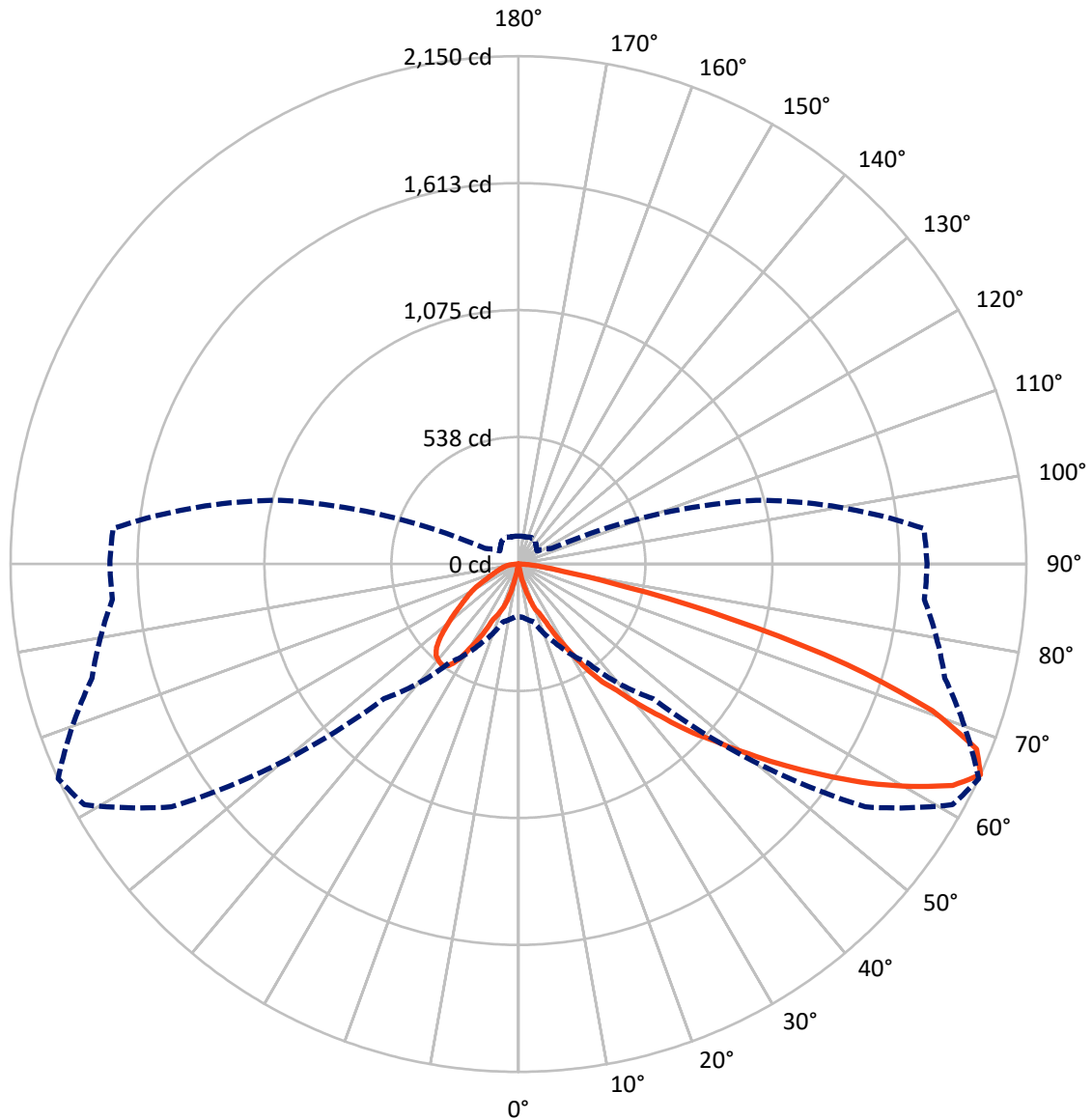
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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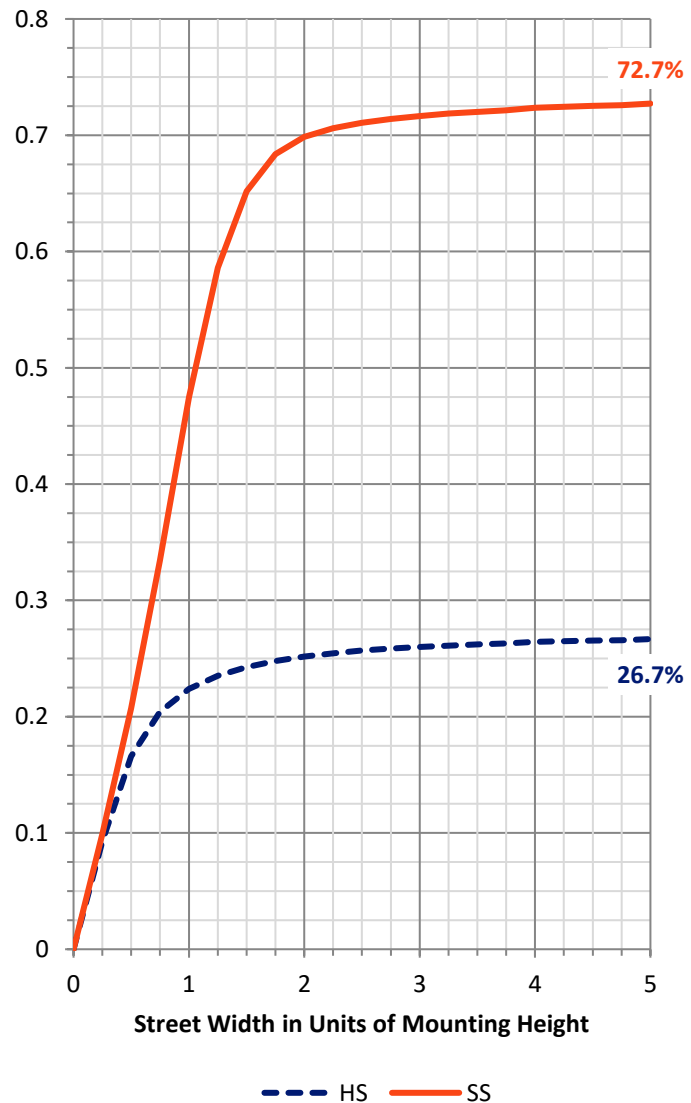
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.9	0.0	841.9
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	2278.1	0.0	2278.1
	% Fixture	73.0	0.0	73.0
Total	Lumens	3120.0	0.0	3120.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	34.5	1.1
20°-30°	132.7	4.3
30°-40°	332.1	10.6
40°-50°	618.4	19.8
50°-60°	809.7	26.0
60°-70°	725.9	23.3
70°-80°	399.3	12.8
80°-90°	65.2	2.1
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°	3120.0	100.0
0°-180°	3120.0	100.0



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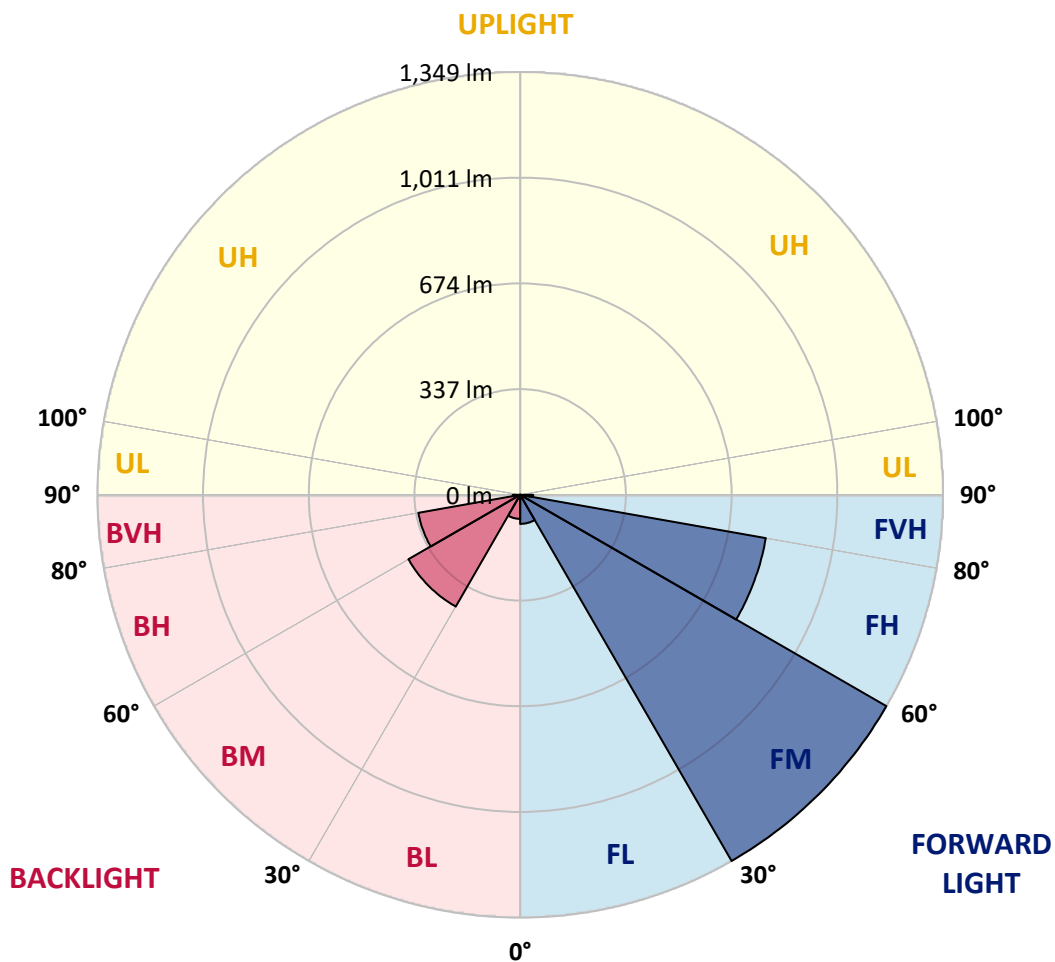
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.8	3.0			
FM (30°-60°)	1348.5	43.2			
FH (60°-80°)	795.5	25.5			G1/1800
FVH (80°-90°)	41.4	1.3			G1/100
BL (0°-30°)	76.7	2.5	B0/110		
BM (30°-60°)	411.7	13.2	B1/1000		
BH (60°-80°)	329.7	10.6	B1/500		G1/500
BVH (80°-90°)	23.8	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.7	1.7	2.0	2.4	2.4	2.0	1.7	1.3	1.0	0.7	0.7
5°	15.5	13.8	10.8	7.4	4.4	3.4	2.7	2.0	1.7	1.0	0.7
