

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: P415058

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415058
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-PA1-40-730-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3509 lumens
Efficiency: N/A
Efficacy: 87.7 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

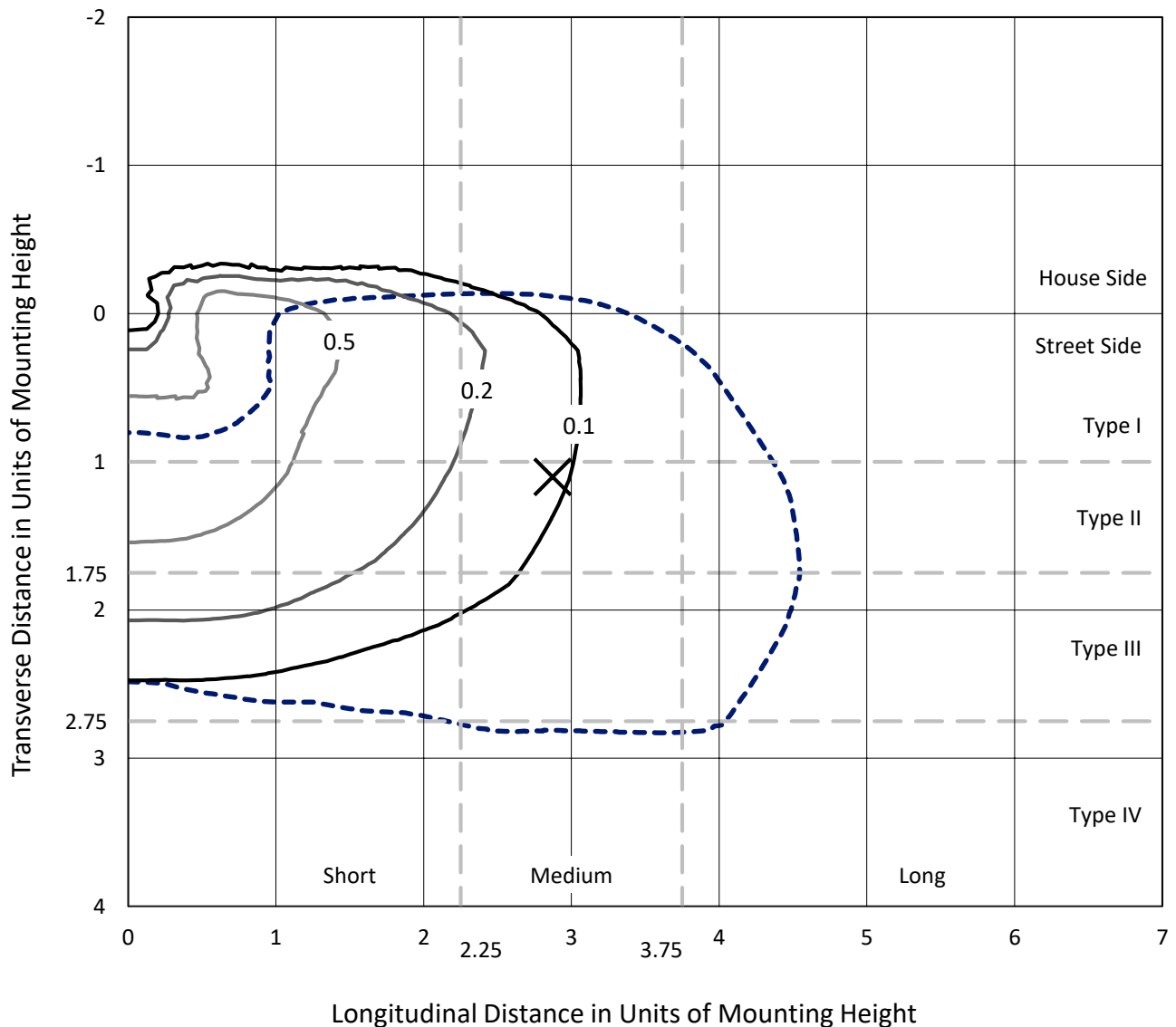
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

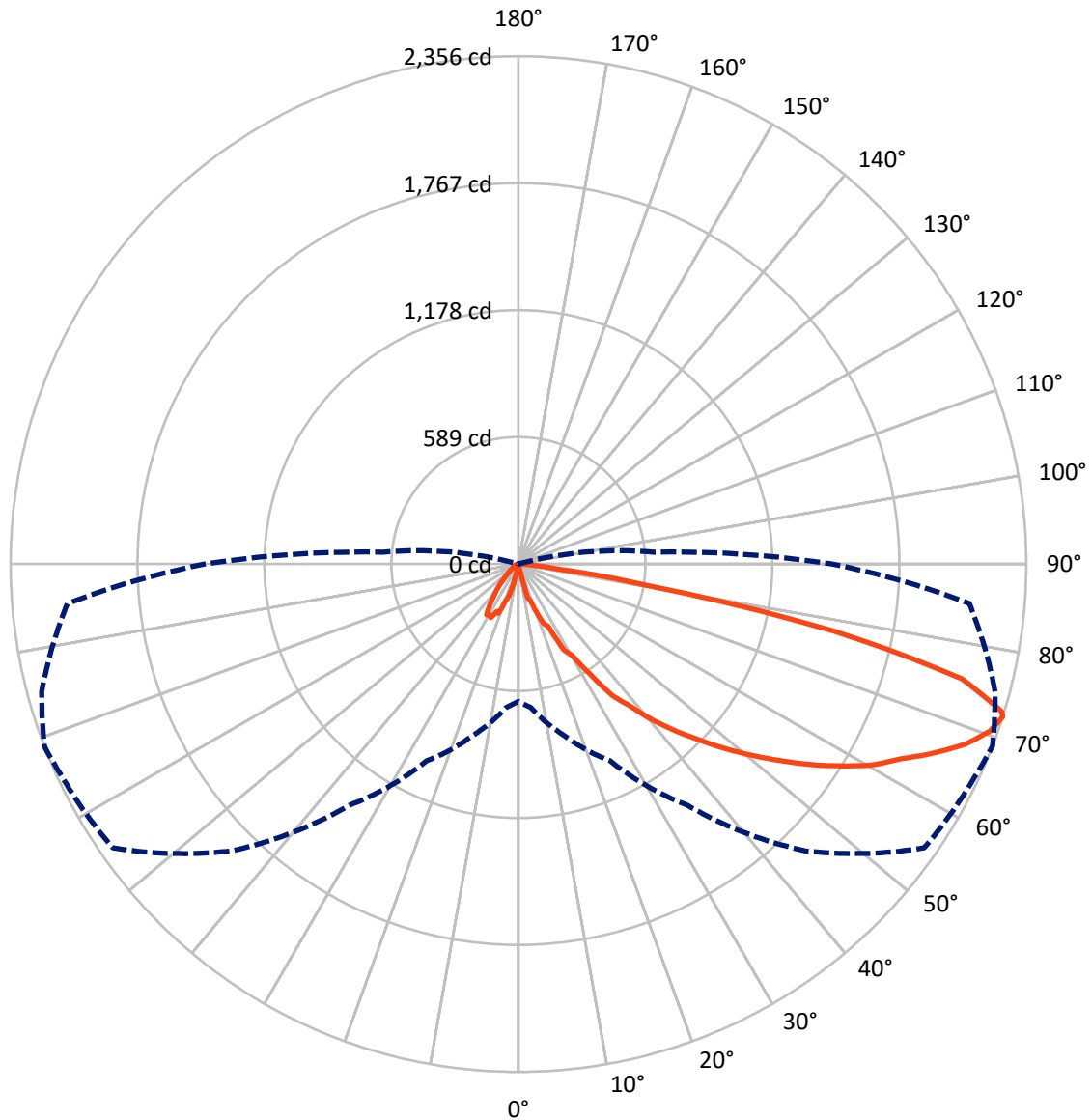


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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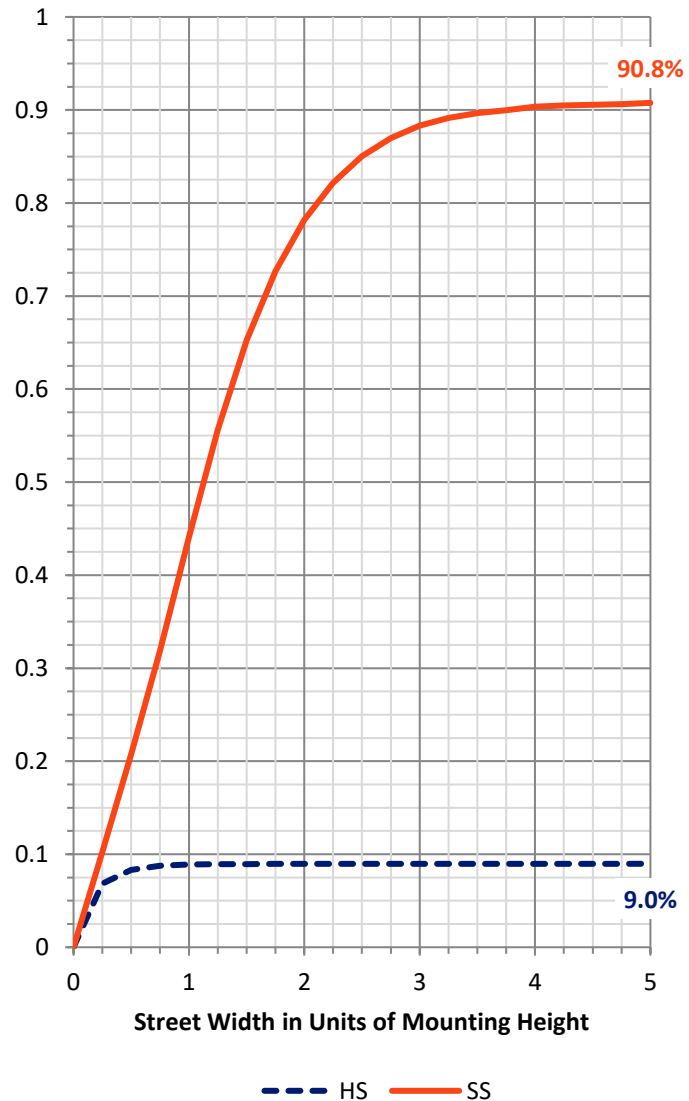
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	318.2	0.0	318.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3190.8	0.0	3190.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	3509.0	0.0	3509.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	30.5	0.9
20°-30°	109.3	3.1
30°-40°	279.1	8.0
40°-50°	552.4	15.7
50°-60°	870.4	24.8
60°-70°	1012.4	28.9
70°-80°	614.6	17.5
