

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: P414590

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414590
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-PA1-30-727-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA 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: 2488 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 31
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

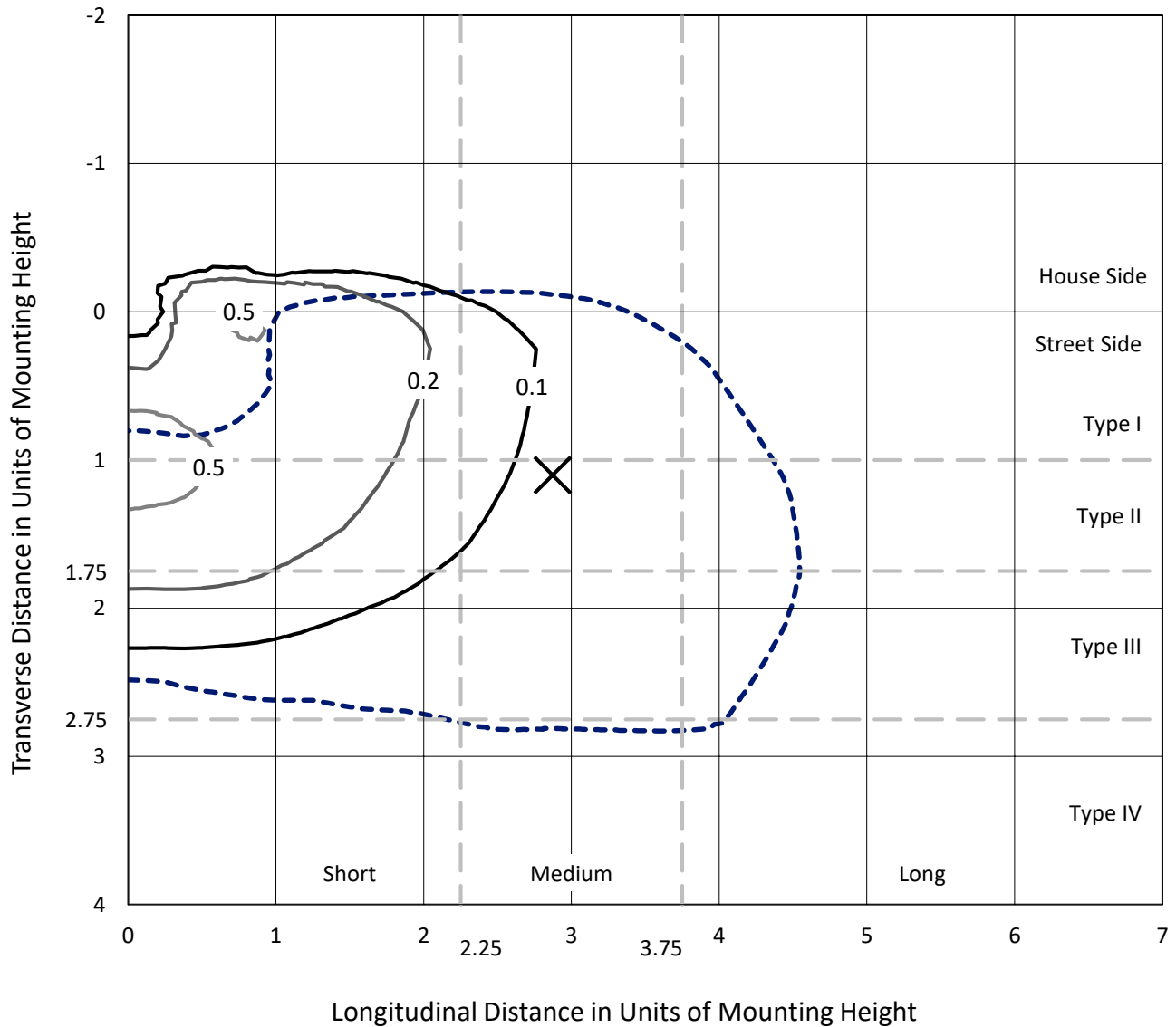


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

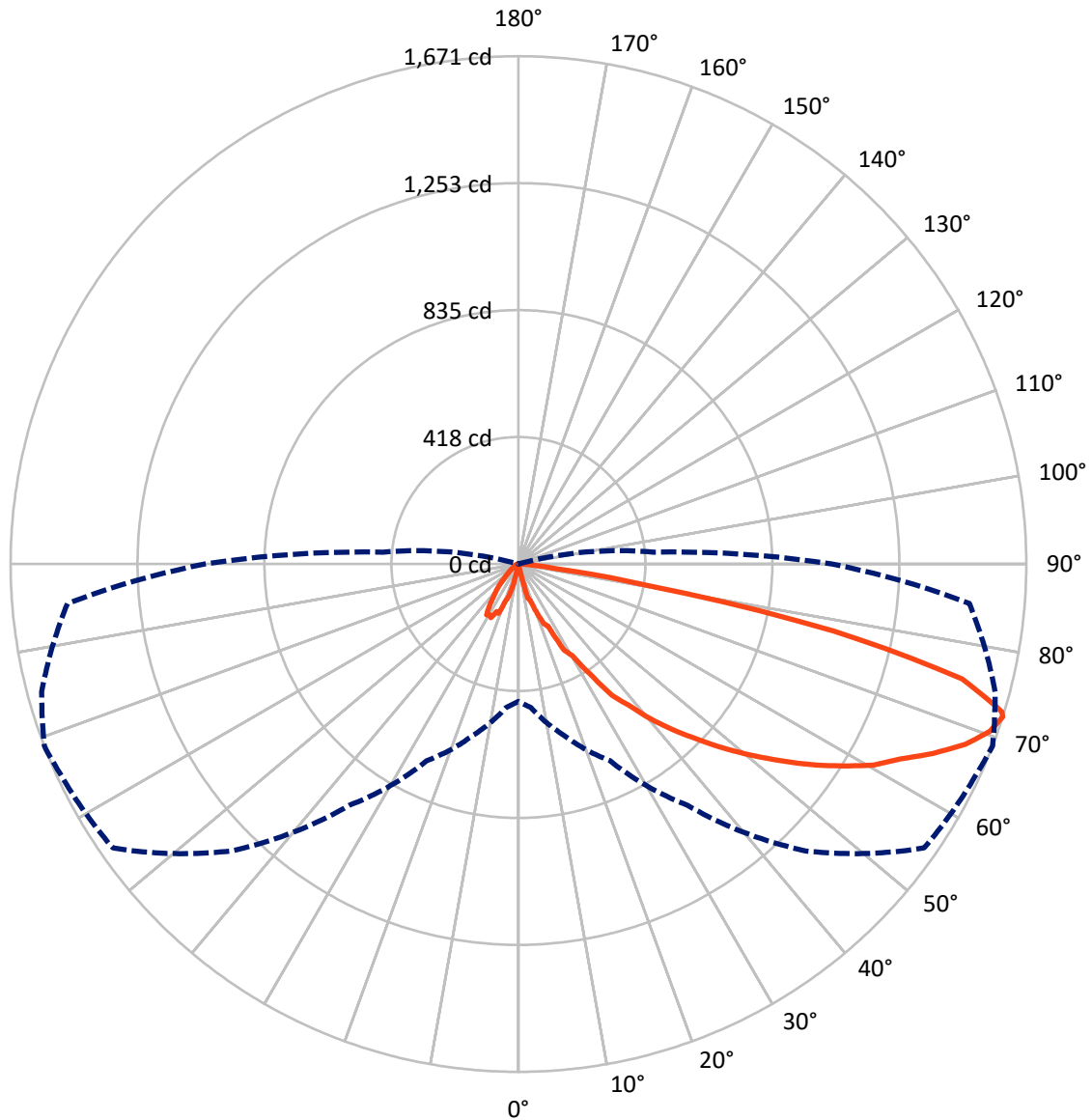


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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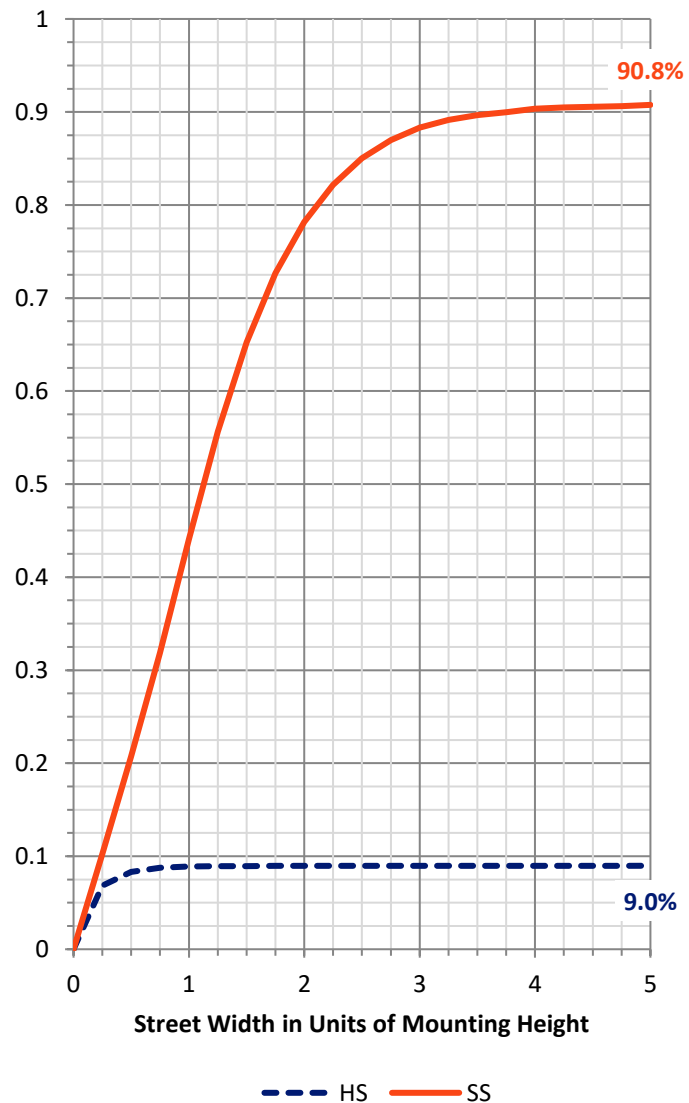
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.6	0.0	225.6
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2262.4	0.0	2262.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	2488.0	0.0	2488.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	21.6	0.9
20°-30°	77.5	3.1
30°-40°	197.9	8.0
40°-50°	391.6	15.7
50°-60°	617.2	24.8
