

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: P415266

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415266
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-PA1-40-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA 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: 2832 lumens
Efficiency: N/A
Efficacy: 70.8 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): 40
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

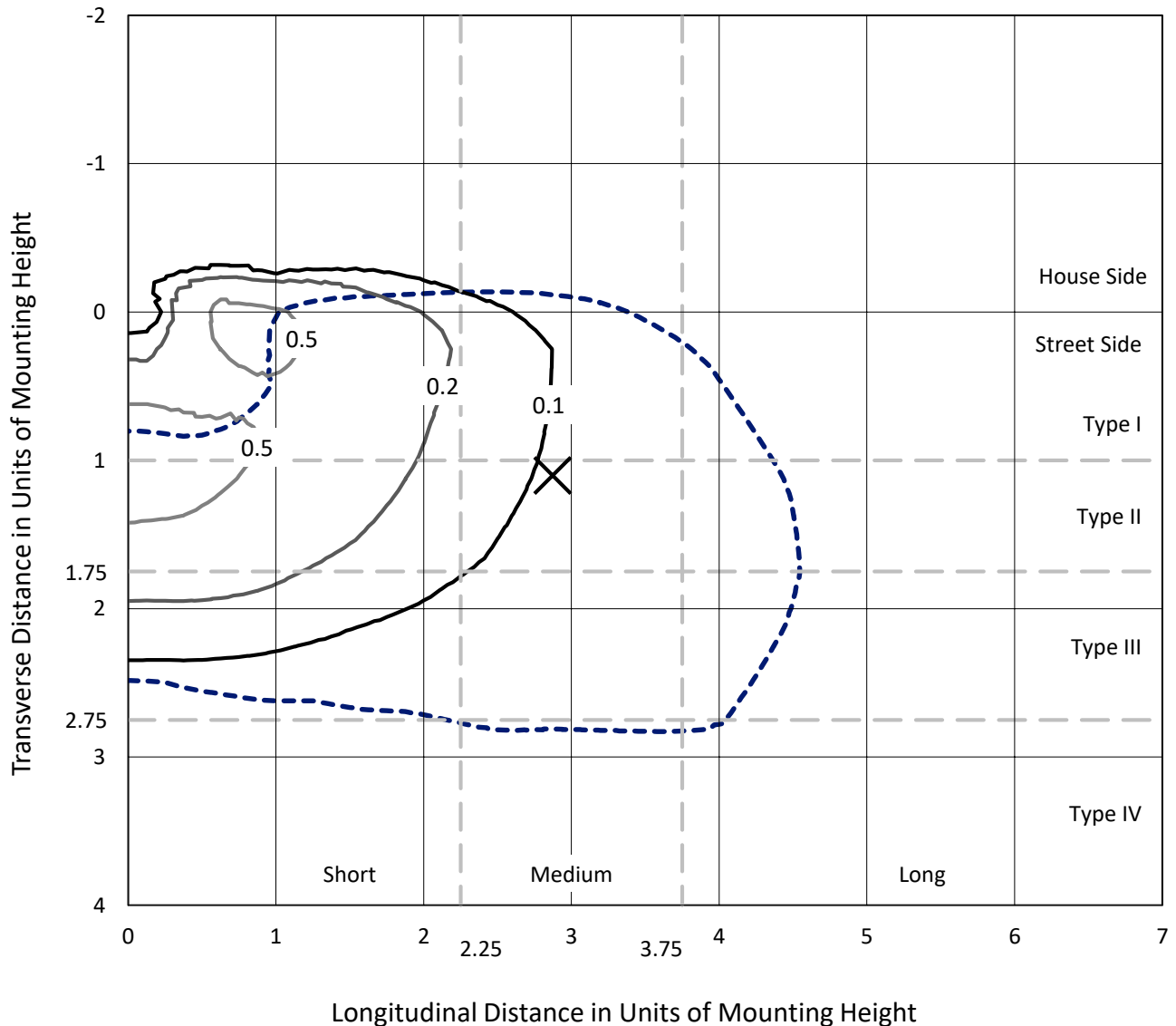


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

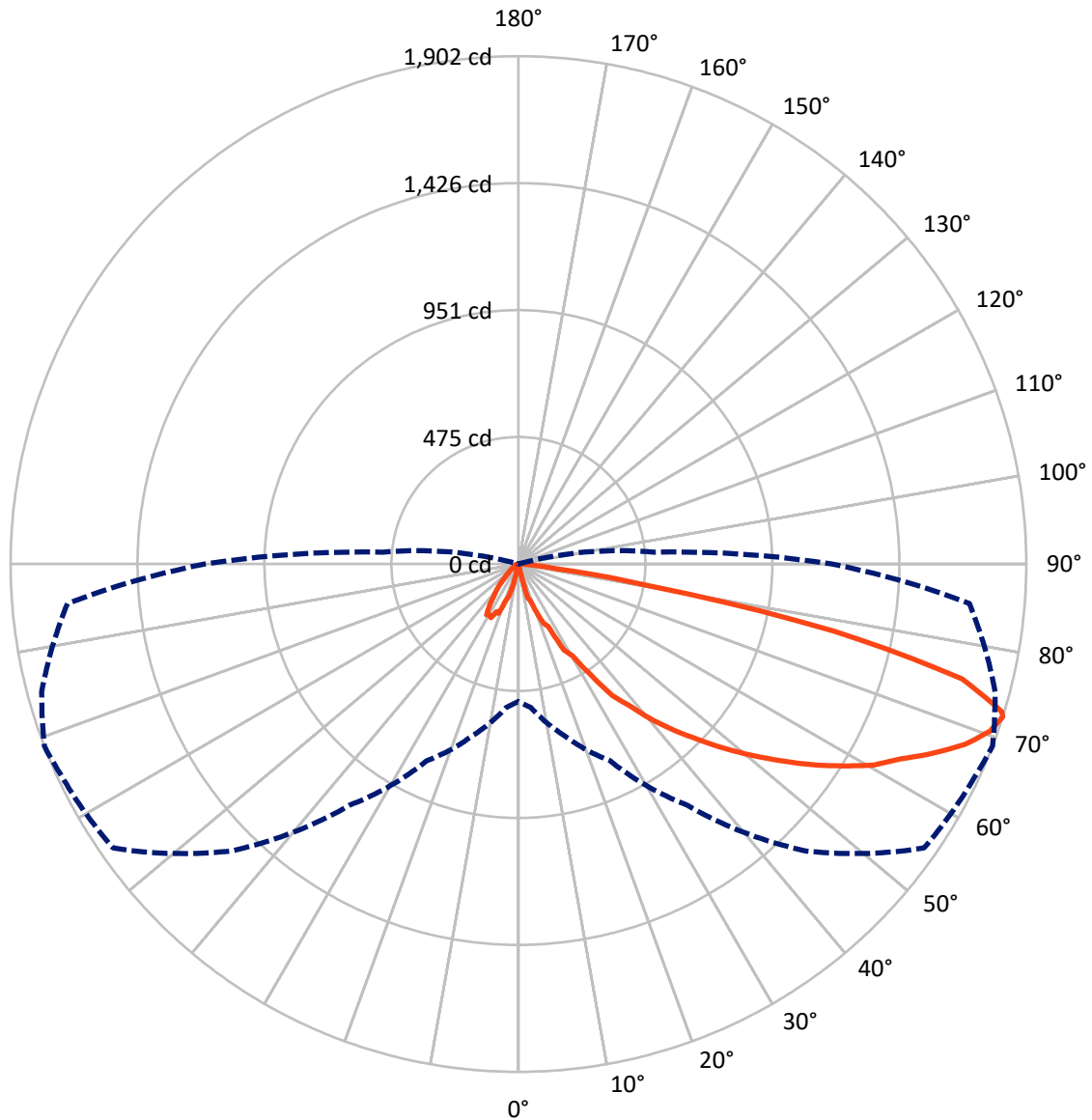


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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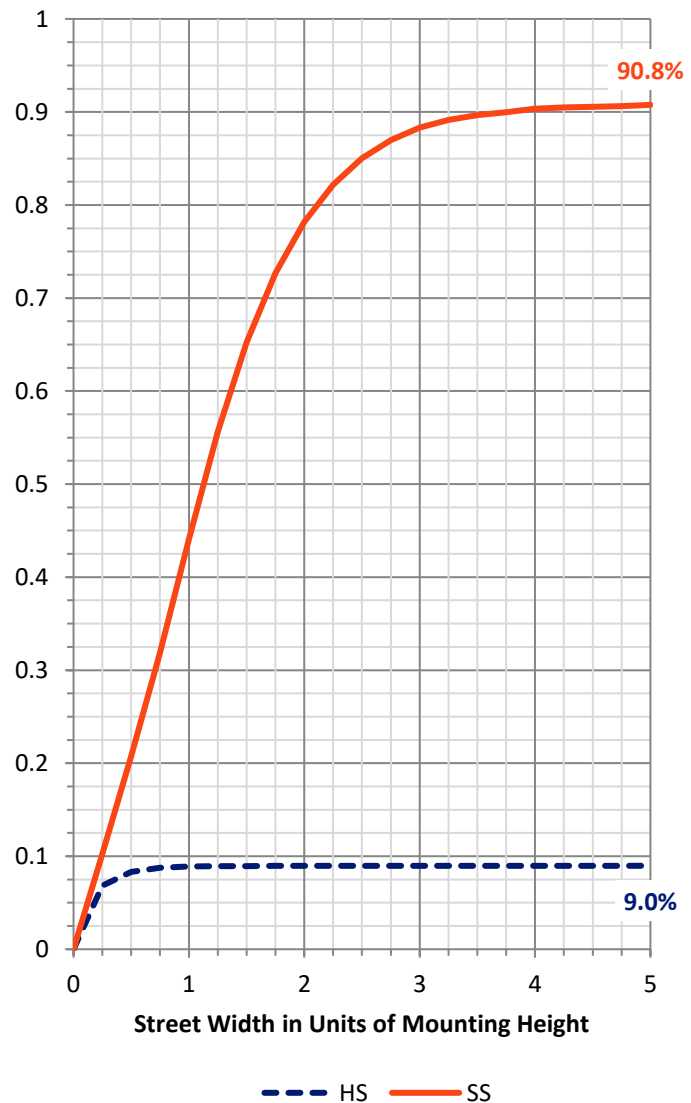
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.8	0.0	256.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2575.2	0.0	2575.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	2832.0	0.0	2832.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	24.6	0.9
20°-30°	88.2	3.1
