

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: P415309

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2941 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

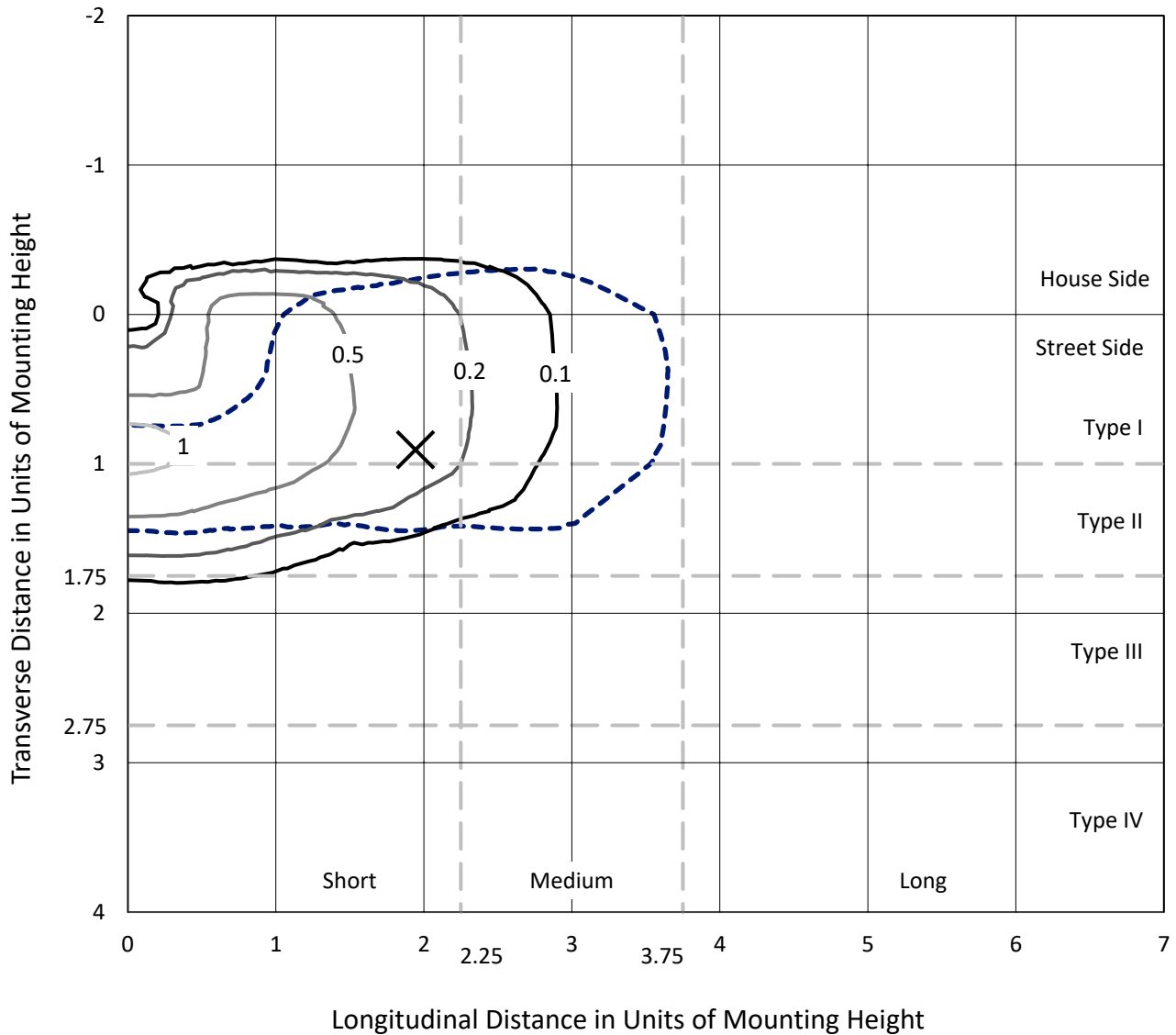
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

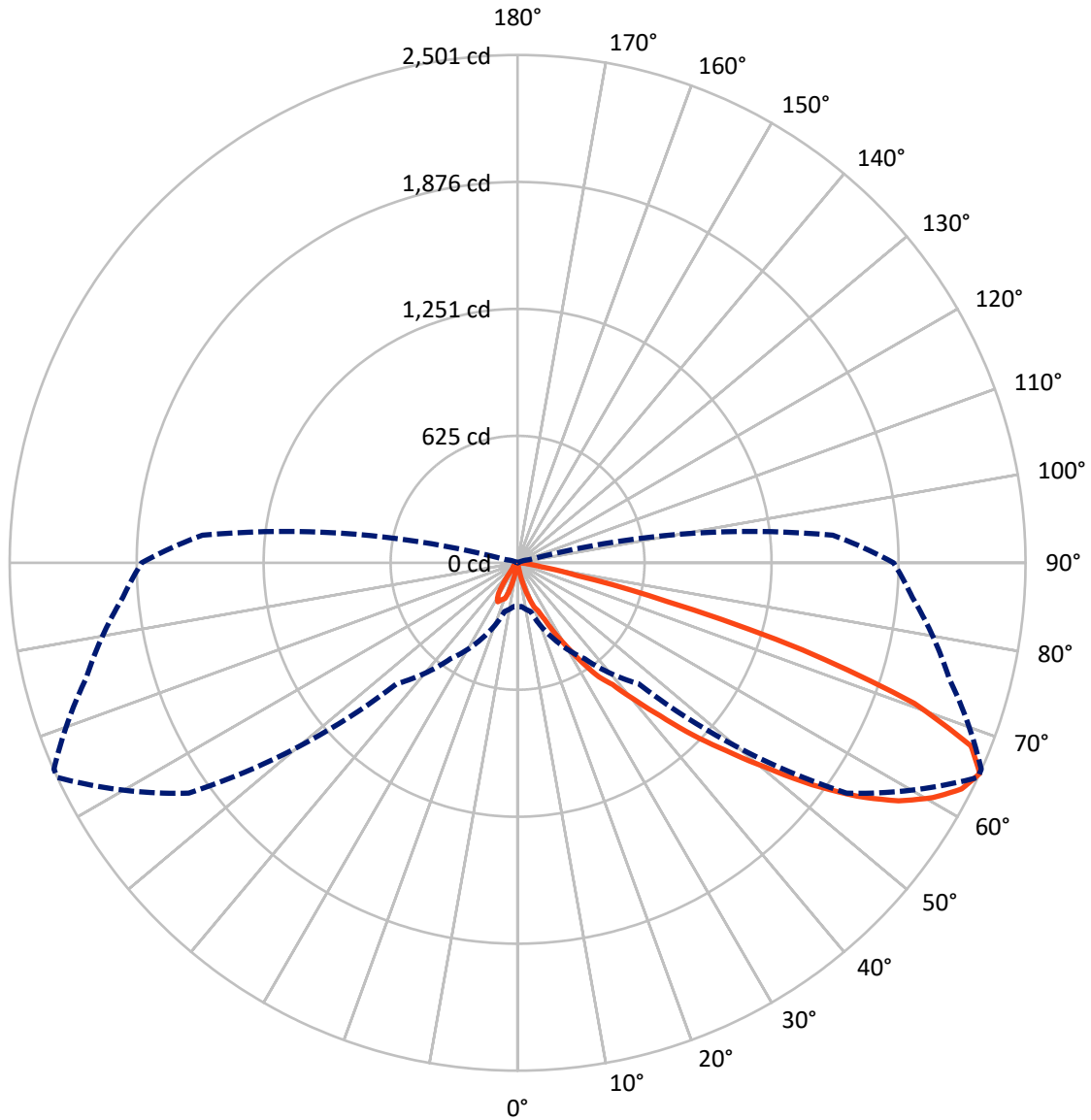
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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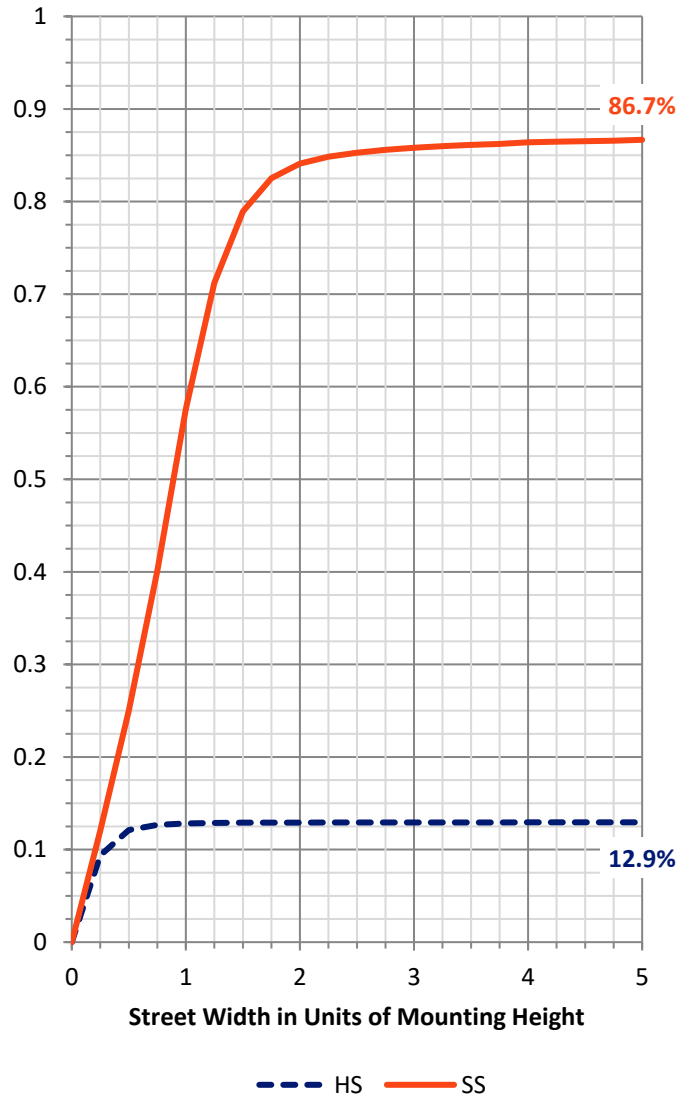
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.9	0.0	385.9
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	2555.1	0.0	2555.1
	% Fixture	86.9	0.0	86.9
Total	Lumens	2941.0	0.0	2941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	30.6	1.0
20°-30°	103.7	3.5
30°-40°	291.8	9.9
40°-50°	647.4	22.0
50°-60°	868.2	29.5
60°-70°	691.6	23.5
70°-80°	284.9	9.7
80°-90°	20.4	0.7
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°	2941.0	100.0
0°-180°	2941.0	100.0