7.5°	75.6	75.3	74.9	75.3	73.6	28.9	5.4	3.4	2.7	1.3	1.0
10°	75.9	75.6	75.3	75.9	75.9	74.9	71.2	10.4	5.4	3.4	3.4
12.5°	135.1	130.3	90.0	79.3	76.6	76.6	76.6	68.5	65.2	48.0	58.1
15°	141.8	140.8	140.4	141.1	125.0	82.6	115.6	108.8	110.2	94.1	111.5
17.5°	149.2	147.5	146.1	146.5	140.8	162.3	151.8	155.2	156.6	118.9	130.3
20°	231.1	231.1	213.7	161.9	177.7	203.6	168.0	184.4	204.3	177.7	182.4
22.5°	262.4	260.0	257.7	244.2	223.4	222.1	244.2	214.0	227.1	261.0	241.2
25°	356.8	357.4	299.7	281.9	312.1	272.1	291.6	289.9	274.5	316.5	305.7
27.5°	451.5	452.9	446.5	397.4	356.8	350.1	331.9	357.8	353.8	351.1	376.3
30°	539.9	539.5	510.6	490.1	468.3	429.3	409.2	414.6	430.7	415.9	469.3
32.5°	751.2	745.5	714.6	584.5	551.0	514.3	508.6	493.5	525.8	515.3	564.7
35°	891.9	890.6	834.5	761.3	655.1	614.4	615.1	586.9	613.4	626.9	634.6
37.5°	1206.4	1201.7	1116.4	901.7	818.0	734.4	718.9	705.5	677.9	716.9	716.6
40°	1375.7	1362.3	1287.0	1145.6	960.5	859.7	827.4	798.5	778.7	801.6	798.5
42.5°	1507.4	1497.0	1443.9	1297.4	1146.3	1068.0	947.7	920.2	880.2	907.4	893.3
45°	1601.8	1596.4	1549.1	1440.2	1324.3	1266.9	1083.4	1040.4	1005.8	1002.1	993.7
47.5°	1619.9	1608.5	1594.4	1533.3	1483.9	1466.7	1251.4	1177.2	1120.0	1109.3	1095.2
