

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: P414642

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414642
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-PA1-30-730-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2710 lumens
Efficiency: N/A
Efficacy: 87.4 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 (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

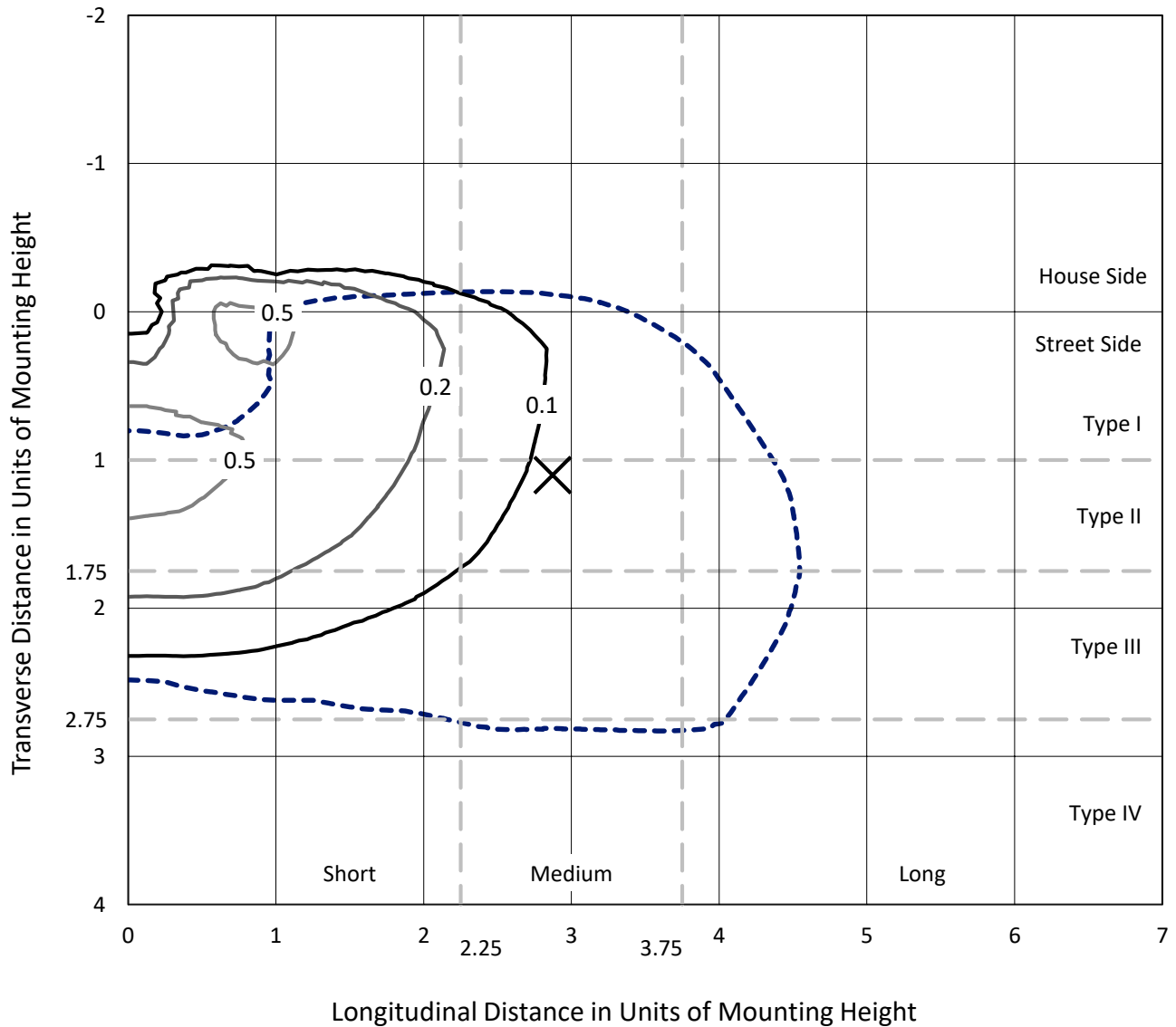


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

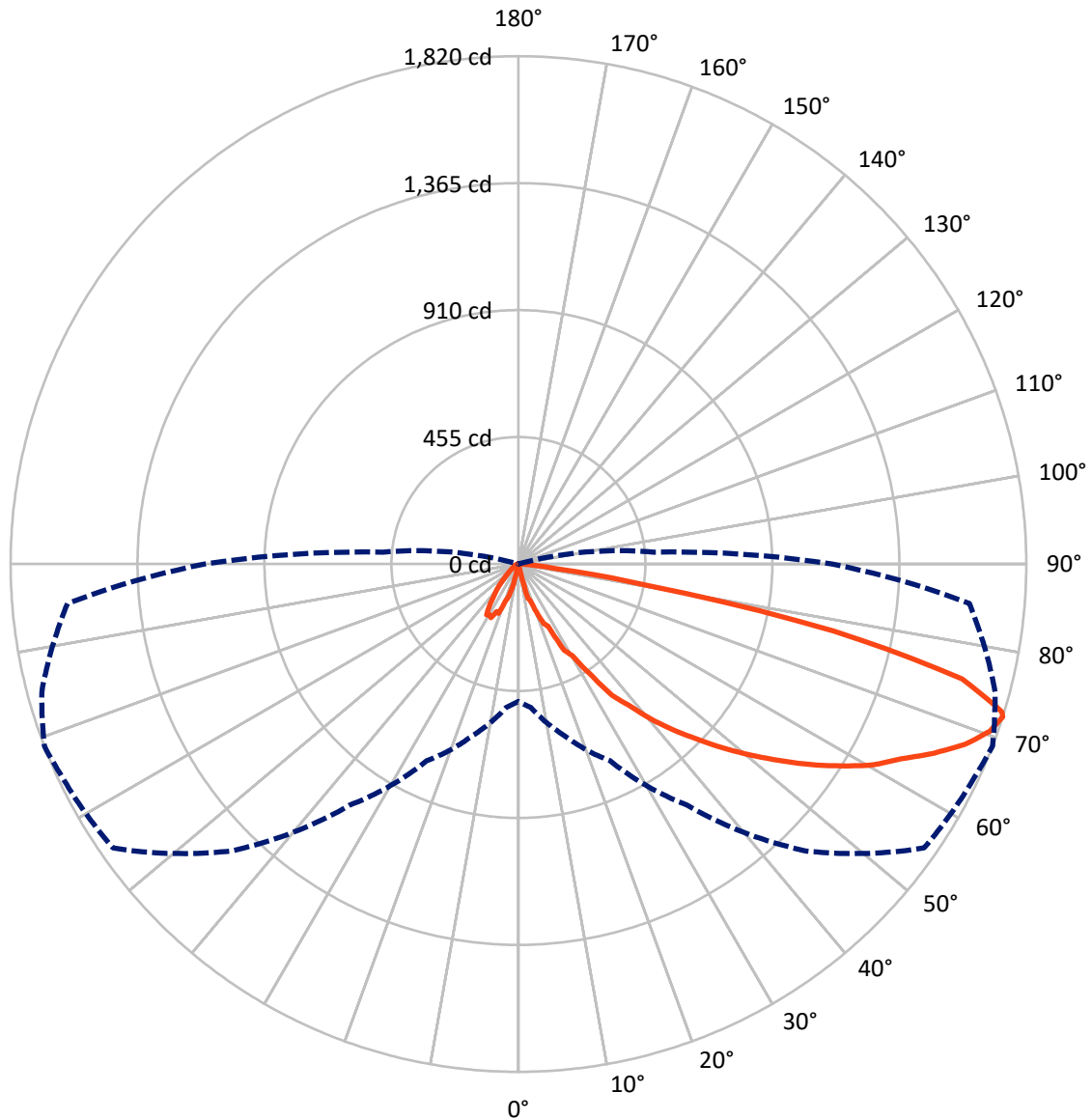


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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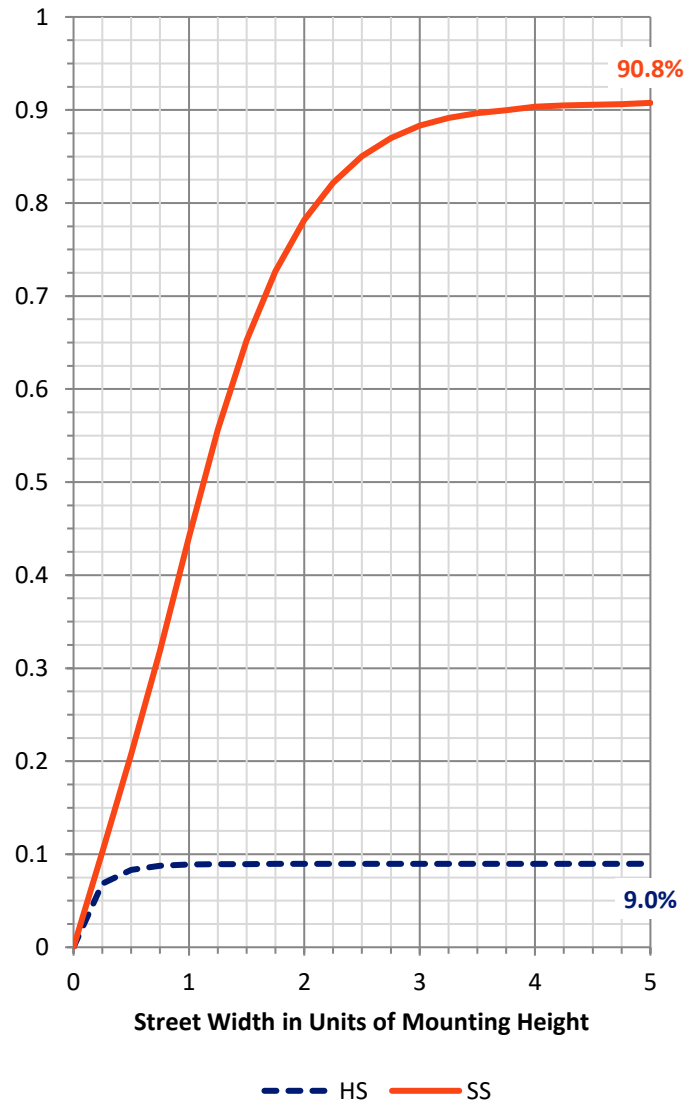
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	245.8	0.0	245.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2464.2	0.0	2464.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	2710.0	0.0	2710.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	23.6	0.9
20°-30°	84.4	3.1
30°-40°	215.6	8.0
40°-50°	426.6	15.7
50°-60°	672.2	24.8
60°-70°	781.9	28.9
