

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: P414667

Luminaire Tested: **LXF.LXT-PA1-30-740-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414667
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-PA1-30-740-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA 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: 3257 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): 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

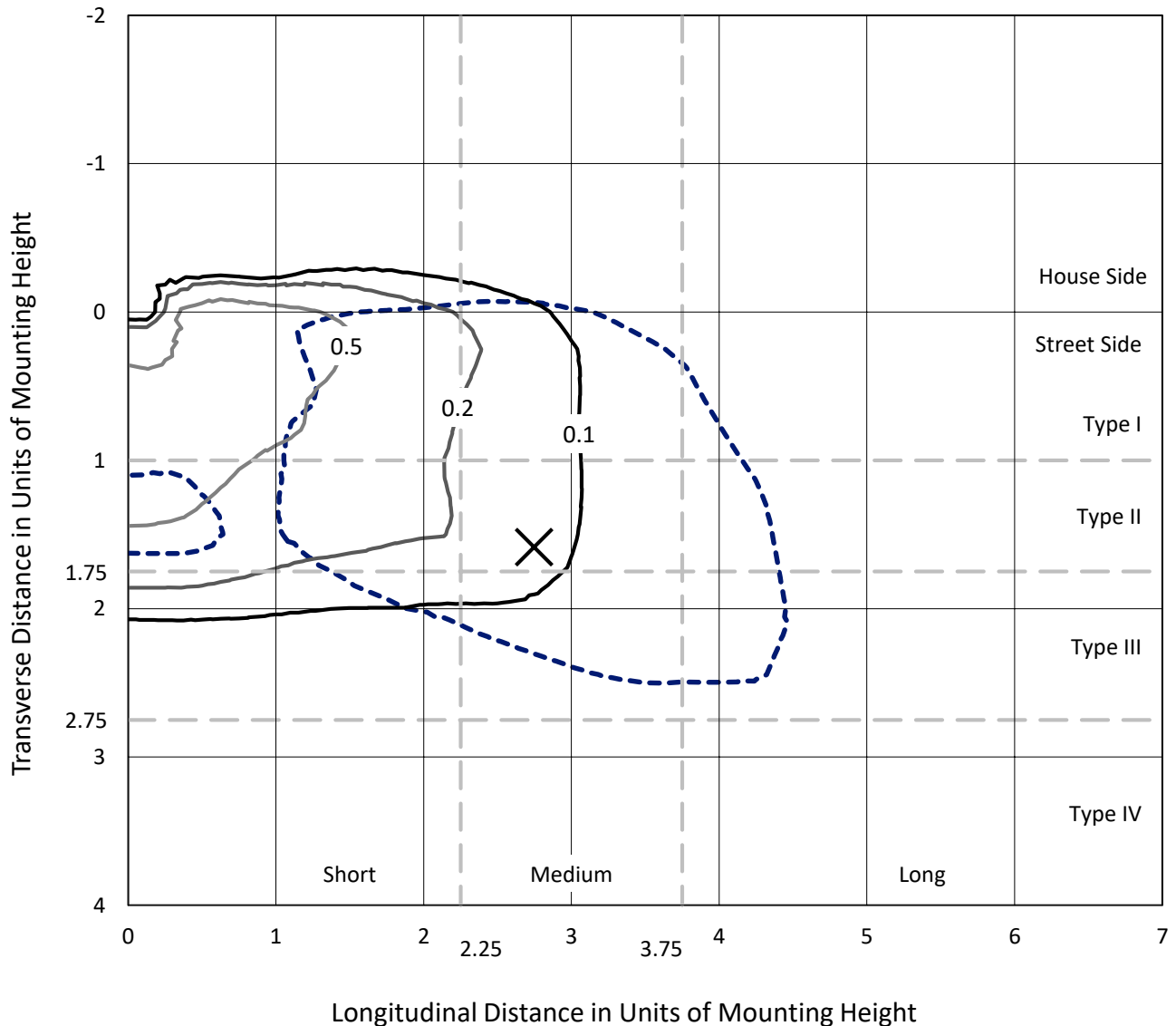


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Iso-Footcandle Lines of Horizontal Illumination

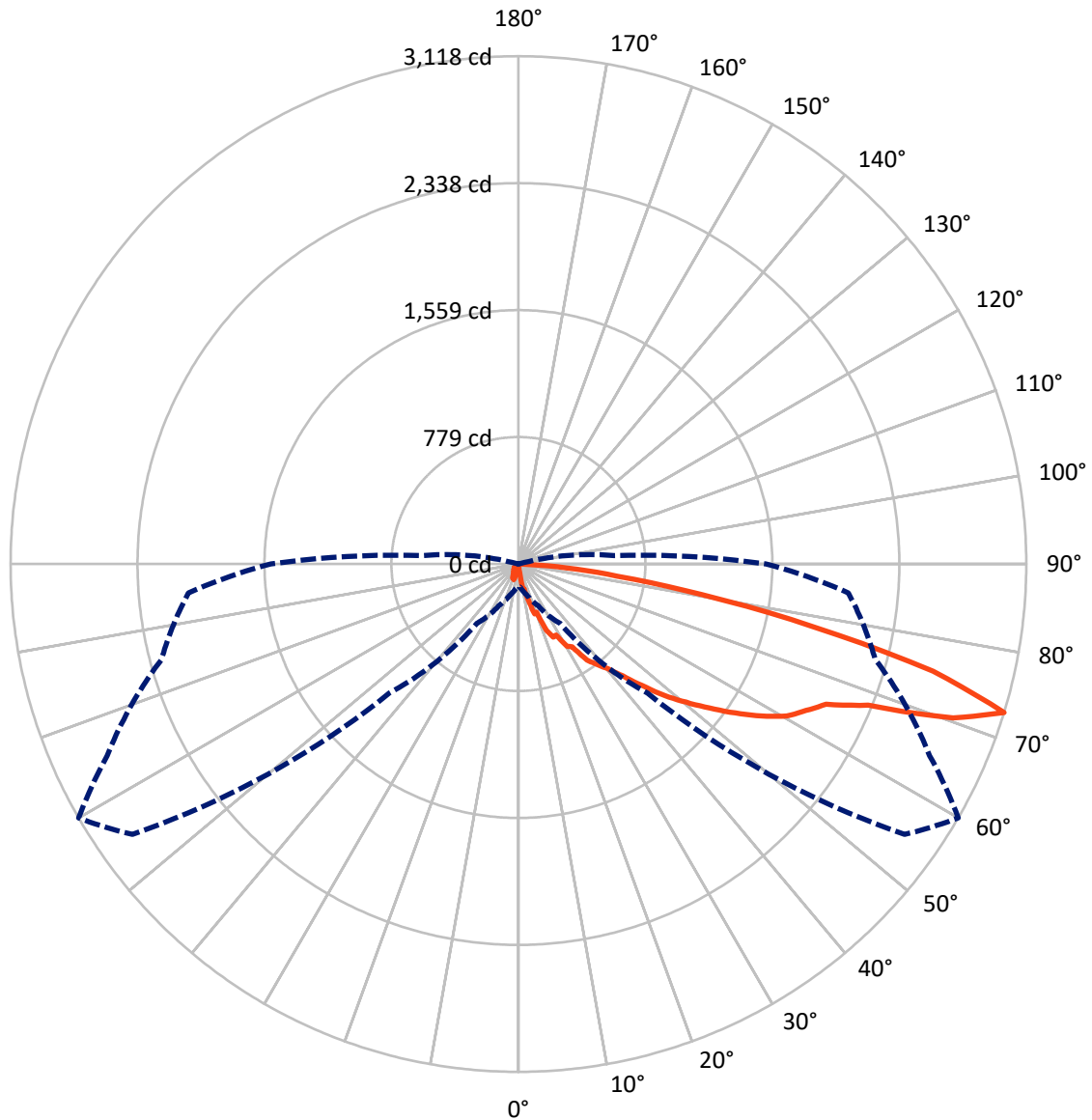
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type 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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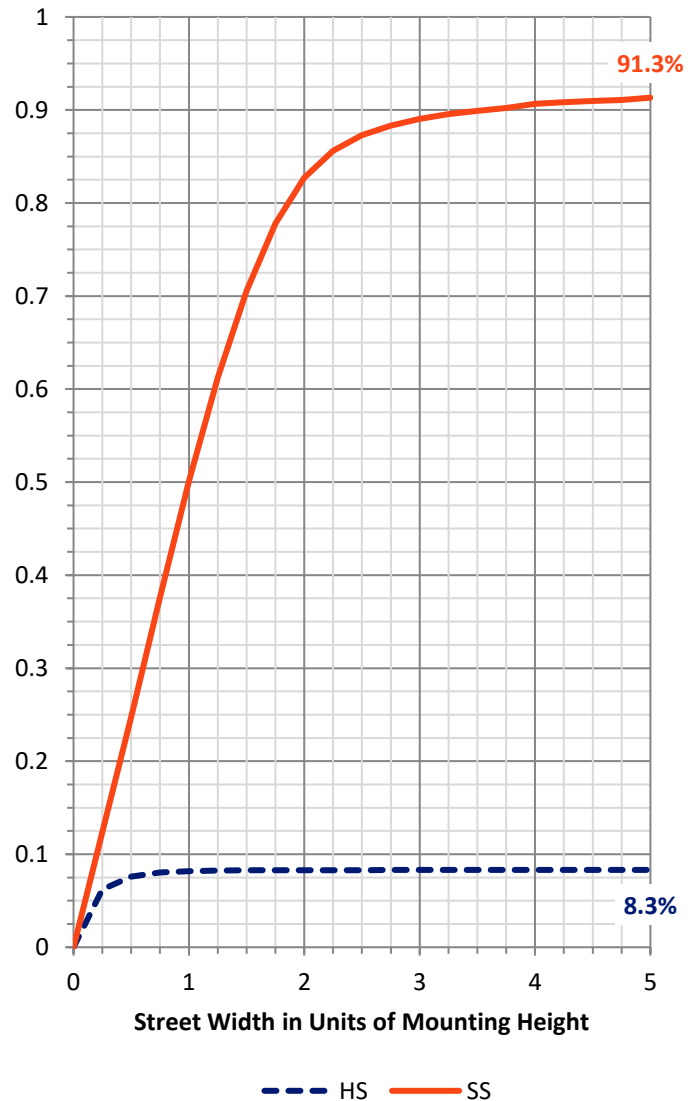
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	273.2	0.0	273.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2983.8	0.0	2983.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	3257.0	0.0	3257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	45.4	1.4
