

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: P414914

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
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-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3098 lumens
Efficiency: N/A
Efficacy: 99.9 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 - G1

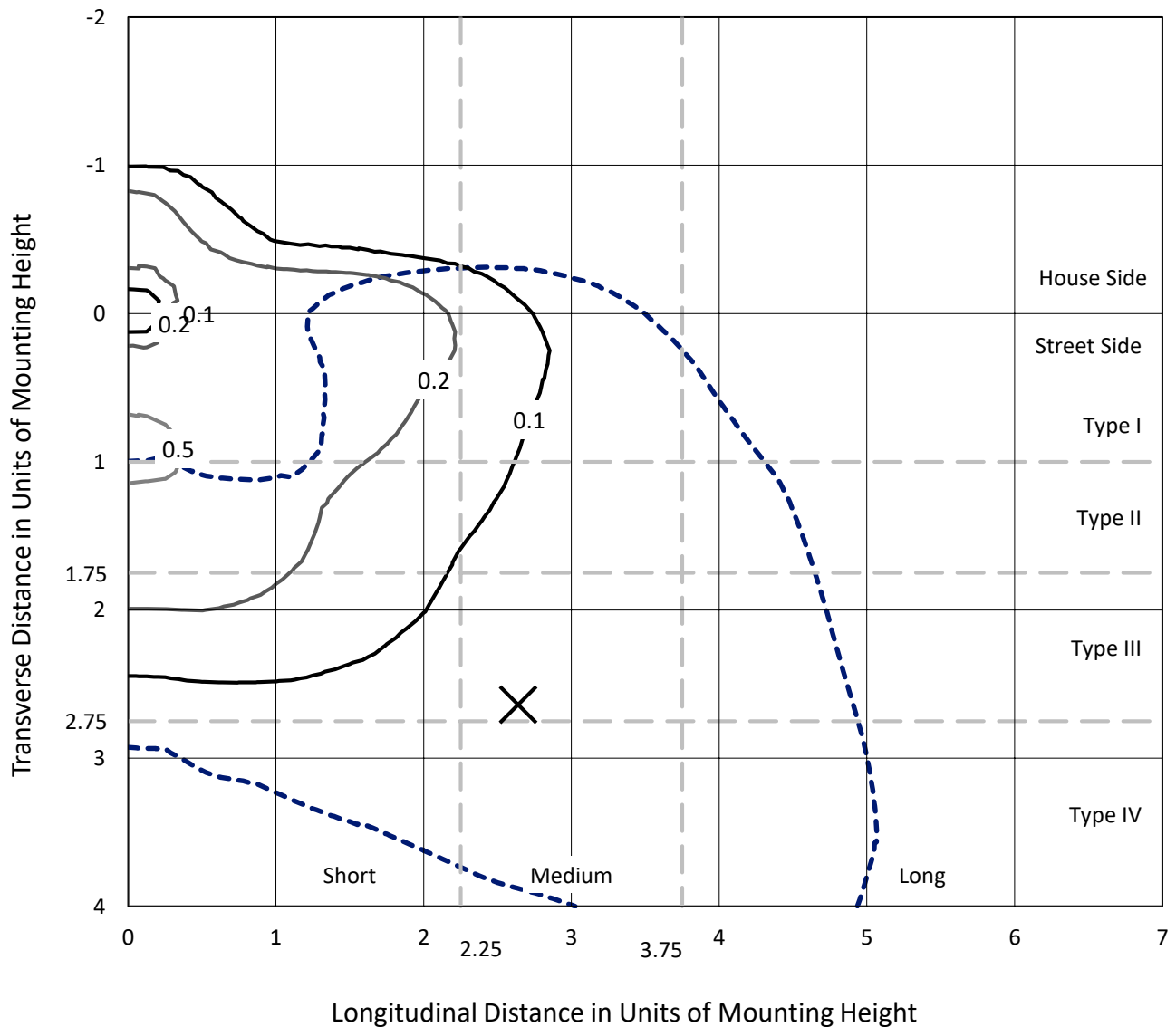
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

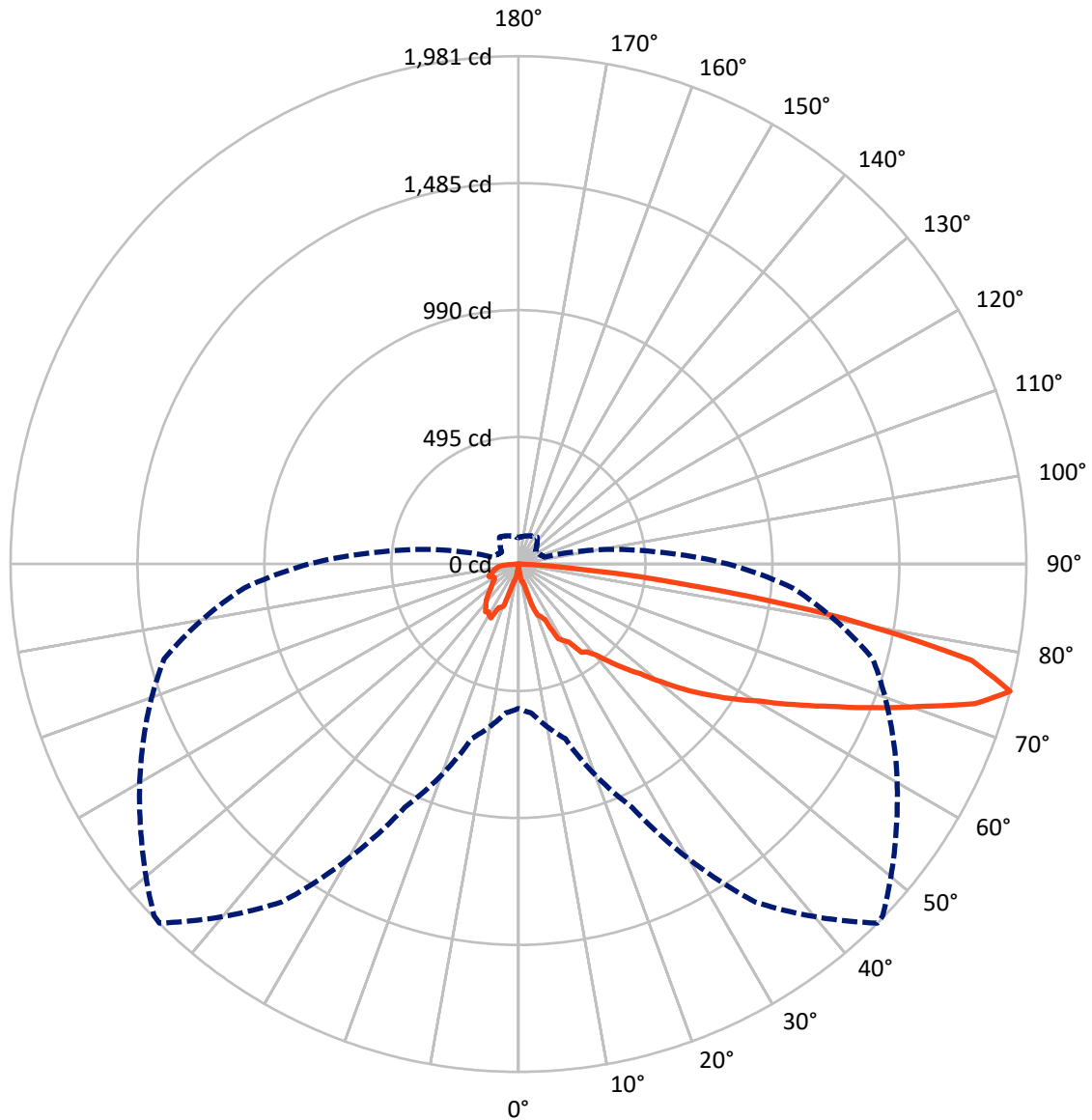


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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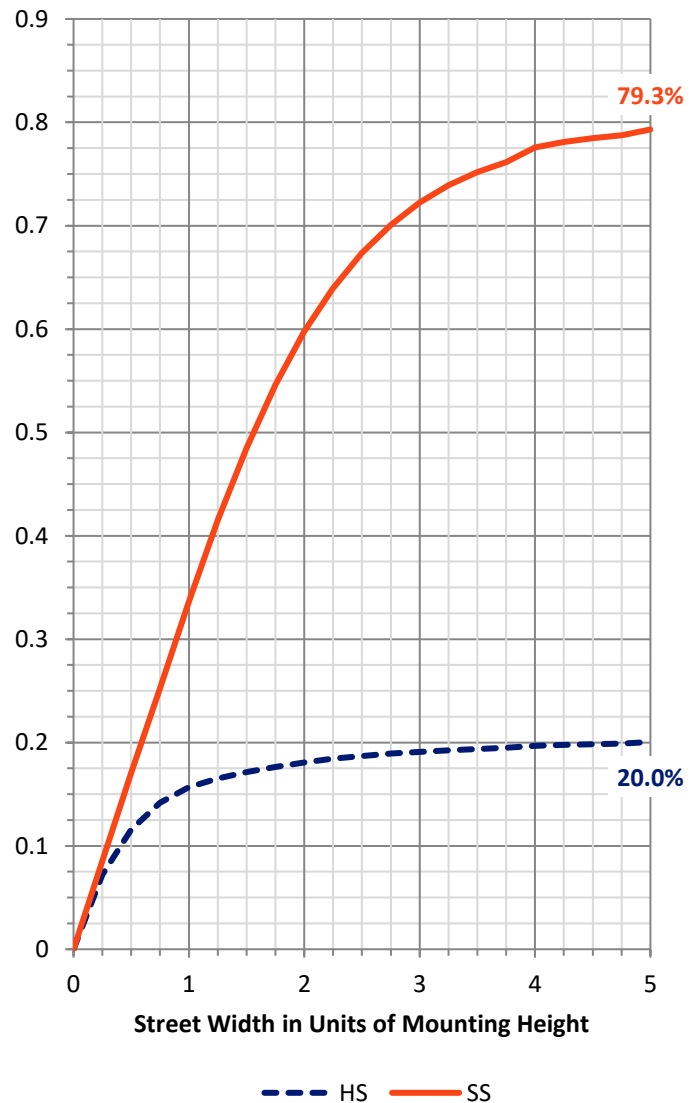
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	635.4	0.0	635.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2462.6	0.0	2462.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	3098.0	0.0	3098.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	32.0	1.0
20°-30°	119.0	3.8
30°-40°	245.3	7.9
40°-50°	388.9	12.6
50°-60°	614.8	19.8
60°-70°	863.7	27.9
70°-80°	719.0	23.2
80°-90°	113.4	3.7
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°	3098.0	100.0