60°-70°	717.9	28.9
70°-80°	435.8	17.5
80°-90°	27.0	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°	2488.0	100.0
0°-180°	2488.0	100.0



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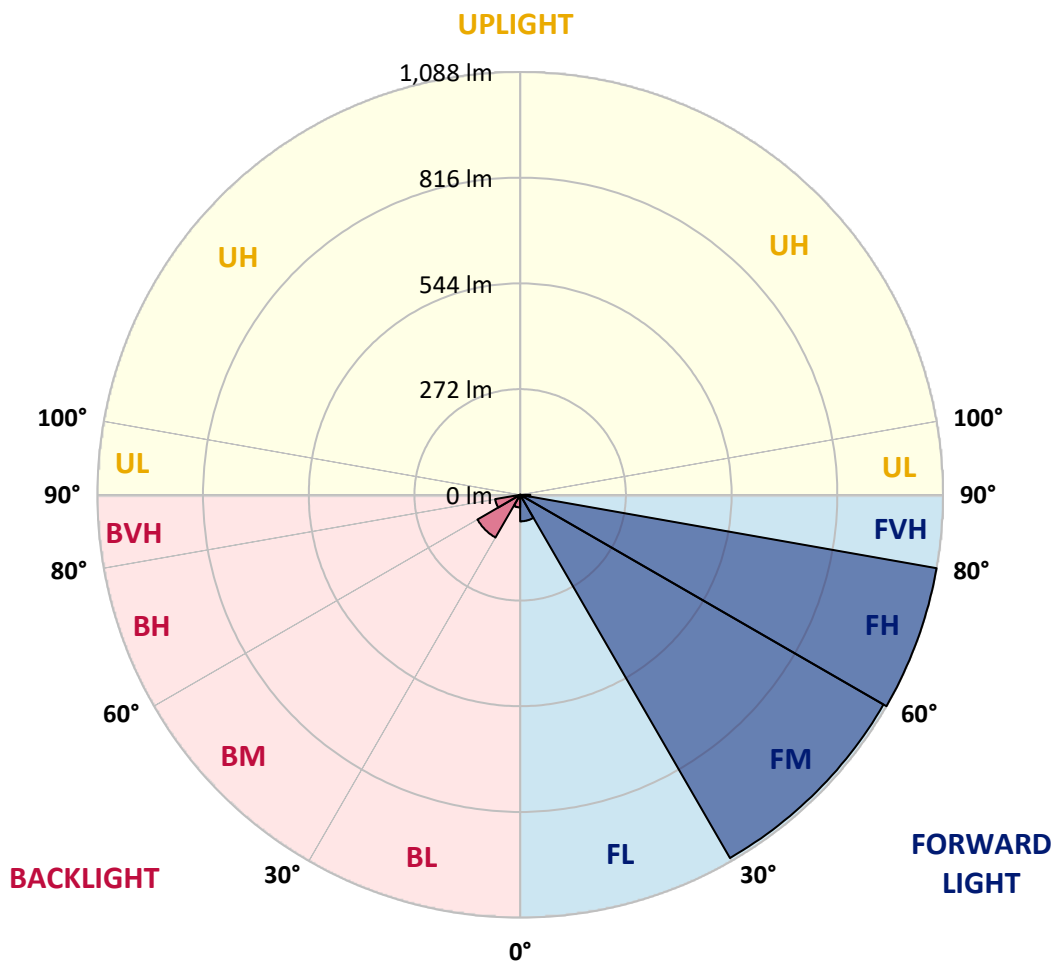
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.3	2.7			
FM	(30°-60°)	1079.7	43.4			
FH	(60°-80°)	1088.3	43.7			G1/1800
FVH	(80°-90°)	26.0	1.0			G1/100
BL	(0°-30°)	32.4	1.3	B0/110		
BM	(30°-60°)	127.0	5.1	B0/220		
BH	(60°-80°)	65.3	2.6	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.4	0.4	0.4	0.4	0.7	0.7	1.1	1.1	1.1	1.1	1.1
5°	34.6	22.6	17.0	14.1	7.1	1.8	1.1	1.1	1.1	1.1	1.1
7.5°	53.4	53.4	53.7	54.1	55.2	46.3	9.9	1.1	1.1	1.1	1.1
10°	51.6	51.3	51.3	52.0	53.4	54.8	56.2	7.4	1.8	1.1	1.1
12.5°	100.8	99.7	92.6	64.7	53.0	53.7	56.6	43.1	12.0	7.1	40.7
15°	99.7	99.3	100.1	101.8	102.5	57.3	83.8	113.8	116.3	78.5	95.1
17.5°	108.9	105.7	100.8	101.5	104.7	123.0	118.4	123.4	125.9	88.0	102.9
20°	150.6	150.3	151.0	118.4	110.7	155.9	137.2	134.0	166.5	174.3	193.4
22.5°	153.8	153.1	154.1	157.7	177.1	163.0	198.7	203.3	212.8	235.5	221.0