80°-90°	38.0	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°	3509.0	100.0
0°-180°	3509.0	100.0



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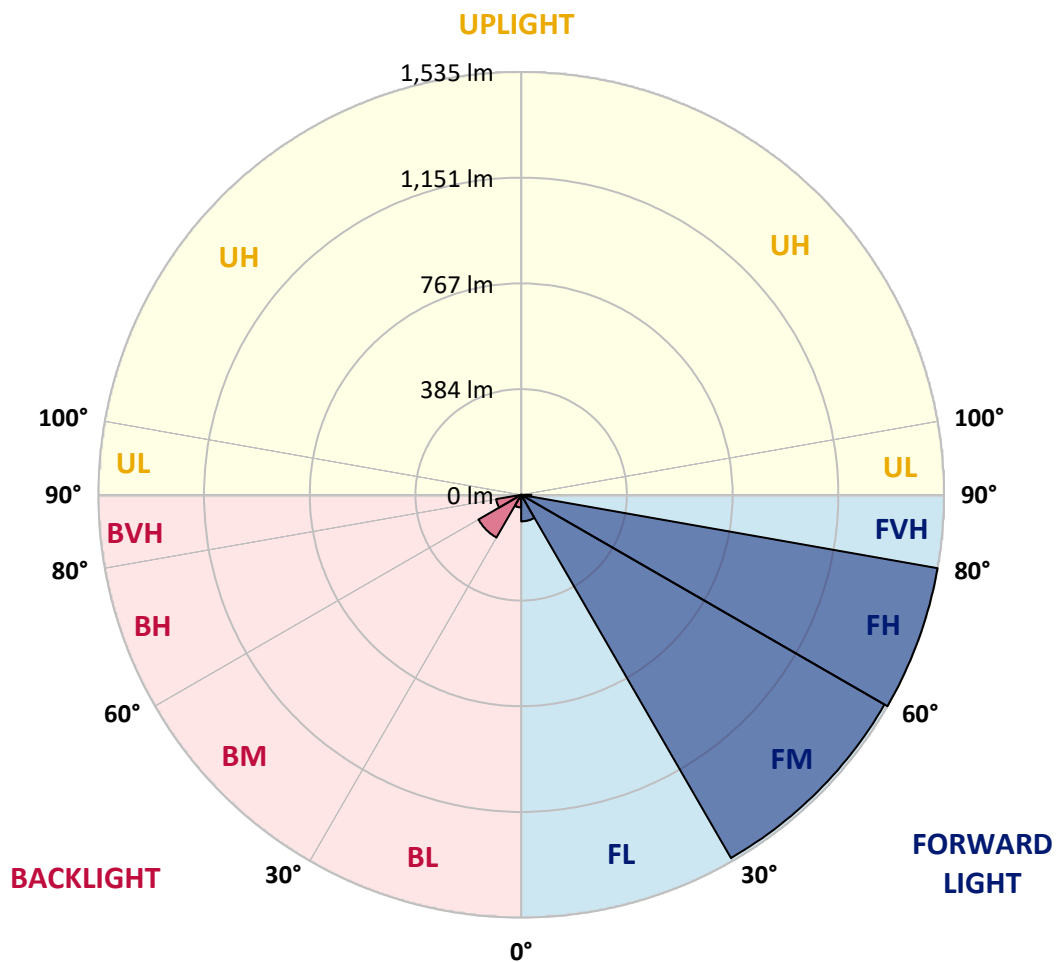
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.3	2.7			
FM	(30°-60°)	1522.8	43.4			
FH	(60°-80°)	1534.9	43.7			G1/1800
FVH	(80°-90°)	36.7	1.0			G1/100
BL	(0°-30°)	45.7	1.3	B0/110		
BM	(30°-60°)	179.1	5.1	B0/220		
BH	(60°-80°)	92.1	2.6	B0/110		G0/110
BVH	(80°-90°)	1.3	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5	1.5	1.5	1.5
5°	48.9	31.9	23.9	19.9	10.0	2.5	1.5	1.5	1.5	1.5	1.5
7.5°	75.3	75.3	75.8	76.3	77.8	65.3	14.0	1.5	1.5	1.5	1.5
10°	72.8	72.3	72.3	73.3	75.3	77.3	79.3	10.5	2.5	1.5	1.5
12.5°	142.1	140.6	130.6	91.3	74.8	75.8	79.8	60.8	17.0	10.0	57.3
15°	140.6	140.1	141.1	143.6	144.6	80.8	118.2	160.6	164.1	110.7	134.1
17.5°	153.6	149.1	142.1	143.1	147.6	173.5	167.0	174.0	177.5	124.2	145.1
20°	212.4	211.9	212.9	167.0	156.1	219.9	193.5	189.0	234.9	245.8	272.8
22.5°	216.9	215.9	217.4	222.4	249.8	229.9	280.2	286.7	300.2	332.1	311.7
