

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: P415006

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415006
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-PA1-40-727-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 3222 lumens
Efficiency: N/A
Efficacy: 80.6 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

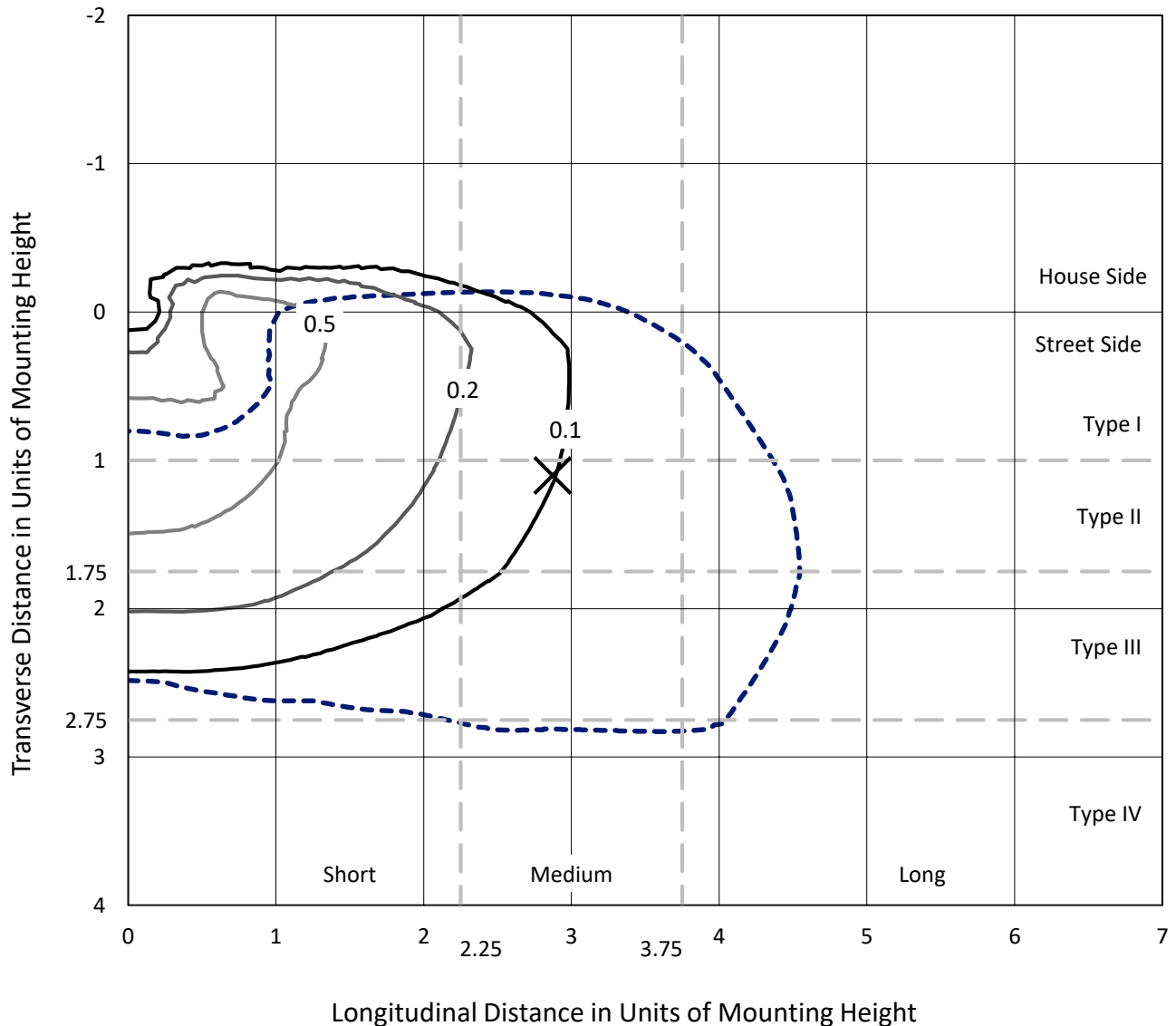


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

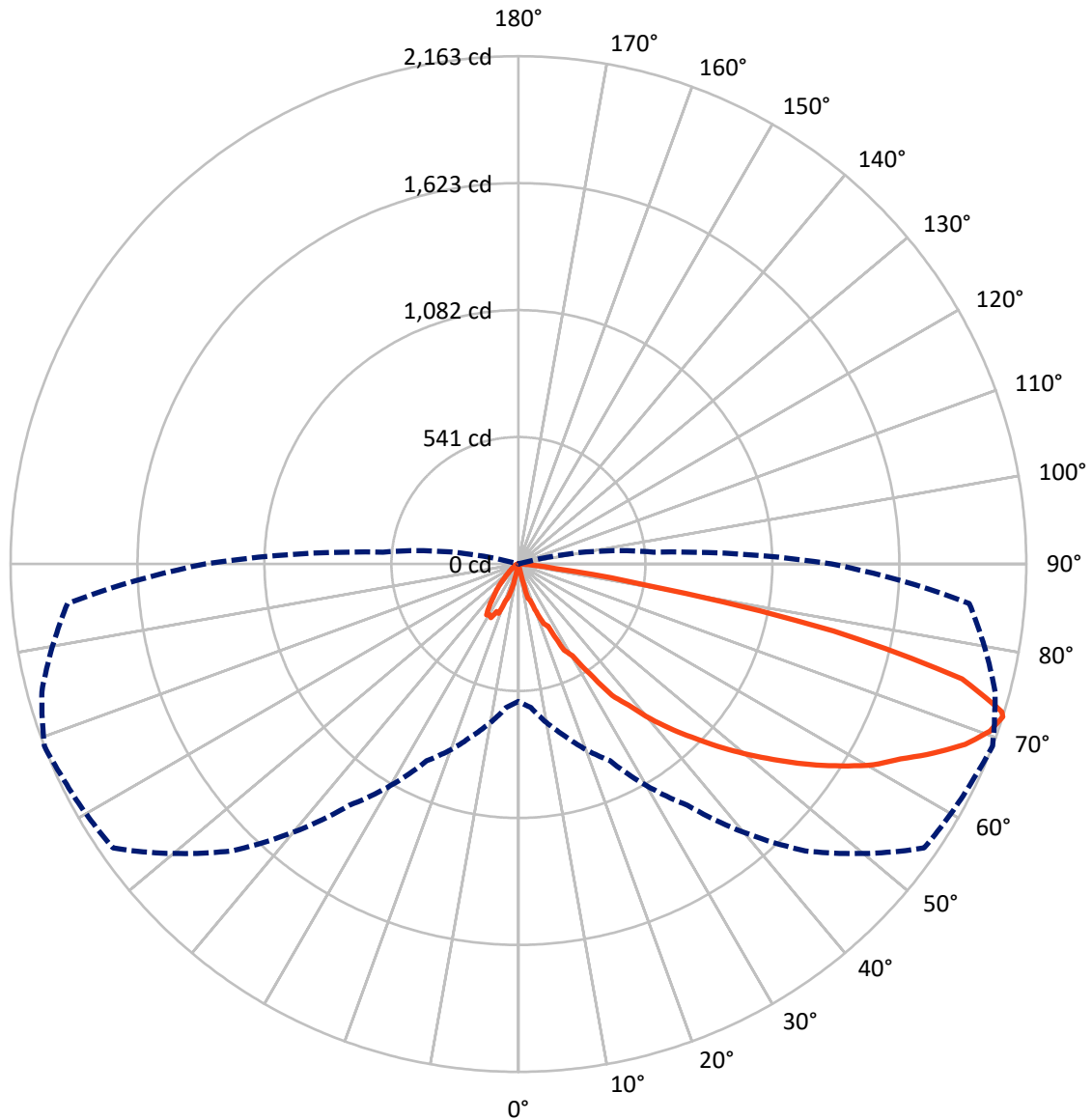


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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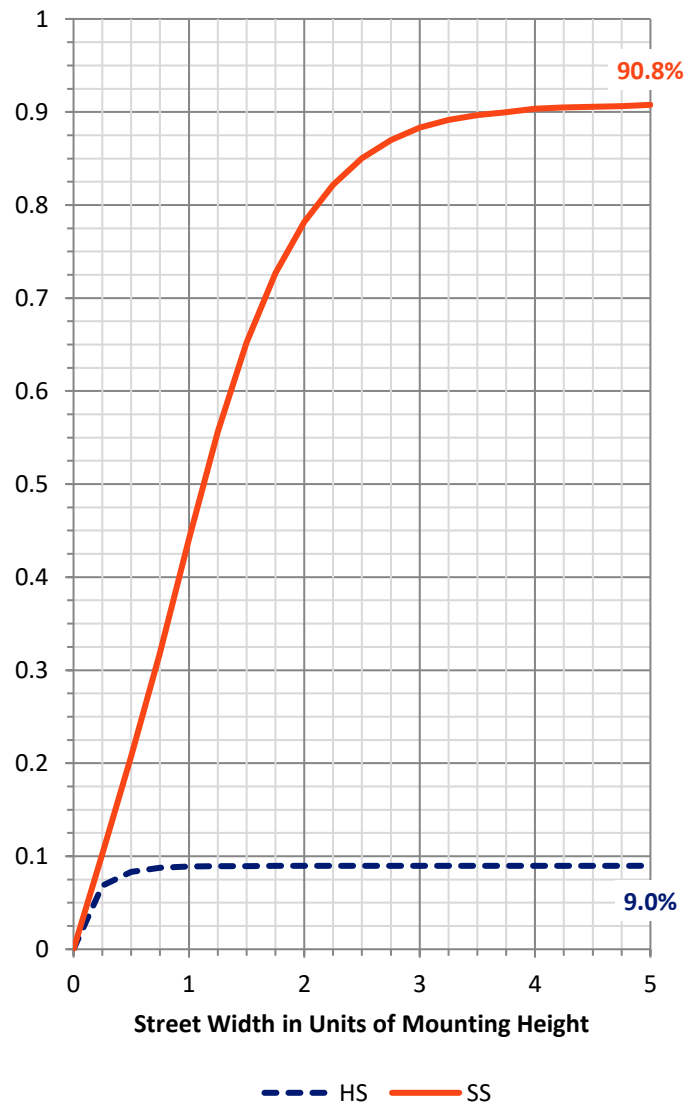
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.2	0.0	292.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2929.8	0.0	2929.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	3222.0	0.0	3222.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	28.0	0.9
20°-30°	100.3	3.1
30°-40°	256.3	8.0
40°-50°	507.2	15.7
50°-60°	799.2	24.8
60°-70°	929.6	28.9
70°-80°	564.3	17.5