25°	215.3	215.3	176.8	164.8	201.9	184.2	246.1	231.2	226.3	252.8	284.3
27.5°	259.9	257.0	247.8	230.2	210.0	260.6	262.0	316.1	320.7	352.8	358.9
30°	329.2	325.3	300.9	287.1	260.6	274.0	305.8	375.8	350.4	376.2	402.3
32.5°	487.2	481.5	450.8	361.7	328.5	297.0	366.6	403.4	428.5	498.5	527.1
35°	631.1	594.3	552.3	484.4	398.1	386.1	395.6	500.3	530.0	551.5	580.5
37.5°	776.1	776.8	734.7	569.9	503.1	445.8	476.9	559.0	589.0	620.8	647.0
40°	892.4	874.7	818.5	697.6	593.6	536.3	540.2	616.2	669.6	709.6	714.9
42.5°	1040.9	1033.4	950.7	814.2	710.6	654.8	637.8	675.3	746.0	772.5	788.8
45°	1183.0	1172.0	1101.7	947.2	835.8	773.2	749.9	750.2	819.9	848.2	871.5
47.5°	1289.4	1271.7	1233.9	1069.5	993.1	902.6	854.2	835.8	903.7	940.5	953.5
50°	1400.8	1371.8	1341.7	1207.7	1128.9	1050.4	957.8	937.3	986.4	1027.4	1038.0
52.5°	1475.4	1433.3	1412.4	1306.4	1250.5	1200.7	1061.4	1038.4	1073.4	1121.8	1113.3
55°	1437.5	1424.5	1447.1	1391.6	1337.5	1282.3	1174.2	1155.4	1164.6	1205.3	1185.1
57.5°	1358.7	1362.6	1429.4	1440.0	1415.6	1363.7	1275.3	1272.1	1253.3	1286.6	1260.4