25°	303.7	303.7	249.3	232.4	284.7	259.8	347.1	326.1	319.1	356.5	400.9
27.5°	366.5	362.5	349.5	324.6	296.2	367.5	369.5	445.8	452.3	497.6	506.1
30°	464.2	458.8	424.3	404.9	367.5	386.4	431.3	530.1	494.2	530.6	567.5
32.5°	687.1	679.1	635.8	510.1	463.2	418.9	517.1	568.9	604.4	703.1	743.5
35°	890.1	838.2	778.9	683.1	561.5	544.5	558.0	705.6	747.5	777.9	818.8
37.5°	1094.5	1095.5	1036.2	803.8	709.6	628.8	672.7	788.4	830.7	875.6	912.5
40°	1258.6	1233.6	1154.4	983.8	837.2	756.4	761.9	869.1	944.4	1000.8	1008.3
42.5°	1468.0	1457.5	1340.8	1148.4	1002.3	923.5	899.5	952.4	1052.1	1089.5	1112.5
45°	1668.5	1653.0	1553.8	1335.9	1178.8	1090.5	1057.6	1058.1	1156.3	1196.2	1229.2
47.5°	1818.5	1793.6	1740.3	1508.4	1400.7	1273.0	1204.7	1178.8	1274.5	1326.4	1344.8
50°	1975.6	1934.7	1892.3	1703.4	1592.2	1481.5	1350.8	1321.9	1391.2	1449.1	1464.0
52.5°	2080.8	2021.5	1992.1	1842.5	1763.7	1693.4	1496.9	1464.5	1513.9	1582.2	1570.2
55°	2027.5	2009.0	2040.9	1962.7	1886.4	1808.6	1656.0	1629.6	1642.5	1699.9	1671.4
57.5°	1916.3	1921.8	2016.0	2031.0	1996.6	1923.3	1798.6	1794.1	1767.7	1814.6	1777.7