70°-80°	474.7	17.5
80°-90°	29.4	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°	2710.0	100.0
0°-180°	2710.0	100.0



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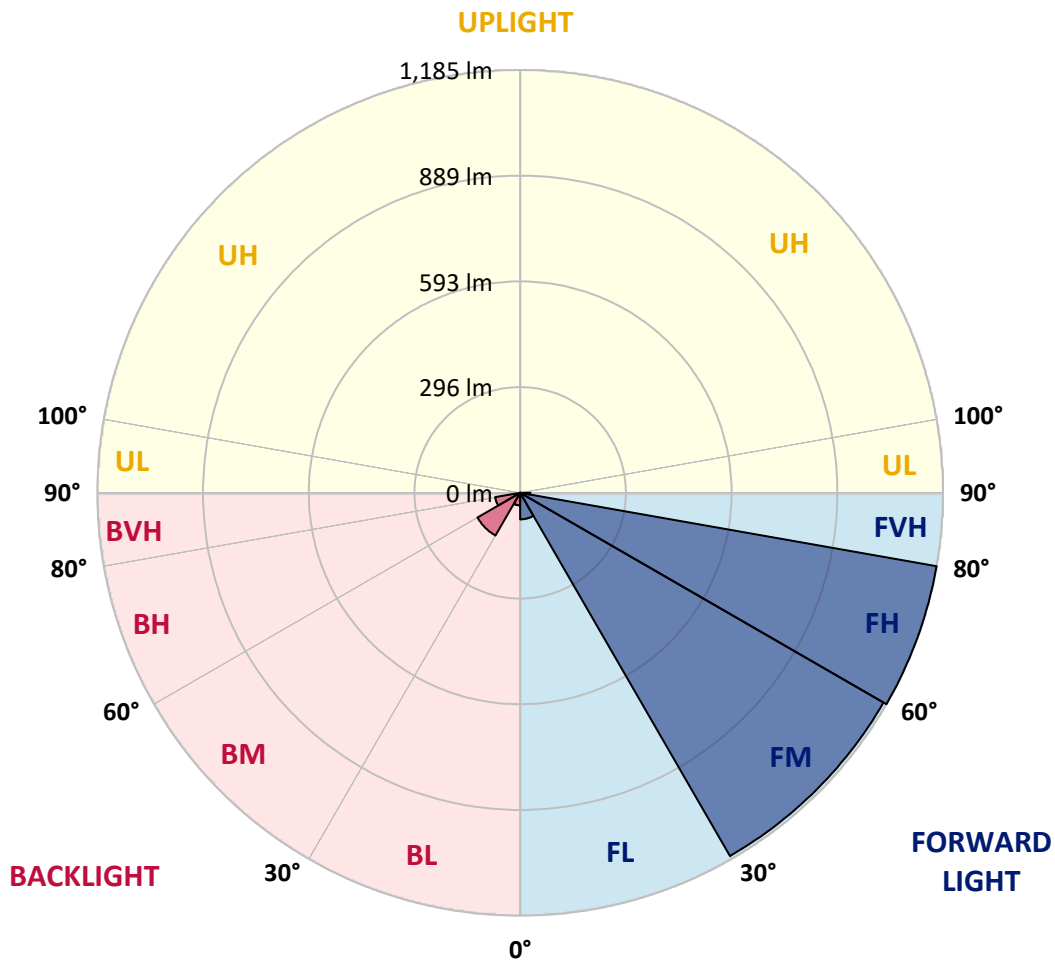
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.4	2.7			
FM (30°-60°)	1176.1	43.4			
FH (60°-80°)	1185.4	43.7			G1/1800
FVH (80°-90°)	28.4	1.0			G1/100
BL (0°-30°)	35.3	1.3	B0/110		
BM (30°-60°)	138.3	5.1	B0/220		
BH (60°-80°)	71.1	2.6	B0/110		G0/110
BVH (80°-90°)	1.0	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.4	0.4	0.4	0.4	0.8	0.8	1.2	1.2	1.2	1.2	1.2
5°	37.7	24.6	18.5	15.4	7.7	1.9	1.2	1.2	1.2	1.2	1.2
7.5°	58.2	58.2	58.5	58.9	60.1	50.4	10.8	1.2	1.2	1.2	1.2
10°	56.2	55.8	55.8	56.6	58.2	59.7	61.2	8.1	1.9	1.2	1.2
12.5°	109.8	108.6	100.9	70.5	57.8	58.5	61.6	47.0	13.1	7.7	44.3
15°	108.6	108.2	109.0	110.9	111.7	62.4	91.3	124.0	126.7	85.5	103.6
17.5°	118.6	115.1	109.8	110.5	114.0	134.0	129.0	134.4	137.1	95.9	112.1
20°	164.1	163.7	164.4	129.0	120.5	169.8	149.4	146.0	181.4	189.9	210.7