Coefficient of Utilization



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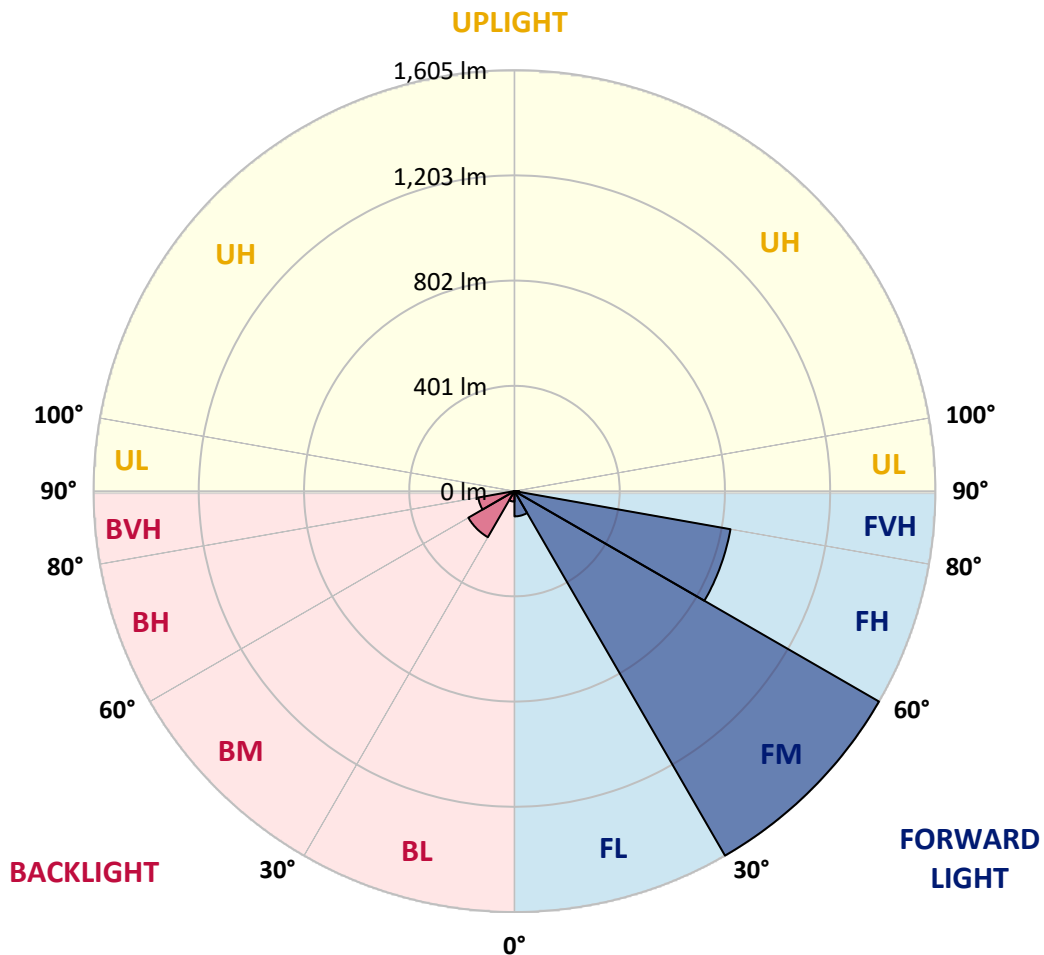
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.5	3.3			
FM (30°-60°)	1604.5	54.6			
FH (60°-80°)	836.0	28.4			G1/1800
FVH (80°-90°)	18.1	0.6			G1/100
BL (0°-30°)	40.1	1.4	B0/110		
BM (30°-60°)	202.9	6.9	B0/220		
BH (60°-80°)	140.6	4.8	B1/500		G1/500
BVH (80°-90°)	2.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	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°	0.4	0.4	0.4	1.3	1.3	1.3	1.3	0.9	0.9	0.9	0.9
5°	12.6	11.7	8.7	4.8	2.6	1.7	1.3	0.9	0.9	0.9	0.9
7.5°	87.9	87.4	87.4	88.3	88.7	31.8	3.0	1.3	1.3	0.9	0.9
10°	84.4	84.0	84.0	85.3	86.6	87.0	83.5	2.2	1.7	0.9	0.9
12.5°	157.5	154.9	98.8	86.6	84.4	85.3	85.7	74.0	34.4	53.1	65.7
15°	157.9	156.6	157.9	160.1	127.9	89.2	130.1	127.0	127.0	93.5	128.3
17.5°	159.7	157.9	158.8	161.8	157.0	184.5	174.0	180.1	180.1	133.1	141.8