60°	1800.1	1820.5	1951.7	2026.5	2051.4	2027.0	1949.2	1916.3	1892.8	1925.8	1896.8
62.5°	1644.5	1648.5	1824.5	1986.6	2030.5	2107.8	2054.4	2038.4	1990.1	2038.9	2027.0
65°	1449.1	1454.0	1619.6	1849.5	1967.6	2123.2	2136.7	2153.6	2116.2	2129.7	2167.6
67.5°	1230.6	1240.1	1384.7	1606.6	1832.5	2092.8	2205.0	2237.4	2234.4	2230.4	2267.8
70°	996.3	1002.8	1120.4	1314.9	1614.1	2009.0	2268.3	2309.7	2321.2	2293.3	2266.8
72°	637.3	668.7	824.3	1007.8	1366.3	1881.9	2296.7	2336.1	2356.1	2289.3	2099.8
72.5°	500.6	525.6	761.4	923.5	1281.5	1852.5	2291.3	2327.2	2345.6	2267.3	2029.0
75°	107.7	110.7	238.4	448.8	808.3	1419.1	2101.3	2105.8	2125.7	1975.6	1389.2
77.5°	46.4	46.9	66.3	148.1	290.2	725.5	1454.5	1495.9	1494.4	1278.5	671.7
80°	32.4	33.4	39.4	67.8	138.1	209.9	710.6	715.1	615.3	457.3	167.5
82.5°	17.0	18.0	27.9	40.4	93.7	76.8	229.9	231.9	171.0	107.7	38.9
85°	3.0	4.5	13.5	24.4	36.4	30.9	50.4	63.3	54.9	42.9	16.5
87.5°	0.5	0.5	3.5	3.5	5.0	3.0	5.0	5.5	6.0	9.0	4.5