80°-90°	34.9	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°	3222.0	100.0
0°-180°	3222.0	100.0



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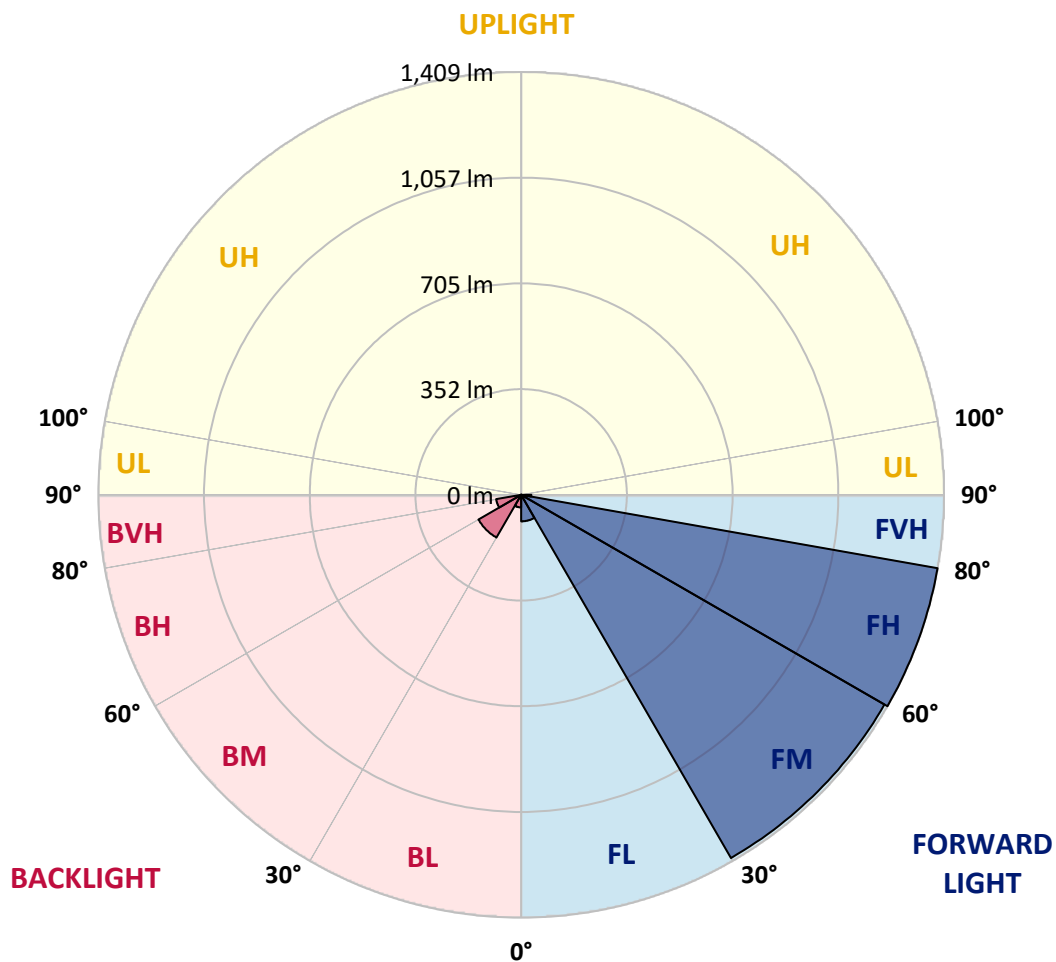
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.5	2.7			
FM	(30°-60°)	1398.2	43.4			
FH	(60°-80°)	1409.4	43.7			G1/1800
FVH	(80°-90°)	33.7	1.0			G1/100
BL	(0°-30°)	42.0	1.3	B0/110		
BM	(30°-60°)	164.5	5.1	B0/220		
BH	(60°-80°)	84.6	2.6	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.5	0.5	0.5	0.5	0.9	0.9	1.4	1.4	1.4	1.4	1.4
5°	44.9	29.3	22.0	18.3	9.2	2.3	1.4	1.4	1.4	1.4	1.4
7.5°	69.1	69.1	69.6	70.1	71.4	60.0	12.8	1.4	1.4	1.4	1.4
10°	66.8	66.4	66.4	67.3	69.1	71.0	72.8	9.6	2.3	1.4	1.4
12.5°	130.5	129.1	120.0	83.8	68.7	69.6	73.3	55.9	15.6	9.2	52.7
15°	129.1	128.7	129.6	131.9	132.8	74.2	108.5	147.4	150.6	101.6	123.2
17.5°	141.0	136.9	130.5	131.4	135.5	159.3	153.4	159.8	163.0	114.0	133.2
20°	195.0	194.6	195.5	153.4	143.3	201.9	177.6	173.5	215.7	225.7	250.4
22.5°	199.2	198.3	199.6	204.2	229.4	211.1	257.3	263.3	275.6	304.9	286.2