20°	235.8	235.4	238.8	174.9	195.3	228.8	189.7	232.7	237.1	197.9	204.9
22.5°	240.6	240.1	245.8	244.9	239.7	245.8	277.6	254.9	256.2	299.3	270.6
25°	335.0	327.1	265.4	260.6	315.0	291.9	332.8	307.1	304.5	361.9	343.2
27.5°	383.3	379.8	383.7	372.0	333.7	358.0	360.2	395.4	377.6	414.6	422.9
30°	465.9	468.1	448.5	428.9	437.2	415.5	433.3	480.7	478.5	469.8	533.4
32.5°	743.9	721.3	683.0	531.6	498.1	482.5	532.0	585.6	563.8	596.0	659.5
35°	984.5	934.0	870.5	762.6	618.6	576.9	637.3	690.0	676.5	741.3	737.4
37.5°	1385.6	1362.1	1252.0	976.7	833.1	719.5	748.7	761.3	777.0	850.9	849.2
40°	1622.7	1595.7	1517.8	1299.9	1051.5	892.7	880.1	886.6	891.8	966.2	971.4
42.5°	1821.9	1809.7	1734.0	1525.2	1322.1	1173.3	1055.4	1029.7	1039.3	1114.6	1104.6
45°	1957.2	1942.9	1874.6	1728.8	1560.5	1483.9	1259.0	1209.0	1211.6	1253.3	1245.5
47.5°	1986.8	1969.8	1939.4	1858.5	1801.5	1739.3	1513.9	1382.1	1411.7	1413.9	1387.3
50°	1881.5	1860.6	1886.3	1867.2	1954.2	1985.5	1771.9	1584.0	1634.9	1588.3	1514.8