30°-40°	225.3	8.0
40°-50°	445.8	15.7
50°-60°	702.5	24.8
60°-70°	817.1	28.9
70°-80°	496.0	17.5
80°-90°	30.7	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°	2832.0	100.0
0°-180°	2832.0	100.0



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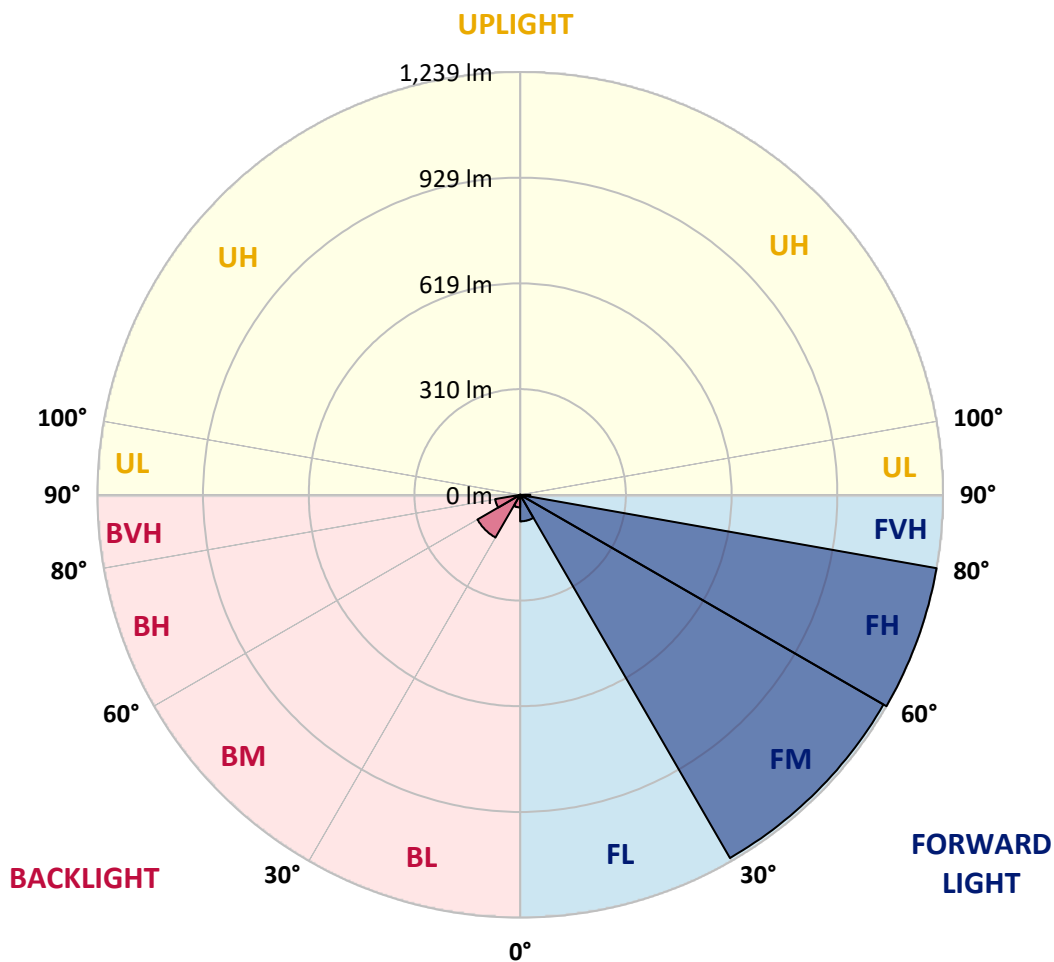
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.8	2.7			
FM	(30°-60°)	1229.0	43.4			
FH	(60°-80°)	1238.8	43.7			G1/1800
FVH	(80°-90°)	29.6	1.0			G1/100
BL	(0°-30°)	36.9	1.3	B0/110		
BM	(30°-60°)	144.6	5.1	B0/220		
BH	(60°-80°)	74.3	2.6	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	39.4	25.8	19.3	16.1	8.0	2.0	1.2	1.2	1.2	1.2	1.2
7.5°	60.8	60.8	61.2	61.6	62.8	52.7	11.3	1.2	1.2	1.2	1.2
10°	58.8	58.4	58.4	59.2	60.8	62.4	64.0	8.5	2.0	1.2	1.2
12.5°	114.7	113.5	105.4	73.6	60.4	61.2	64.4	49.1	13.7	8.0	46.3
15°	113.5	113.1	113.9	115.9	116.7	65.2	95.4	129.6	132.4	89.3	108.3
17.5°	124.0	120.3	114.7	115.5	119.1	140.0	134.8	140.5	143.3	100.2	117.1
20°	171.4	171.0	171.8	134.8	126.0	177.5	156.1	152.5	189.5	198.4	220.1