60°	1276.3	1290.8	1383.8	1436.8	1454.5	1437.2	1382.0	1358.7	1342.1	1365.4	1344.9
62.5°	1166.0	1168.8	1293.7	1408.6	1439.7	1494.5	1456.6	1445.3	1411.0	1445.7	1437.2
65°	1027.4	1031.0	1148.3	1311.3	1395.1	1505.4	1515.0	1527.0	1500.5	1510.0	1536.9
67.5°	872.6	879.3	981.8	1139.1	1299.3	1483.9	1563.4	1586.4	1584.3	1581.4	1608.0
70°	706.4	711.0	794.4	932.3	1144.5	1424.5	1608.3	1637.7	1645.8	1626.0	1607.3
72°	451.8	474.1	584.4	714.5	968.7	1334.3	1628.5	1656.4	1670.5	1623.2	1488.8
72.5°	355.0	372.6	539.9	654.8	908.6	1313.5	1624.6	1650.0	1663.1	1607.6	1438.6
75°	76.4	78.5	169.0	318.2	573.1	1006.2	1489.9	1493.1	1507.2	1400.8	985.0
77.5°	32.9	33.2	47.0	105.0	205.8	514.4	1031.3	1060.7	1059.6	906.5	476.2
80°	23.0	23.7	27.9	48.1	97.9	148.8	503.8	507.0	436.3	324.2	118.8
82.5°	12.0	12.7	19.8	28.6	66.5	54.4	163.0	164.4	121.3	76.4	27.6
85°	2.1	3.2	9.5	17.3	25.8	21.9	35.7	44.9	38.9	30.4	11.7
87.5°	0.4	0.4	2.5	2.5	3.5	2.1	3.5	3.9	4.2	6.4	3.2