25°	278.8	278.8	228.9	213.4	261.4	238.5	318.7	299.4	293.0	327.4	368.1
27.5°	336.5	332.9	321.0	298.1	272.0	337.4	339.3	409.3	415.3	456.9	464.7
30°	426.3	421.2	389.6	371.8	337.4	354.8	396.0	486.7	453.7	487.2	521.0
32.5°	630.9	623.6	583.8	468.4	425.3	384.6	474.8	522.4	554.9	645.6	682.7
35°	817.3	769.7	715.2	627.3	515.5	500.0	512.3	647.9	686.3	714.3	751.8
37.5°	1005.0	1005.9	951.4	738.1	651.5	577.4	617.6	723.9	762.8	804.0	837.9
40°	1155.6	1132.7	1059.9	903.4	768.7	694.6	699.6	798.0	867.2	918.9	925.8
42.5°	1347.9	1338.3	1231.2	1054.4	920.3	848.0	826.0	874.5	966.1	1000.4	1021.5
45°	1532.0	1517.8	1426.7	1226.6	1082.4	1001.3	971.1	971.6	1061.8	1098.4	1128.6
47.5°	1669.8	1646.9	1597.9	1385.0	1286.1	1168.9	1106.2	1082.4	1170.3	1217.9	1234.8
50°	1814.0	1776.5	1737.6	1564.0	1461.9	1360.3	1240.3	1213.8	1277.4	1330.5	1344.3
52.5°	1910.6	1856.2	1829.1	1691.8	1619.4	1554.9	1374.5	1344.7	1390.1	1452.8	1441.8
55°	1861.6	1844.7	1874.0	1802.1	1732.1	1660.6	1520.5	1496.3	1508.2	1560.8	1534.7
57.5°	1759.5	1764.6	1851.1	1864.9	1833.3	1766.0	1651.5	1647.4	1623.1	1666.1	1632.3