22.5°	175.1	174.3	175.5	179.5	201.6	185.5	226.2	231.4	242.3	268.0	251.5
25°	245.1	245.1	201.2	187.5	229.8	209.7	280.1	263.2	257.6	287.7	323.6
27.5°	295.8	292.6	282.1	262.0	239.0	296.6	298.2	359.8	365.0	401.6	408.5
30°	374.7	370.2	342.5	326.8	296.6	311.9	348.1	427.8	398.8	428.2	458.0
32.5°	554.6	548.1	513.1	411.7	373.9	338.0	417.3	459.2	487.8	567.4	600.0
35°	718.4	676.5	628.6	551.3	453.1	439.5	450.3	569.4	603.3	627.8	660.8
37.5°	883.3	884.2	836.3	648.7	572.7	507.5	542.9	636.3	670.5	706.7	736.5
40°	1015.8	995.6	931.6	794.0	675.7	610.5	614.9	701.4	762.2	807.7	813.7
42.5°	1184.8	1176.3	1082.2	926.8	808.9	745.3	726.0	768.7	849.1	879.3	897.8
45°	1346.6	1334.1	1254.0	1078.1	951.4	880.1	853.6	854.0	933.3	965.4	992.0
47.5°	1467.7	1447.6	1404.5	1217.4	1130.4	1027.4	972.3	951.4	1028.6	1070.5	1085.4
50°	1594.5	1561.5	1527.2	1374.7	1285.0	1195.6	1090.2	1066.9	1122.8	1169.5	1181.6
52.5°	1679.4	1631.5	1607.7	1487.0	1423.4	1366.7	1208.1	1182.0	1221.8	1276.9	1267.3
55°	1636.3	1621.4	1647.2	1584.0	1522.4	1459.6	1336.5	1315.2	1325.6	1371.9	1349.0
