

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: P415083

Luminaire Tested: **LXF.LXT-PA1-40-740-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-740-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4217 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

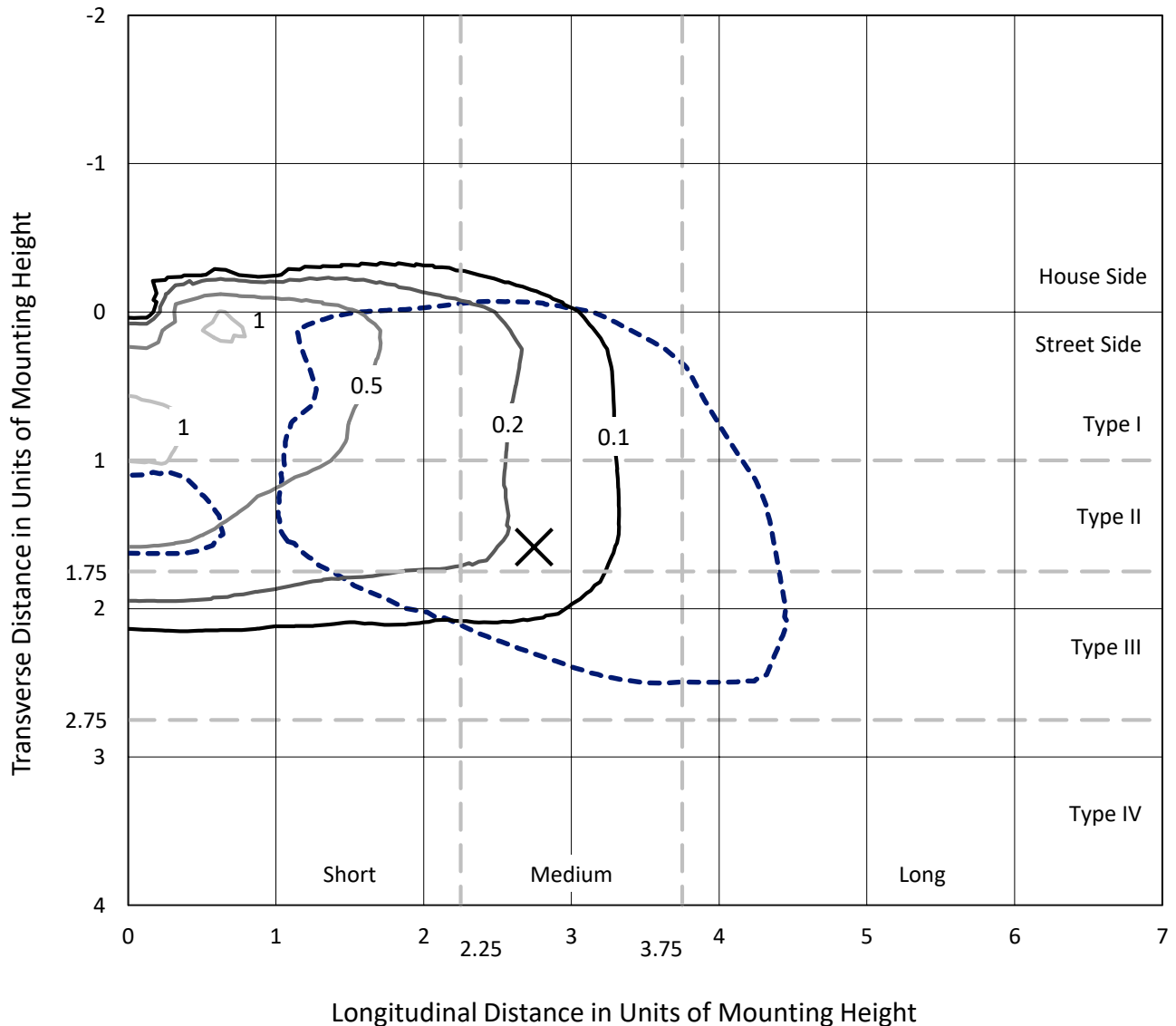
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

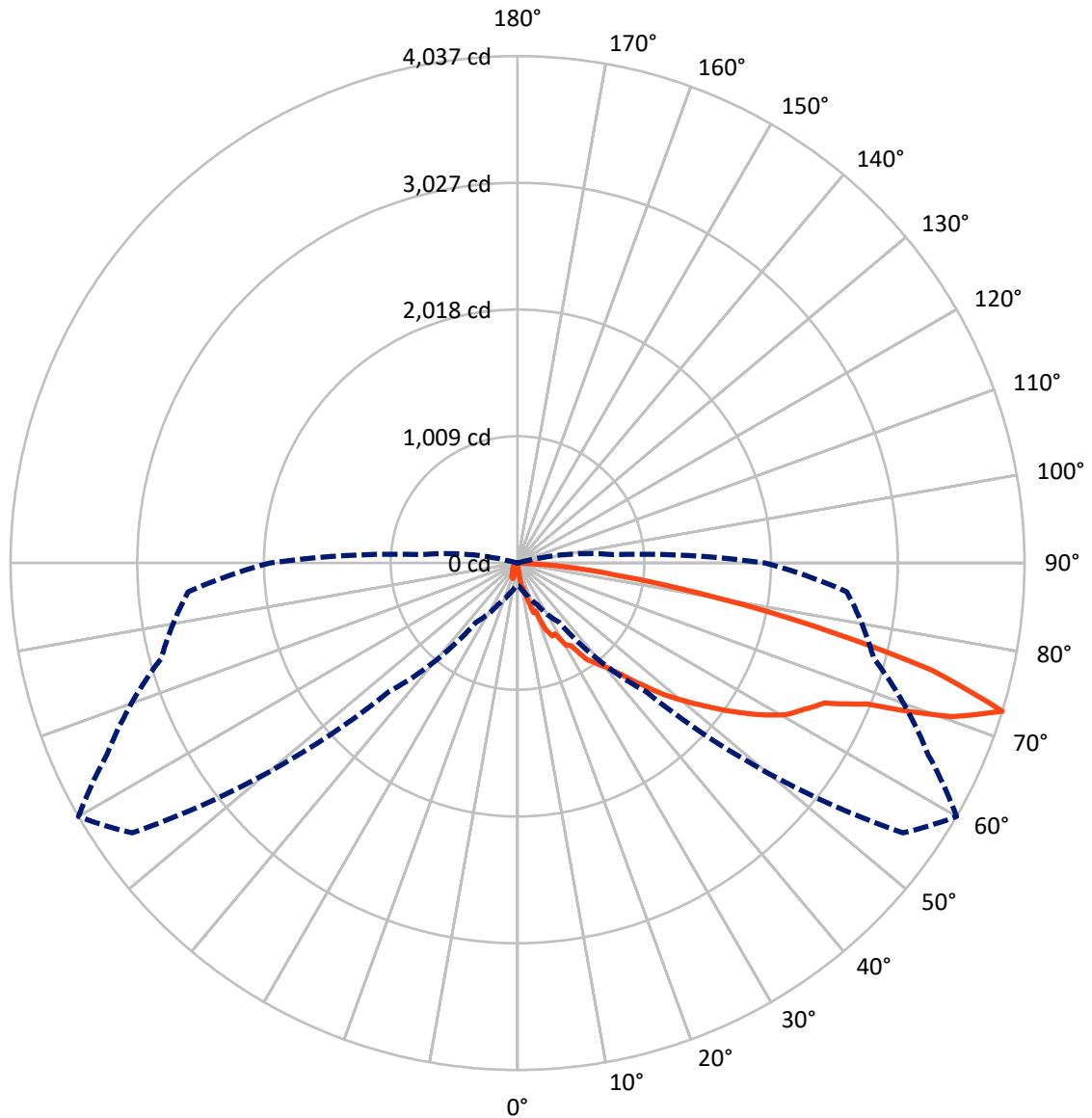


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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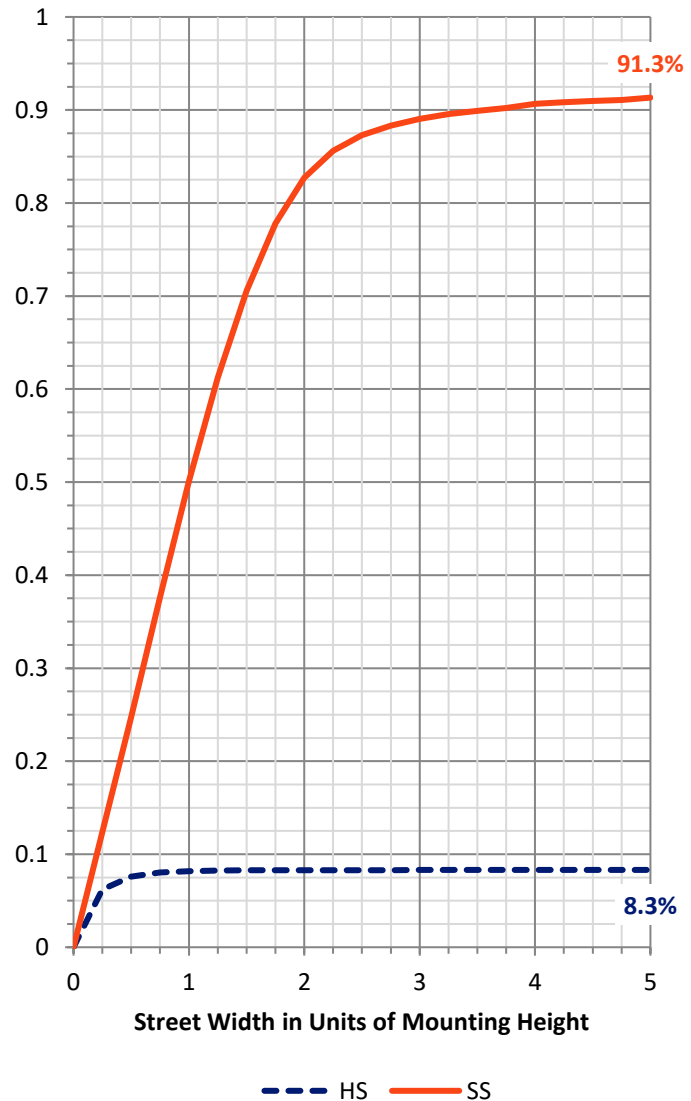
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	353.7	0.0	353.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3863.3	0.0	3863.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	4217.0	0.0	4217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	58.7	1.4
20°-30°	183.7	4.4
30°-40°	396.0	9.4
40°-50°	673.3	16.0
50°-60°	995.4	23.6
60°-70°	1082.7	25.7
70°-80°	737.9	17.5
80°-90°	83.7	2.0
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°	4217.0	100.0