22.5°	167.5	166.7	167.9	171.8	192.9	177.5	216.4	221.4	231.8	256.5	240.7
25°	234.5	234.5	192.6	179.5	219.9	200.6	268.0	251.9	246.5	275.3	309.6
27.5°	283.0	280.0	270.0	250.7	228.7	283.8	285.4	344.3	349.3	384.3	390.9
30°	358.5	354.3	327.7	312.7	283.8	298.5	333.1	409.4	381.6	409.7	438.2
32.5°	530.7	524.5	491.0	394.0	357.8	323.5	399.3	439.4	466.7	543.0	574.2
35°	687.4	647.4	601.5	527.6	433.6	420.5	430.9	544.9	577.3	600.8	632.3
37.5°	845.3	846.1	800.2	620.8	548.0	485.6	519.5	608.8	641.6	676.2	704.7
40°	972.0	952.7	891.5	759.8	646.6	584.2	588.4	671.2	729.4	772.9	778.7
42.5°	1133.7	1125.6	1035.5	886.9	774.1	713.2	694.7	735.5	812.6	841.4	859.2
45°	1288.5	1276.6	1200.0	1031.7	910.4	842.2	816.8	817.2	893.0	923.9	949.3
47.5°	1404.5	1385.2	1344.0	1164.9	1081.7	983.2	930.4	910.4	984.3	1024.4	1038.6
50°	1525.8	1494.2	1461.5	1315.5	1229.6	1144.1	1043.2	1020.9	1074.4	1119.1	1130.7
52.5°	1607.0	1561.2	1538.5	1422.9	1362.1	1307.8	1156.1	1131.0	1169.2	1221.9	1212.7
55°	1565.8	1551.6	1576.2	1515.8	1456.8	1396.8	1278.9	1258.5	1268.5	1312.8	1290.9