57.5°	1546.6	1551.0	1627.1	1639.1	1611.4	1552.2	1451.6	1448.0	1426.6	1464.5	1434.7
60°	1452.8	1469.3	1575.1	1635.5	1655.6	1635.9	1573.1	1546.6	1527.7	1554.2	1530.9
62.5°	1327.2	1330.5	1472.5	1603.3	1638.7	1701.1	1658.0	1645.2	1606.1	1645.6	1635.9
65°	1169.5	1173.5	1307.1	1492.6	1588.0	1713.6	1724.4	1738.1	1707.9	1718.8	1749.4
67.5°	993.2	1000.9	1117.6	1296.7	1479.0	1689.0	1779.6	1805.7	1803.3	1800.1	1830.3
70°	804.1	809.3	904.3	1061.2	1302.7	1621.4	1830.7	1864.1	1873.3	1850.8	1829.5
72°	514.3	539.7	665.2	813.3	1102.7	1518.8	1853.6	1885.4	1901.5	1847.6	1694.7
72.5°	404.0	424.2	614.5	745.3	1034.3	1495.1	1849.2	1878.2	1893.1	1829.9	1637.5
75°	86.9	89.3	192.4	362.2	652.4	1145.3	1695.9	1699.5	1715.6	1594.5	1121.2
77.5°	37.4	37.8	53.5	119.5	234.2	585.5	1173.9	1207.3	1206.1	1031.8	542.1
80°	26.2	27.0	31.8	54.7	111.5	169.4	573.5	577.1	496.6	369.0	135.2
82.5°	13.7	14.5	22.5	32.6	75.7	62.0	185.5	187.1	138.0	86.9	31.4
85°	2.4	3.6	10.9	19.7	29.4	25.0	40.6	51.1	44.3	34.6	13.3
87.5°	0.4	0.4	2.8	2.8	4.0	2.4	4.0	4.4	4.8	7.2	3.6