60°	1652.9	1671.6	1792.1	1860.7	1883.6	1861.2	1789.8	1759.5	1738.0	1768.2	1741.7
62.5°	1510.0	1513.7	1675.3	1824.1	1864.4	1935.4	1886.4	1871.7	1827.3	1872.2	1861.2
65°	1330.5	1335.1	1487.1	1698.2	1806.7	1949.6	1961.9	1977.5	1943.1	1955.5	1990.3
67.5°	1130.0	1138.7	1271.5	1475.2	1682.6	1921.6	2024.6	2054.4	2051.7	2048.0	2082.3
70°	914.8	920.8	1028.8	1207.4	1482.1	1844.7	2082.8	2120.8	2131.3	2105.7	2081.4
72°	585.1	614.0	756.8	925.3	1254.5	1728.0	2108.9	2145.1	2163.4	2102.0	1928.0
72.5°	459.7	482.6	699.1	848.0	1176.7	1700.9	2103.9	2136.8	2153.8	2081.9	1863.0
75°	98.9	101.6	218.9	412.1	742.2	1303.1	1929.4	1933.5	1951.8	1814.0	1275.6
77.5°	42.6	43.0	60.9	136.0	266.5	666.2	1335.6	1373.6	1372.2	1173.9	616.7
80°	29.8	30.7	36.2	62.3	126.8	192.8	652.4	656.6	565.0	419.9	153.8
82.5°	15.6	16.5	25.6	37.1	86.1	70.5	211.1	212.9	157.0	98.9	35.7
85°	2.7	4.1	12.4	22.4	33.4	28.4	46.2	58.1	50.4	39.4	15.1
87.5°	0.5	0.5	3.2	3.2	4.6	2.7	4.6	5.0	5.5	8.2	4.1