57.5°	1479.9	1484.2	1557.0	1568.5	1541.9	1485.3	1389.1	1385.6	1365.2	1401.4	1372.9
60°	1390.2	1406.0	1507.3	1565.0	1584.3	1565.4	1505.4	1479.9	1461.8	1487.3	1464.9
62.5°	1270.1	1273.1	1409.1	1534.2	1568.1	1627.8	1586.6	1574.3	1536.9	1574.7	1565.4
65°	1119.1	1123.0	1250.8	1428.3	1519.6	1639.8	1650.2	1663.2	1634.4	1644.8	1674.0
67.5°	950.4	957.7	1069.4	1240.8	1415.2	1616.3	1702.9	1727.9	1725.6	1722.6	1751.4
70°	769.4	774.4	865.3	1015.5	1246.6	1551.6	1751.8	1783.8	1792.6	1771.1	1750.7
72°	492.2	516.4	636.6	778.3	1055.2	1453.4	1773.8	1804.2	1819.6	1768.0	1621.7
72.5°	386.6	405.9	588.0	713.2	989.7	1430.6	1769.5	1797.3	1811.5	1751.1	1567.0
75°	83.2	85.5	184.1	346.6	624.2	1096.0	1622.8	1626.3	1641.7	1525.8	1072.9
77.5°	35.8	36.2	51.2	114.4	224.1	560.3	1123.3	1155.3	1154.1	987.4	518.7
80°	25.0	25.8	30.4	52.4	106.7	162.1	548.8	552.2	475.2	353.1	129.4
82.5°	13.1	13.9	21.6	31.2	72.4	59.3	177.5	179.1	132.1	83.2	30.0
85°	2.3	3.5	10.4	18.9	28.1	23.9	38.9	48.9	42.4	33.1	12.7
87.5°	0.4	0.4	2.7	2.7	3.9	2.3	3.9	4.2	4.6	6.9	3.5