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°	1.1	1.1	1.1	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.1	1.1	1.1	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.0	32.5	43.8	46.7	49.9
10°	1.1	1.4	1.1	1.1	0.7	44.5	54.8	55.5	56.2	56.2	55.9
12.5°	44.9	46.0	16.3	3.2	41.4	56.6	53.7	49.1	44.9	43.5	43.1
15°	96.2	96.5	87.3	75.3	80.3	53.4	42.1	47.7	48.4	46.7	46.7
17.5°	103.6	103.6	99.0	120.9	101.5	53.4	44.2	36.4	31.1	29.7	29.3
20°	205.1	179.6	145.3	122.7	82.7	59.8	31.1	26.5	25.8	25.8	26.9
22.5°	221.3	218.1	189.2	165.5	71.1	42.1	30.4	30.4	36.1	35.4	35.0
25°	288.9	284.6	214.3	143.9	71.1	36.1	38.5	33.9	33.2	32.5	31.8
27.5°	365.2	356.4	301.2	130.1	50.2	37.8	36.8	32.2	38.2	38.2	37.8
30°	415.8	382.5	303.3	116.7	42.4	40.3	34.6	37.5	33.9	31.8	31.8
32.5°	538.8	523.6	370.9	82.4	40.3	36.4	36.4	32.2	28.6	29.7	29.3
35°	577.7	557.9	330.2	61.9	37.1	33.6	30.4	28.3	24.4	21.9	21.6
37.5°	625.8	600.0	277.2	47.7	36.4	29.7	25.1	21.6	18.7	18.7	18.4
40°	684.8	645.6	226.6	40.7	32.2	25.5	19.4	16.6	14.8	13.8	13.4
42.5°	749.5	688.7	174.3	36.8	27.9	20.9	14.5	12.0	11.0	10.6	10.6
45°	817.8	728.7	125.2	33.6	24.4	16.3	10.6	8.5	8.1	8.1	8.1