0°-180°	4217.0	100.0

Coefficient of Utilization



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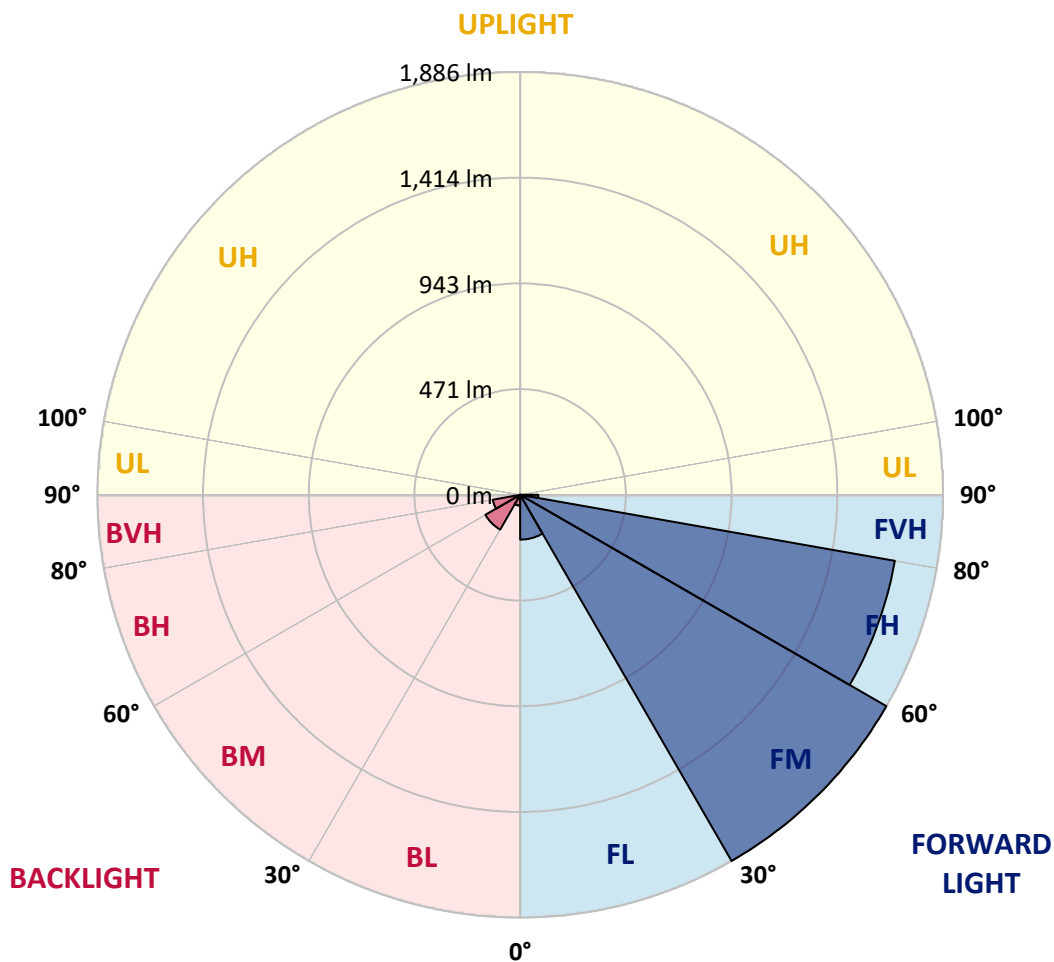
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.7	4.7			
FM	(30°-60°)	1885.8	44.7			
FH	(60°-80°)	1696.7	40.2			G1/1800
FVH	(80°-90°)	81.2	1.9			G1/100
BL	(0°-30°)	48.3	1.1	B0/110		
BM	(30°-60°)	178.9	4.2	B0/220		
BH	(60°-80°)	123.9	2.9	B1/500		G1/500
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	3.8	2.7	2.7	2.2	1.6	1.6	1.6	2.2	2.2	1.6	2.2
5°	215.7	213.0	213.0	214.1	139.1	23.5	13.1	5.5	2.2	2.2	2.2
7.5°	204.8	202.6	203.7	206.4	208.0	210.8	210.8	64.6	20.8	2.2	2.2
10°	209.7	208.0	199.3	197.6	200.9	203.7	204.8	209.7	203.7	6.0	2.2
12.5°	369.0	366.3	366.3	371.2	215.7	197.1	199.3	204.2	176.3	23.0	12.6
15°	353.1	350.9	351.5	357.5	365.7	259.5	204.8	303.3	389.3	351.5	279.2
17.5°	492.7	424.3	366.8	349.3	350.9	362.4	396.9	417.2	395.8	400.2	304.4
20°	503.1	499.3	497.1	500.9	359.1	477.9	504.8	409.5	398.6	428.7	561.7
22.5°	520.6	511.9	494.4	492.2	552.9	470.8	488.9	572.7	588.0	627.9	584.7