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.2	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.0	35.4	47.8	50.8	54.3
10°	1.2	1.5	1.2	1.2	0.8	48.5	59.7	60.5	61.2	61.2	60.8
12.5°	48.9	50.1	17.7	3.5	45.1	61.6	58.5	53.5	48.9	47.4	47.0
15°	104.7	105.1	95.1	82.0	87.4	58.2	45.8	52.0	52.8	50.8	50.8
17.5°	112.8	112.8	107.8	131.7	110.5	58.2	48.1	39.7	33.9	32.3	32.0
20°	223.4	195.6	158.3	133.6	90.1	65.1	33.9	28.9	28.1	28.1	29.3
22.5°	241.1	237.6	206.0	180.2	77.4	45.8	33.1	33.1	39.3	38.5	38.1
25°	314.6	310.0	233.4	156.7	77.4	39.3	42.0	37.0	36.2	35.4	34.7
27.5°	397.8	388.2	328.1	141.7	54.7	41.2	40.1	35.0	41.6	41.6	41.2
30°	452.9	416.7	330.4	127.1	46.2	43.9	37.7	40.8	37.0	34.7	34.7
32.5°	586.9	570.3	404.0	89.7	43.9	39.7	39.7	35.0	31.2	32.3	32.0
35°	629.3	607.7	359.7	67.4	40.4	36.6	33.1	30.8	26.6	23.9	23.5
37.5°	681.6	653.5	301.9	52.0	39.7	32.3	27.3	23.5	20.4	20.4	20.0
40°	745.9	703.2	246.8	44.3	35.0	27.7	21.2	18.1	16.2	15.0	14.6
42.5°	816.4	750.2	189.9	40.1	30.4	22.7	15.8	13.1	11.9	11.6	11.6
45°	890.7	793.7	136.3	36.6	26.6	17.7	11.6	9.2	8.9	8.9	8.9