47.5°	887.4	757.7	85.2	30.4	20.5	12.0	7.8	6.4	6.4	6.0	6.0
50°	955.7	777.5	58.7	27.2	16.6	8.5	5.7	5.3	5.3	4.9	4.9
52.5°	1005.2	772.9	43.8	23.7	13.1	6.4	4.6	4.2	4.2	4.2	4.2
55°	1053.2	762.6	36.1	20.2	9.9	4.6	3.5	3.2	3.2	3.2	3.2
57.5°	1102.7	748.8	31.1	16.3	7.1	3.5	2.5	2.5	2.5	2.5	2.5
60°	1143.7	722.0	26.9	13.1	4.9	2.5	2.1	1.8	1.8	1.8	1.8
62.5°	1189.4	694.7	23.0	9.9	3.5	1.8	1.4	1.1	1.1	0.7	1.1
65°	1221.9	661.5	18.7	7.1	2.5	1.4	1.1	0.7	0.4	0.0	0.4
67.5°	1221.2	617.3	13.4	4.6	1.8	1.1	0.7	0.4	0.0	0.0	0.0
70°	1167.8	554.0	9.2	3.2	1.4	0.7	0.7	0.4	0.0	0.0	0.0
72°	1030.6	446.9	7.1	2.8	1.4	0.7	0.7	0.4	0.0	0.0	0.0
72.5°	982.5	410.1	6.4	2.5	1.4	0.7	0.7	0.4	0.0	0.0	0.0
75°	624.0	170.8	4.9	2.1	1.4	0.7	0.7	0.4	0.4	0.4	0.0
77.5°	289.9	62.6	3.5	1.8	1.1	0.7	0.7	0.4	0.4	0.7	0.0
80°	63.3	18.4	2.5	1.8	1.1	0.7	0.7	0.7	0.7	1.1	0.0
82.5°	14.5	6.0	2.1	1.4	1.1	0.7	0.7	0.7	0.7	1.1	0.0
85°	5.3	3.5	2.1	1.8	1.4	0.7	0.7	1.1	1.1	1.4	0.0
87.5°	2.1	2.1	1.8	1.8	1.4	0.7	1.1	1.1	1.4	1.4	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)