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.5	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.0	45.9	61.8	65.8	70.3
10°	1.5	2.0	1.5	1.5	1.0	62.8	77.3	78.3	79.3	79.3	78.8
12.5°	63.3	64.8	22.9	4.5	58.3	79.8	75.8	69.3	63.3	61.3	60.8
15°	135.6	136.1	123.2	106.2	113.2	75.3	59.3	67.3	68.3	65.8	65.8
17.5°	146.1	146.1	139.6	170.5	143.1	75.3	62.3	51.4	43.9	41.9	41.4
20°	289.2	253.3	204.9	173.0	116.7	84.3	43.9	37.4	36.4	36.4	37.9
22.5°	312.1	307.7	266.8	233.4	100.2	59.3	42.9	42.9	50.9	49.9	49.4
25°	407.4	401.4	302.2	202.9	100.2	50.9	54.4	47.9	46.9	45.9	44.9
27.5°	515.1	502.6	424.8	183.5	70.8	53.4	51.9	45.4	53.9	53.9	53.4
30°	586.4	539.5	427.8	164.6	59.8	56.8	48.9	52.9	47.9	44.9	44.9
32.5°	759.9	738.5	523.1	116.2	56.8	51.4	51.4	45.4	40.4	41.9	41.4
35°	814.8	786.9	465.7	87.3	52.4	47.4	42.9	39.9	34.4	30.9	30.4
37.5°	882.6	846.2	390.9	67.3	51.4	41.9	35.4	30.4	26.4	26.4	25.9
40°	965.9	910.5	319.6	57.3	45.4	35.9	27.4	23.4	20.9	19.4	18.9
42.5°	1057.1	971.4	245.8	51.9	39.4	29.4	20.4	17.0	15.5	15.0	15.0
45°	1153.4	1027.7	176.5	47.4	34.4	22.9	15.0	12.0	11.5	11.5	11.5