50°	1534.3	1530.9	1549.4	1538.3	1598.4	1638.4	1445.2	1342.4	1262.5	1224.5	1197.3
52.5°	1335.7	1342.8	1413.7	1463.0	1612.9	1758.0	1627.3	1527.9	1418.7	1335.1	1298.4
55°	1061.3	1086.8	1191.9	1294.7	1522.5	1809.7	1800.0	1721.7	1581.0	1458.7	1404.6
57.5°	815.0	812.3	947.7	1041.1	1339.1	1775.1	1912.2	1890.0	1751.6	1587.0	1506.0
60°	528.1	525.8	685.7	805.3	1032.0	1597.8	1970.3	2028.4	1911.9	1697.9	1597.4
62.5°	344.7	359.1	419.9	589.9	737.1	1235.6	1950.8	2114.4	2064.4	1800.7	1685.1
65°	221.7	227.1	253.6	367.5	511.0	805.9	1792.9	2101.7	2150.1	1869.2	1725.1
67.5°	165.3	166.6	179.4	228.4	347.7	421.3	1407.3	1924.3	2091.9	1873.9	1712.0
70°	145.1	147.8	160.2	172.3	258.7	265.1	822.7	1547.0	1858.8	1806.4	1645.8
72.5°	124.0	126.7	143.1	160.6	197.9	198.9	307.7	1028.0	1455.3	1669.3	1539.6
75°	101.1	102.8	117.2	140.8	164.9	159.6	178.1	464.6	931.6	1387.5	1373.4
77.5°	81.6	83.0	93.4	112.2	146.1	122.3	132.7	199.2	462.9	1001.8	1112.7
80°	59.1	59.8	69.9	86.0	109.9	109.2	99.1	126.3	191.2	585.2	736.7
82.5°	37.6	37.6	48.0	56.4	72.9	107.8	69.5	85.0	106.8	291.3	354.4
85°	21.2	21.8	30.2	32.9	42.7	65.5	50.1	47.0	57.8	105.5	87.3
87.5°	4.0	5.0	8.7	9.4	11.1	15.5	18.1	16.5	17.1	24.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.7	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.0