25°	705.1	698.6	680.5	517.9	567.2	540.9	616.5	644.4	635.1	661.3	634.0
27.5°	774.7	762.1	723.2	672.3	602.2	637.8	623.6	638.9	701.3	911.0	894.0
30°	1085.6	1052.2	944.9	774.1	716.1	664.1	725.4	757.7	810.3	932.3	916.5
32.5°	1179.8	1144.2	1066.5	985.4	848.6	752.8	798.2	784.0	821.8	1137.6	1203.3
35°	1454.1	1437.7	1297.5	1072.5	1037.5	888.0	838.2	936.2	992.0	1153.5	1264.7
37.5°	1457.4	1458.5	1450.3	1298.1	1137.6	998.0	1007.3	1011.2	1054.4	1229.1	1335.8
40°	1503.9	1511.6	1531.8	1416.9	1281.6	1157.4	1132.7	1094.4	1132.7	1313.9	1433.3
42.5°	1601.4	1606.8	1651.7	1531.8	1395.5	1281.6	1294.2	1215.9	1243.9	1474.3	1565.8
45°	1772.7	1769.4	1825.8	1652.8	1501.7	1423.4	1437.7	1377.4	1360.5	1605.7	1721.3
47.5°	1966.5	1978.6	1976.4	1786.4	1607.4	1555.4	1596.4	1564.1	1497.3	1773.3	1902.5
50°	2149.9	2146.1	2089.2	1862.0	1701.5	1684.6	1779.3	1726.2	1665.4	1943.5	2077.1
52.5°	2216.7	2220.0	2152.1	1907.4	1782.0	1812.7	1954.5	1900.8	1822.0	2065.1	2250.7
55°	2204.7	2209.0	2170.7	1953.9	1842.2	1932.6	2136.2	2090.2	2001.6	2197.0	2381.0