47.5°	1251.6	1068.6	120.2	42.9	28.9	17.0	11.0	9.0	9.0	8.5	8.5
50°	1347.8	1096.5	82.8	38.4	23.4	12.0	8.0	7.5	7.5	7.0	7.0
52.5°	1417.6	1090.0	61.8	33.4	18.4	9.0	6.5	6.0	6.0	6.0	6.0
55°	1485.5	1075.6	50.9	28.4	14.0	6.5	5.0	4.5	4.5	4.5	4.5
57.5°	1555.3	1056.1	43.9	22.9	10.0	5.0	3.5	3.5	3.5	3.5	3.5
60°	1613.1	1018.2	37.9	18.4	7.0	3.5	3.0	2.5	2.5	2.5	2.5
62.5°	1677.4	979.8	32.4	14.0	5.0	2.5	2.0	1.5	1.5	1.0	1.5
65°	1723.3	933.0	26.4	10.0	3.5	2.0	1.5	1.0	0.5	0.0	0.5
67.5°	1722.3	870.6	18.9	6.5	2.5	1.5	1.0	0.5	0.0	0.0	0.0
70°	1647.0	781.4	13.0	4.5	2.0	1.0	1.0	0.5	0.0	0.0	0.0
72°	1453.5	630.3	10.0	4.0	2.0	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	1385.7	578.4	9.0	3.5	2.0	1.0	1.0	0.5	0.0	0.0	0.0
75°	880.1	240.8	7.0	3.0	2.0	1.0	1.0	0.5	0.5	0.5	0.0
77.5°	408.9	88.3	5.0	2.5	1.5	1.0	1.0	0.5	0.5	1.0	0.0
80°	89.3	25.9	3.5	2.5	1.5	1.0	1.0	1.0	1.0	1.5	0.0
82.5°	20.4	8.5	3.0	2.0	1.5	1.0	1.0	1.0	1.0	1.5	0.0
85°	7.5	5.0	3.0	2.5	2.0	1.0	1.0	1.5	1.5	2.0	0.0
87.5°	3.0	3.0	2.5	2.5	2.0	1.0	1.5	1.5	2.0	2.0	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)