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	37.0	49.9	53.1	56.7
10°	1.2	1.6	1.2	1.2	0.8	50.7	62.4	63.2	64.0	64.0	63.6
12.5°	51.1	52.3	18.5	3.6	47.1	64.4	61.2	55.9	51.1	49.5	49.1
15°	109.5	109.9	99.4	85.7	91.4	60.8	47.9	54.3	55.1	53.1	53.1
17.5°	117.9	117.9	112.7	137.6	115.5	60.8	50.3	41.5	35.4	33.8	33.4
20°	233.4	204.4	165.4	139.6	94.2	68.0	35.4	30.2	29.4	29.4	30.6
22.5°	251.9	248.3	215.3	188.3	80.9	47.9	34.6	34.6	41.0	40.2	39.8
25°	328.8	324.0	243.9	163.8	80.9	41.0	43.9	38.6	37.8	37.0	36.2
27.5°	415.7	405.7	342.9	148.1	57.1	43.1	41.9	36.6	43.5	43.5	43.1
30°	473.3	435.4	345.3	132.8	48.3	45.9	39.4	42.7	38.6	36.2	36.2
32.5°	613.3	596.0	422.2	93.8	45.9	41.5	41.5	36.6	32.6	33.8	33.4
35°	657.6	635.0	375.9	70.4	42.3	38.2	34.6	32.2	27.8	25.0	24.5
37.5°	712.3	682.9	315.5	54.3	41.5	33.8	28.6	24.5	21.3	21.3	20.9
40°	779.5	734.9	258.0	46.3	36.6	29.0	22.1	18.9	16.9	15.7	15.3
42.5°	853.2	783.9	198.4	41.9	31.8	23.7	16.5	13.7	12.5	12.1	12.1
45°	930.8	829.4	142.5	38.2	27.8	18.5	12.1	9.7	9.3	9.3	9.3