5°	0.7	1.0	1.3	1.3	1.7	2.4	2.7	2.7	3.0	3.4	3.0
7.5°	0.7	1.0	1.3	2.0	2.7	5.4	19.5	68.9	73.9	74.9	76.3
10°	3.0	3.0	3.4	3.7	15.1	72.2	77.6	78.3	78.9	79.3	79.6
12.5°	59.1	58.5	58.1	44.7	68.9	79.6	80.6	81.3	82.3	98.1	106.2
15°	112.9	113.2	107.5	103.1	119.9	87.3	93.1	143.8	148.8	150.5	151.5
17.5°	129.3	135.1	119.9	159.2	157.9	133.0	146.5	154.2	154.9	155.9	156.2
20°	183.8	182.4	174.7	199.6	171.0	218.7	181.4	156.2	196.5	216.3	216.7
22.5°	238.5	238.9	227.8	230.5	245.9	225.1	181.7	206.3	211.3	211.0	210.0
25°	307.4	304.7	299.3	256.3	290.3	244.9	241.9	199.9	200.6	216.7	227.1
27.5°	375.9	369.2	348.0	332.3	301.3	272.5	228.4	216.3	233.1	232.1	232.5
30°	470.7	460.2	401.8	399.8	319.8	269.8	232.5	215.3	209.6	211.0	210.3
32.5°	565.4	546.6	493.8	476.7	341.0	251.3	213.3	198.9	215.3	217.7	216.3
35°	623.9	608.4	590.3	522.1	343.3	231.5	193.2	196.5	195.5	194.5	195.2
37.5°	692.1	666.9	651.1	537.5	323.9	206.6	184.1	181.4	197.5	197.9	196.5
40°	768.3	739.8	704.5	530.5	279.5	187.1	171.0	179.7	180.7	176.7	175.7
42.5°	854.3	812.7	760.2	521.1	231.8	175.7	166.0	167.0	167.6	163.3	161.6
45°	941.0	892.3	808.0	494.8	197.2	164.3	158.2	157.9	154.5	150.5	149.5