0°-180°	3098.0	100.0



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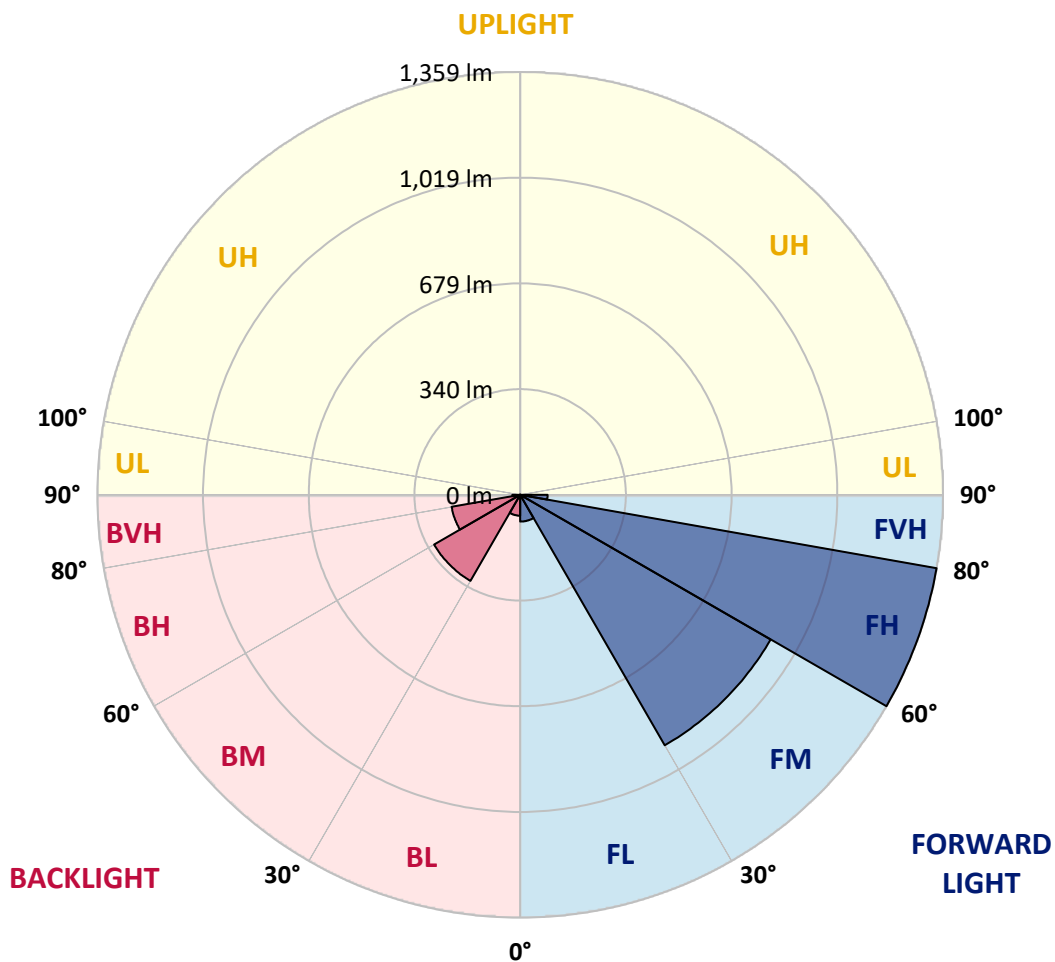
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.0	2.8			
FM	(30°-60°)	929.5	30.0			
FH	(60°-80°)	1359.0	43.9			G1/1800
FVH	(80°-90°)	88.0	2.8			G1/100
BL	(0°-30°)	67.0	2.2	B0/110		
BM	(30°-60°)	319.3	10.3	B1/1000		
BH	(60°-80°)	223.7	7.2	B1/500		G1/500
BVH	(80°-90°)	25.3	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.3	1.3	1.0	1.3	1.3	1.3
5°	23.9	22.5	17.8	15.8	13.1	5.4	4.4	2.0	1.7	1.7	1.3
7.5°	70.9	70.2	69.2	66.9	63.8	40.0	34.6	12.4	2.4	1.7	1.3
10°	78.3	76.9	75.3	72.9	70.2	66.9	66.5	61.1	11.1	3.7	3.0
12.5°	153.9	151.2	126.3	91.4	75.6	71.6	71.6	69.2	50.1	17.5	41.0
15°	165.3	164.0	159.3	153.2	144.1	83.0	81.3	108.2	133.4	93.4	99.1
17.5°	185.8	182.8	168.3	160.9	154.2	167.3	166.3	154.9	146.2	103.5	111.2
20°	259.0	257.4	251.3	180.1	166.0	211.7	212.3	175.7	158.9	183.1	181.8
22.5°	265.1	264.8	260.4	249.6	263.1	222.1	222.4	233.5	232.2	242.9	220.4
25°	346.7	345.7	280.5	257.4	287.3	239.2	250.0	289.6	258.7	263.4	275.2