57.5°	2091.9	2091.9	2123.1	1982.9	1900.8	2039.9	2298.3	2279.7	2170.2	2306.5	2458.7
60°	1803.9	1834.6	1932.6	1947.9	1969.8	2155.9	2458.7	2452.7	2319.6	2408.9	2504.7
62.5°	1387.3	1397.1	1613.9	1778.2	1975.3	2312.0	2593.9	2564.9	2430.2	2440.1	2537.0
65°	786.7	831.6	1032.0	1447.0	1863.0	2475.1	2811.3	2687.0	2527.1	2477.3	2655.8
67.5°	423.7	440.2	551.9	876.0	1526.9	2493.2	3304.0	2996.9	2757.1	2673.3	2888.5
70°	273.7	291.3	351.5	481.2	957.5	2204.7	3767.7	3664.2	3231.7	2941.6	2924.0
72.5°	177.9	188.3	253.5	362.4	575.9	1452.4	3746.3	4036.5	3606.7	2936.6	2632.2
75°	72.3	79.4	127.0	301.7	486.7	711.7	2874.2	3403.6	3386.1	2609.8	2037.1
77.5°	36.1	38.3	56.4	163.1	432.0	492.7	1818.7	2400.7	2410.5	1902.5	1132.7
80°	23.5	23.0	32.3	76.6	294.5	448.4	1017.2	1474.9	1379.1	721.6	317.5
82.5°	9.3	9.9	17.5	43.8	123.2	405.7	580.3	793.8	620.8	140.7	91.4
85°	1.6	1.6	5.5	23.5	38.9	185.6	374.5	384.3	255.1	44.3	46.0
87.5°	0.5	0.5	1.1	1.6	2.7	4.4	16.4	7.7	4.9	7.7	8.8
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	2.2	2.2	2.2	1.6	1.6	1.1	0.0	0.0	0.5	0.5	0.5