20°-30°	141.9	4.4
30°-40°	305.8	9.4
40°-50°	520.0	16.0
50°-60°	768.8	23.6
60°-70°	836.2	25.7
70°-80°	569.9	17.5
80°-90°	64.6	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°	3257.0	100.0
0°-180°	3257.0	100.0

Coefficient of Utilization



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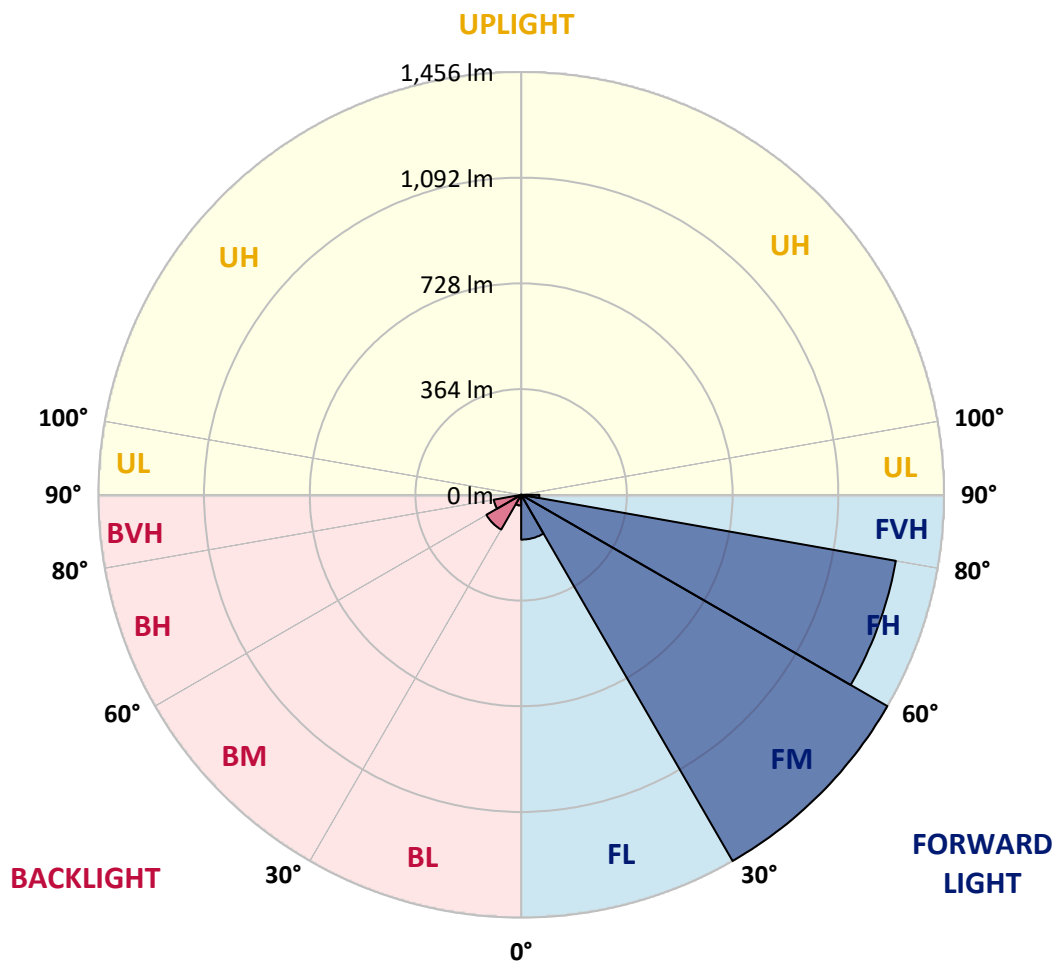
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.3	4.7			
FM	(30°-60°)	1456.5	44.7			
FH	(60°-80°)	1310.4	40.2			G1/1800
FVH	(80°-90°)	62.7	1.9			G1/100
BL	(0°-30°)	37.3	1.1	B0/110		
BM	(30°-60°)	138.1	4.2	B0/220		
BH	(60°-80°)	95.7	2.9	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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°	3.0	2.1	2.1	1.7	1.3	1.3	1.3	1.7	1.7	1.3	1.7
5°	166.6	164.5	164.5	165.3	107.4	18.2	10.1	4.2	1.7	1.7	1.7
7.5°	158.1	156.5	157.3	159.4	160.7	162.8	162.8	49.9	16.1	1.7	1.7
10°	161.9	160.7	153.9	152.6	155.2	157.3	158.1	161.9	157.3	4.7	1.7
12.5°	285.0	282.9	282.9	286.7	166.6	152.2	153.9	157.7	136.2	17.8	9.7
15°	272.7	271.0	271.5	276.1	282.5	200.4	158.1	234.3	300.6	271.5	215.6