27.5°	355.8	355.1	351.4	335.3	297.3	329.6	329.6	299.4	329.6	345.1	347.1
30°	404.5	391.8	365.9	358.2	346.4	346.1	347.1	346.7	381.3	361.2	381.3
32.5°	475.8	473.1	463.7	388.4	385.0	362.9	374.3	400.5	398.1	459.3	485.5
35°	578.6	541.9	508.7	448.2	399.8	422.7	424.4	415.3	463.7	483.2	520.1
37.5°	722.0	712.0	664.9	504.7	445.5	434.4	435.4	465.0	492.9	514.4	555.7
40°	826.5	821.2	788.6	617.9	488.5	466.4	468.7	487.9	513.7	552.0	595.0
42.5°	926.7	926.7	907.5	714.6	580.9	520.8	519.1	523.1	541.6	581.9	653.2
45°	991.8	988.1	1004.3	805.7	649.8	579.2	572.9	571.9	578.6	626.3	731.1
47.5°	1057.4	1047.3	1062.7	897.8	739.8	639.7	640.4	628.0	637.0	710.3	837.6
50°	1126.6	1128.6	1126.6	975.4	828.2	722.0	716.3	700.5	718.7	808.7	956.9
52.5°	1225.3	1218.3	1198.5	1074.2	941.1	813.4	804.4	781.5	824.2	924.6	1106.1
55°	1297.2	1290.5	1285.2	1180.0	1027.8	901.8	896.4	871.2	951.2	1041.6	1260.0
57.5°	1375.5	1367.5	1382.9	1324.5	1163.9	994.2	987.1	971.7	1081.5	1174.9	1416.5
60°	1428.3	1428.6	1471.0	1428.6	1277.4	1086.6	1079.9	1091.3	1200.8	1297.2	1585.5
62.5°	1428.3	1439.4	1532.4	1542.5	1399.1	1207.2	1195.4	1201.8	1330.5	1425.6	1724.3