5°	2.2	2.2	2.2	1.6	1.6	0.5	0.0	0.0	0.5	0.5	0.5
7.5°	2.2	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.5	0.5	0.5
10°	2.2	2.2	2.2	1.6	1.1	0.5	15.9	101.3	104.6	105.1	104.0
12.5°	13.7	14.2	7.7	1.6	1.1	94.2	93.6	78.3	68.4	64.6	59.7
15°	297.3	282.5	233.8	138.0	76.1	77.2	56.9	42.2	33.9	31.8	30.7
17.5°	294.5	273.2	215.2	125.9	132.5	58.0	30.7	33.9	44.3	44.9	44.9
20°	553.5	485.6	210.2	140.7	89.2	50.4	40.0	42.2	42.2	42.7	42.2
22.5°	577.0	509.1	314.8	179.6	64.1	53.1	45.4	39.4	40.5	52.6	50.9
25°	582.0	499.3	291.8	140.7	61.9	53.1	49.8	48.2	54.2	54.2	54.7
27.5°	838.7	701.9	353.7	105.7	61.3	55.3	55.3	50.4	48.7	48.2	48.7
30°	837.1	677.8	301.7	89.2	59.1	54.7	49.8	44.9	54.2	54.7	54.7
32.5°	1098.8	866.6	291.8	72.3	59.1	50.4	43.8	46.5	43.3	43.3	43.3
35°	1114.1	844.7	229.9	75.0	52.6	46.0	42.7	36.1	38.3	38.9	37.8
37.5°	1143.7	829.4	174.6	67.9	52.6	42.7	35.0	32.3	30.1	29.6	29.6
40°	1196.8	830.5	134.7	62.4	49.3	38.9	31.2	26.3	27.4	27.4	26.8
42.5°	1276.2	846.4	105.7	57.5	44.3	34.5	26.3	23.5	21.9	21.9	21.4
45°	1381.3	880.3	86.5	53.7	40.5	29.6	21.4	19.2	17.5	17.5	17.0