17.5°	380.6	327.7	283.3	269.8	271.0	279.9	306.6	322.2	305.7	309.1	235.1
20°	388.6	385.6	383.9	386.9	277.4	369.1	389.9	316.3	307.8	331.1	433.8
22.5°	402.1	395.4	381.8	380.1	427.1	363.6	377.6	442.3	454.1	485.0	451.6
25°	544.6	539.5	525.6	400.0	438.1	417.8	476.1	497.7	490.5	510.8	489.6
27.5°	598.3	588.6	558.6	519.2	465.1	492.6	481.6	493.5	541.7	703.6	690.5
30°	838.5	812.7	729.8	597.9	553.1	512.9	560.3	585.2	625.8	720.1	707.8
32.5°	911.2	883.7	823.7	761.1	655.4	581.4	616.5	605.5	634.7	878.7	929.4
35°	1123.1	1110.4	1002.1	828.3	801.3	685.8	647.4	723.1	766.2	890.9	976.8
37.5°	1125.6	1126.4	1120.1	1002.6	878.7	770.8	778.0	781.0	814.4	949.3	1031.7
40°	1161.5	1167.5	1183.1	1094.3	989.9	893.9	874.9	845.3	874.9	1014.8	1107.0
42.5°	1236.8	1241.0	1275.7	1183.1	1077.8	989.9	999.6	939.1	960.7	1138.7	1209.3
45°	1369.2	1366.6	1410.2	1276.6	1159.8	1099.4	1110.4	1063.9	1050.8	1240.2	1329.4
47.5°	1518.8	1528.1	1526.5	1379.7	1241.5	1201.3	1233.0	1208.1	1156.5	1369.6	1469.4
50°	1660.5	1657.5	1613.6	1438.1	1314.2	1301.1	1374.2	1333.2	1286.3	1501.1	1604.3