65°	1292.9	1306.7	1523.7	1575.4	1521.0	1337.6	1331.9	1327.8	1453.1	1527.1	1833.1
67.5°	1154.8	1171.9	1391.3	1577.1	1620.8	1495.8	1475.0	1441.1	1559.0	1602.7	1891.6
70°	1059.0	1073.1	1247.5	1523.0	1685.3	1661.8	1648.0	1558.6	1629.9	1650.7	1825.8
72.5°	903.5	904.8	1060.0	1408.8	1728.7	1862.4	1830.1	1689.0	1669.9	1619.5	1548.2
75°	563.1	583.6	704.6	1045.6	1609.0	1980.6	1974.6	1798.5	1612.7	1431.0	1073.5
77.5°	209.7	221.8	294.7	536.9	1151.4	1806.6	1812.0	1679.6	1364.1	1036.9	576.6
80°	68.2	73.2	97.4	173.0	511.4	1285.8	1327.8	1191.4	836.6	526.8	242.9
82.5°	38.0	36.6	56.4	89.7	218.4	666.3	693.8	572.9	394.4	220.4	90.7
85°	17.5	18.1	26.9	48.7	116.6	185.8	200.6	195.9	149.5	90.7	33.3
87.5°	3.7	4.4	6.0	11.4	18.1	15.8	11.4	20.2	29.2	21.5	5.7
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.3	1.3	1.0	1.0	0.7	0.7	0.3	0.3	0.7	0.7	0.7
5°	1.3	1.3	1.0	1.0	1.0	1.0	1.3	2.4	2.7	3.0	2.7
7.5°	1.3	1.3	1.3	1.3	1.7	3.4	15.8	48.4	51.4	52.4	53.8
10°	3.0	2.7	2.7	3.0	10.4	50.7	61.1	64.5	66.2	67.2	66.9
12.5°	46.7	46.4	17.1	10.4	48.7	64.2	65.9	67.9	71.2	74.6	73.2