47.5°	1511.6	928.0	75.6	49.8	36.1	24.6	17.5	15.3	14.2	13.7	13.7
50°	1650.6	984.9	69.5	46.5	31.2	19.7	14.2	12.0	10.9	10.9	10.4
52.5°	1794.6	1050.1	64.6	44.3	26.8	16.4	10.9	8.8	8.2	7.7	8.2
55°	1911.2	1089.5	61.3	43.8	22.4	13.1	8.2	6.6	6.0	5.5	5.5
57.5°	1987.9	1110.8	56.9	40.5	18.1	9.9	6.0	4.4	3.8	3.8	3.8
60°	2048.1	1122.9	51.5	32.3	14.2	7.1	3.8	2.7	2.7	2.7	2.7
62.5°	2095.7	1131.1	43.3	25.2	10.9	4.9	2.7	1.6	1.6	1.6	1.6
65°	2237.0	1179.3	33.4	19.2	8.2	3.3	1.6	1.1	0.5	1.1	1.1
67.5°	2408.9	1199.5	24.6	13.7	6.0	2.2	1.1	0.5	0.5	0.5	1.1
70°	2341.0	1045.1	18.1	9.9	4.4	1.6	1.1	0.5	0.5	0.5	1.1
72.5°	1967.1	763.7	13.1	7.1	3.3	1.6	1.1	0.5	0.5	1.1	1.1
75°	1414.7	430.9	10.4	4.9	2.7	1.6	1.1	1.1	1.1	1.6	1.6
77.5°	665.7	160.4	10.4	4.4	2.7	1.6	1.1	1.1	1.6	2.2	1.1
80°	161.5	40.0	10.4	3.8	2.7	1.6	1.6	1.6	2.2	2.2	1.1
82.5°	54.2	17.0	7.7	3.3	2.7	1.6	1.6	2.2	2.2	2.7	1.6
85°	32.8	10.9	5.5	3.8	3.3	1.6	2.2	2.2	2.7	3.3	1.6
87.5°	5.5	4.4	3.8	3.8	3.3	2.2	2.2	2.7	2.7	3.3	2.2
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)