47.5°	966.6	825.3	92.8	33.1	22.3	13.1	8.5	6.9	6.9	6.5	6.5
50°	1040.9	846.8	63.9	29.7	18.1	9.2	6.2	5.8	5.8	5.4	5.4
52.5°	1094.8	841.8	47.8	25.8	14.2	6.9	5.0	4.6	4.6	4.6	4.6
55°	1147.2	830.7	39.3	22.0	10.8	5.0	3.9	3.5	3.5	3.5	3.5
57.5°	1201.1	815.6	33.9	17.7	7.7	3.9	2.7	2.7	2.7	2.7	2.7
60°	1245.8	786.4	29.3	14.2	5.4	2.7	2.3	1.9	1.9	1.9	1.9
62.5°	1295.5	756.7	25.0	10.8	3.9	1.9	1.5	1.2	1.2	0.8	1.2
65°	1330.9	720.5	20.4	7.7	2.7	1.5	1.2	0.8	0.4	0.0	0.4
67.5°	1330.1	672.4	14.6	5.0	1.9	1.2	0.8	0.4	0.0	0.0	0.0
70°	1272.0	603.5	10.0	3.5	1.5	0.8	0.8	0.4	0.0	0.0	0.0
72°	1122.6	486.8	7.7	3.1	1.5	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	1070.2	446.7	6.9	2.7	1.5	0.8	0.8	0.4	0.0	0.0	0.0
75°	679.7	186.0	5.4	2.3	1.5	0.8	0.8	0.4	0.4	0.4	0.0
77.5°	315.8	68.2	3.9	1.9	1.2	0.8	0.8	0.4	0.4	0.8	0.0
80°	68.9	20.0	2.7	1.9	1.2	0.8	0.8	0.8	0.8	1.2	0.0
82.5°	15.8	6.5	2.3	1.5	1.2	0.8	0.8	0.8	0.8	1.2	0.0
85°	5.8	3.9	2.3	1.9	1.5	0.8	0.8	1.2	1.2	1.5	0.0
87.5°	2.3	2.3	1.9	1.9	1.5	0.8	1.2	1.2	1.5	1.5	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)