52.5°	1712.1	1714.6	1662.2	1473.2	1376.3	1400.0	1509.5	1468.1	1407.2	1595.0	1738.3
55°	1702.8	1706.2	1676.6	1509.1	1422.9	1492.6	1649.9	1614.4	1545.9	1696.9	1838.9
57.5°	1615.7	1615.7	1639.8	1531.5	1468.1	1575.5	1775.1	1760.7	1676.1	1781.4	1899.0
60°	1393.3	1416.9	1492.6	1504.5	1521.4	1665.1	1899.0	1894.3	1791.6	1860.5	1934.5
62.5°	1071.5	1079.1	1246.5	1373.4	1525.6	1785.7	2003.4	1981.0	1877.0	1884.6	1959.4
65°	607.6	642.3	797.1	1117.6	1438.9	1911.7	2171.3	2075.3	1951.8	1913.3	2051.2
67.5°	327.3	340.0	426.2	676.5	1179.3	1925.6	2551.8	2314.6	2129.4	2064.7	2230.9
70°	211.4	225.0	271.5	371.7	739.5	1702.8	2910.0	2830.1	2496.0	2271.9	2258.4
72.5°	137.4	145.5	195.8	279.9	444.8	1121.8	2893.5	3117.6	2785.7	2268.1	2033.0
75°	55.8	61.3	98.1	233.0	375.9	549.7	2219.9	2628.8	2615.3	2015.7	1573.4
77.5°	27.9	29.6	43.6	126.0	333.6	380.6	1404.7	1854.2	1861.8	1469.4	874.9
80°	18.2	17.8	24.9	59.2	227.5	346.3	785.6	1139.1	1065.1	557.3	245.2
82.5°	7.2	7.6	13.5	33.8	95.1	313.3	448.2	613.1	479.5	108.7	70.6
85°	1.3	1.3	4.2	18.2	30.0	143.3	289.2	296.8	197.0	34.3	35.5