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.4	1.4	1.4	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.0	42.1	56.8	60.4	64.6
10°	1.4	1.8	1.4	1.4	0.9	57.7	71.0	71.9	72.8	72.8	72.3
12.5°	58.1	59.5	21.1	4.1	53.6	73.3	69.6	63.6	58.1	56.3	55.9
15°	124.5	125.0	113.1	97.5	103.9	69.1	54.5	61.8	62.7	60.4	60.4
17.5°	134.2	134.2	128.2	156.6	131.4	69.1	57.2	47.2	40.3	38.5	38.0
20°	265.6	232.6	188.2	158.9	107.1	77.4	40.3	34.3	33.4	33.4	34.8
22.5°	286.6	282.5	245.0	214.3	92.0	54.5	39.4	39.4	46.7	45.8	45.3
25°	374.1	368.6	277.5	186.3	92.0	46.7	49.9	44.0	43.0	42.1	41.2
27.5°	473.0	461.5	390.1	168.5	65.0	49.0	47.6	41.7	49.4	49.4	49.0
30°	538.4	495.4	392.8	151.1	54.9	52.2	44.9	48.5	44.0	41.2	41.2
32.5°	697.8	678.1	480.3	106.7	52.2	47.2	47.2	41.7	37.1	38.5	38.0
35°	748.1	722.5	427.6	80.1	48.1	43.5	39.4	36.6	31.6	28.4	27.9
37.5°	810.4	777.0	359.0	61.8	47.2	38.5	32.5	27.9	24.3	24.3	23.8
40°	886.9	836.0	293.5	52.7	41.7	33.0	25.2	21.5	19.2	17.9	17.4
42.5°	970.7	891.9	225.7	47.6	36.2	27.0	18.8	15.6	14.2	13.7	13.7
45°	1059.0	943.6	162.1	43.5	31.6	21.1	13.7	11.0	10.5	10.5	10.5