47.5°	1038.1	981.0	847.3	449.2	172.7	155.5	153.2	146.8	147.8	144.1	143.8
50°	1138.2	1076.7	869.8	394.4	156.6	148.2	144.1	142.1	144.8	140.4	139.8
52.5°	1236.3	1184.9	905.4	345.4	142.8	141.8	140.1	140.8	141.8	137.1	136.7
55°	1342.8	1305.8	938.0	298.7	130.7	133.0	138.7	138.4	138.1	133.7	133.7
57.5°	1440.5	1422.4	971.2	262.7	121.3	125.3	135.7	135.7	134.0	130.3	130.0
60°	1554.1	1540.7	1002.8	230.5	113.2	118.3	132.0	132.4	129.3	126.7	126.0
62.5°	1657.2	1647.1	1028.0	196.5	104.5	112.2	126.7	129.0	124.6	122.6	122.6
65°	1729.8	1722.7	1041.8	154.5	96.1	106.2	120.9	124.3	118.6	118.3	118.3
67.5°	1736.2	1731.8	1013.2	129.0	90.0	100.4	113.9	117.2	112.2	113.2	111.2
70°	1676.7	1644.8	932.3	107.5	84.0	93.1	105.5	109.5	104.5	104.8	101.5
72.5°	1551.1	1459.0	789.1	91.4	77.3	85.0	96.4	100.1	95.4	94.4	90.7
75°	1339.8	1197.7	549.3	79.3	70.2	76.3	85.3	89.0	86.0	81.0	80.0
77.5°	1037.7	877.8	336.6	68.5	63.8	67.2	73.9	75.9	72.9	66.9	65.8
80°	654.1	526.4	162.3	59.5	55.4	57.1	61.5	63.2	60.8	54.8	51.4
82.5°	299.7	227.4	85.7	48.0	45.0	45.0	49.4	48.0	46.0	40.3	32.6
85°	69.9	71.9	39.6	29.6	28.6	25.5	29.6	29.2	26.2	20.2	16.8
87.5°	11.4	12.8	10.1	9.1	7.4	5.7	6.4	5.4	4.7	2.4	1.0
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)