15°	98.8	98.4	90.7	94.1	94.7	69.9	71.2	116.6	124.3	129.4	131.0
17.5°	107.5	108.5	105.5	130.0	133.1	105.8	118.6	130.0	132.7	134.4	134.7
20°	199.6	179.4	153.5	145.5	141.8	174.7	132.4	133.7	172.7	185.1	186.5
22.5°	219.4	217.7	203.6	209.7	177.1	182.1	171.4	180.8	198.2	201.9	201.9
25°	283.2	280.2	232.5	218.4	224.8	187.1	216.4	196.9	203.3	210.0	210.7
27.5°	348.1	344.4	310.5	245.6	222.8	236.2	219.7	237.5	257.0	266.4	266.8
30°	378.3	373.3	323.9	276.9	231.8	231.2	230.8	262.7	261.1	267.1	268.8
32.5°	502.6	494.6	413.9	272.2	240.6	219.7	244.9	255.7	294.0	312.8	314.8
35°	532.9	522.8	416.0	301.0	227.1	226.5	227.1	262.4	283.2	296.7	299.7
37.5°	567.5	553.7	411.2	282.2	232.5	211.0	216.0	236.9	282.2	312.5	314.8
40°	610.5	589.3	409.9	263.4	216.7	199.6	198.6	226.5	246.6	265.1	266.8
42.5°	670.0	636.0	407.9	243.9	198.2	185.8	187.5	199.6	215.7	214.0	216.7
45°	748.9	694.2	404.5	226.8	179.4	168.7	167.7	176.4	183.8	173.0	170.0
47.5°	847.7	766.1	409.9	210.3	161.9	151.9	152.2	155.9	157.2	145.5	142.8
50°	959.9	847.4	415.6	192.2	147.8	140.1	138.4	139.8	137.8	126.3	125.3