47.5°	1010.1	862.4	97.0	34.6	23.3	13.7	8.9	7.2	7.2	6.8	6.8
50°	1087.8	885.0	66.8	31.0	18.9	9.7	6.4	6.0	6.0	5.6	5.6
52.5°	1144.1	879.7	49.9	27.0	14.9	7.2	5.2	4.8	4.8	4.8	4.8
55°	1198.9	868.1	41.0	22.9	11.3	5.2	4.0	3.6	3.6	3.6	3.6
57.5°	1255.2	852.4	35.4	18.5	8.0	4.0	2.8	2.8	2.8	2.8	2.8
60°	1301.9	821.8	30.6	14.9	5.6	2.8	2.4	2.0	2.0	2.0	2.0
62.5°	1353.8	790.8	26.2	11.3	4.0	2.0	1.6	1.2	1.2	0.8	1.2
65°	1390.8	753.0	21.3	8.0	2.8	1.6	1.2	0.8	0.4	0.0	0.4
67.5°	1390.0	702.7	15.3	5.2	2.0	1.2	0.8	0.4	0.0	0.0	0.0
70°	1329.3	630.6	10.5	3.6	1.6	0.8	0.8	0.4	0.0	0.0	0.0
72°	1173.1	508.7	8.0	3.2	1.6	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	1118.4	466.8	7.2	2.8	1.6	0.8	0.8	0.4	0.0	0.0	0.0
75°	710.3	194.4	5.6	2.4	1.6	0.8	0.8	0.4	0.4	0.4	0.0
77.5°	330.0	71.2	4.0	2.0	1.2	0.8	0.8	0.4	0.4	0.8	0.0
80°	72.0	20.9	2.8	2.0	1.2	0.8	0.8	0.8	0.8	1.2	0.0
82.5°	16.5	6.8	2.4	1.6	1.2	0.8	0.8	0.8	0.8	1.2	0.0
85°	6.0	4.0	2.4	2.0	1.6	0.8	0.8	1.2	1.2	1.6	0.0
87.5°	2.4	2.4	2.0	2.0	1.6	0.8	1.2	1.2	1.6	1.6	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)