87.5°	0.4	0.4	0.8	1.3	2.1	3.4	12.7	5.9	3.8	5.9	6.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.7	1.7	1.7	1.3	1.3	0.8	0.0	0.0	0.4	0.4	0.4
5°	1.7	1.7	1.7	1.3	1.3	0.4	0.0	0.0	0.4	0.4	0.4
7.5°	1.7	1.7	1.7	1.3	0.8	0.4	0.0	0.0	0.4	0.4	0.4
10°	1.7	1.7	1.7	1.3	0.8	0.4	12.3	78.2	80.8	81.2	80.3
12.5°	10.6	11.0	5.9	1.3	0.8	72.7	72.3	60.5	52.9	49.9	46.1
15°	229.6	218.2	180.6	106.6	58.8	59.6	44.0	32.6	26.2	24.5	23.7
17.5°	227.5	211.0	166.2	97.3	102.3	44.8	23.7	26.2	34.3	34.7	34.7
20°	427.5	375.1	162.4	108.7	68.9	38.9	30.9	32.6	32.6	33.0	32.6
22.5°	445.7	393.2	243.1	138.7	49.5	41.0	35.1	30.4	31.3	40.6	39.3
25°	449.5	385.6	225.4	108.7	47.8	41.0	38.5	37.2	41.9	41.9	42.3
27.5°	647.8	542.1	273.2	81.6	47.4	42.7	42.7	38.9	37.6	37.2	37.6
30°	646.5	523.5	233.0	68.9	45.7	42.3	38.5	34.7	41.9	42.3	42.3
32.5°	848.6	669.4	225.4	55.8	45.7	38.9	33.8	35.9	33.4	33.4	33.4
35°	860.5	652.4	177.6	57.9	40.6	35.5	33.0	27.9	29.6	30.0	29.2
37.5°	883.3	640.6	134.9	52.4	40.6	33.0	27.1	24.9	23.3	22.8	22.8
40°	924.3	641.4	104.0	48.2	38.1	30.0	24.1	20.3	21.1	21.1	20.7
42.5°	985.6	653.7	81.6	44.4	34.3	26.6	20.3	18.2	16.9	16.9	16.5