52.5°	1093.6	942.8	418.6	175.0	136.4	130.4	128.3	127.3	124.3	116.6	115.6
55°	1248.5	1057.4	425.0	161.3	127.0	121.3	120.3	118.9	117.9	113.6	112.9
57.5°	1407.1	1183.7	421.3	147.2	117.9	112.9	114.9	117.3	119.9	118.3	117.9
60°	1552.6	1284.5	375.6	134.7	109.2	107.9	116.6	127.7	129.7	131.4	131.0
62.5°	1661.5	1335.2	298.0	124.0	103.1	108.2	129.4	144.8	142.8	138.4	137.4
65°	1699.8	1321.1	229.5	115.9	100.1	117.3	142.8	150.9	139.4	131.4	129.7
67.5°	1674.2	1251.6	177.7	109.2	98.4	125.0	147.5	145.1	132.0	126.0	123.6
70°	1543.5	1106.7	141.1	103.5	96.8	120.3	145.1	138.4	126.0	120.6	116.9
72.5°	1263.0	875.2	121.0	97.1	89.7	110.5	137.8	129.4	120.6	113.6	110.2
75°	816.8	538.3	105.2	89.7	80.3	100.1	128.3	120.6	113.2	106.2	102.8
77.5°	393.1	244.6	92.1	80.6	71.6	92.4	120.6	111.5	104.2	97.1	93.1
80°	165.6	115.6	78.6	71.6	65.2	86.7	112.2	101.8	93.4	88.4	84.0
82.5°	80.6	63.8	59.8	58.1	56.8	79.0	103.1	90.4	81.6	76.9	67.2
85°	27.2	27.6	37.0	36.0	40.0	63.2	84.3	68.5	61.1	53.1	49.7
87.5°	2.7	3.7	5.0	6.4	13.1	17.5	28.9	23.5	18.5	7.1	4.7
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)