47.5°	1149.2	981.2	110.3	39.4	26.6	15.6	10.1	8.2	8.2	7.8	7.8
50°	1237.6	1006.8	76.0	35.3	21.5	11.0	7.3	6.9	6.9	6.4	6.4
52.5°	1301.7	1000.9	56.8	30.7	16.9	8.2	6.0	5.5	5.5	5.5	5.5
55°	1364.0	987.6	46.7	26.1	12.8	6.0	4.6	4.1	4.1	4.1	4.1
57.5°	1428.1	969.7	40.3	21.1	9.2	4.6	3.2	3.2	3.2	3.2	3.2
60°	1481.2	934.9	34.8	16.9	6.4	3.2	2.7	2.3	2.3	2.3	2.3
62.5°	1540.2	899.7	29.8	12.8	4.6	2.3	1.8	1.4	1.4	0.9	1.4
65°	1582.4	856.7	24.3	9.2	3.2	1.8	1.4	0.9	0.5	0.0	0.5
67.5°	1581.4	799.4	17.4	6.0	2.3	1.4	0.9	0.5	0.0	0.0	0.0
70°	1512.3	717.5	11.9	4.1	1.8	0.9	0.9	0.5	0.0	0.0	0.0
72°	1334.7	578.7	9.2	3.7	1.8	0.9	0.9	0.5	0.0	0.0	0.0
72.5°	1272.4	531.1	8.2	3.2	1.8	0.9	0.9	0.5	0.0	0.0	0.0
75°	808.1	221.1	6.4	2.7	1.8	0.9	0.9	0.5	0.5	0.5	0.0
77.5°	375.4	81.0	4.6	2.3	1.4	0.9	0.9	0.5	0.5	0.9	0.0
80°	82.0	23.8	3.2	2.3	1.4	0.9	0.9	0.9	0.9	1.4	0.0
82.5°	18.8	7.8	2.7	1.8	1.4	0.9	0.9	0.9	0.9	1.4	0.0
85°	6.9	4.6	2.7	2.3	1.8	0.9	0.9	1.4	1.4	1.8	0.0
87.5°	2.7	2.7	2.3	2.3	1.8	0.9	1.4	1.4	1.8	1.8	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)