45°	1066.8	679.9	66.8	41.4	31.3	22.8	16.5	14.8	13.5	13.5	13.1
47.5°	1167.5	716.7	58.4	38.5	27.9	19.0	13.5	11.8	11.0	10.6	10.6
50°	1274.9	760.7	53.7	35.9	24.1	15.2	11.0	9.3	8.5	8.5	8.0
52.5°	1386.1	811.0	49.9	34.3	20.7	12.7	8.5	6.8	6.3	5.9	6.3
55°	1476.1	841.5	47.4	33.8	17.3	10.1	6.3	5.1	4.7	4.2	4.2
57.5°	1535.3	857.9	44.0	31.3	14.0	7.6	4.7	3.4	3.0	3.0	3.0
60°	1581.8	867.2	39.7	24.9	11.0	5.5	3.0	2.1	2.1	2.1	2.1
62.5°	1618.6	873.6	33.4	19.5	8.5	3.8	2.1	1.3	1.3	1.3	1.3
65°	1727.7	910.8	25.8	14.8	6.3	2.5	1.3	0.8	0.4	0.8	0.8
67.5°	1860.5	926.4	19.0	10.6	4.7	1.7	0.8	0.4	0.4	0.4	0.8
70°	1808.1	807.2	14.0	7.6	3.4	1.3	0.8	0.4	0.4	0.4	0.8
72.5°	1519.3	589.9	10.1	5.5	2.5	1.3	0.8	0.4	0.4	0.8	0.8
75°	1092.6	332.8	8.0	3.8	2.1	1.3	0.8	0.8	0.8	1.3	1.3
77.5°	514.2	123.9	8.0	3.4	2.1	1.3	0.8	0.8	1.3	1.7	0.8
80°	124.7	30.9	8.0	3.0	2.1	1.3	1.3	1.3	1.7	1.7	0.8
82.5°	41.9	13.1	5.9	2.5	2.1	1.3	1.3	1.7	1.7	2.1	1.3
85°	25.4	8.5	4.2	3.0	2.5	1.3	1.7	1.7	2.1	2.5	1.3
87.5°	4.2	3.4	3.0	3.0	2.5	1.7	1.7	2.1	2.1	2.5	1.7
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)