52.5°	1620.9	1627.5	1706.6	1764.5	1959.8	2157.8	2049.0	1815.4	1849.8	1732.3	1635.3
55°	1287.3	1303.4	1434.3	1540.5	1826.7	2206.1	2249.6	2029.9	2043.4	1885.4	1732.7
57.5°	947.9	969.7	1130.7	1249.0	1568.7	2102.1	2347.9	2212.2	2238.7	1995.9	1800.6
60°	583.4	603.4	785.7	965.8	1204.2	1803.2	2360.9	2348.8	2379.2	2073.8	1868.9
62.5°	355.4	372.4	452.0	670.8	865.3	1363.0	2252.2	2453.6	2468.8	2152.6	1918.1
65°	218.8	215.8	248.0	407.6	577.3	842.7	1977.2	2501.0	2499.3	2200.0	1951.1
67.5°	144.9	147.5	159.7	224.0	393.3	455.5	1417.8	2407.9	2399.2	2223.0	1938.1
70°	128.3	129.2	141.4	158.8	283.2	265.4	715.6	2072.9	2060.8	2160.8	1856.7
72.5°	100.5	103.5	123.5	144.0	204.5	194.5	269.7	1468.2	1483.9	1836.7	1634.0
75°	71.3	73.5	93.5	125.7	152.7	148.8	152.3	757.0	803.1	1219.4	1197.2
77.5°	44.8	46.5	60.5	93.1	129.6	109.6	106.6	297.1	332.8	596.4	599.0
80°	30.9	31.3	37.4	62.6	93.1	90.1	72.2	118.8	120.1	216.2	207.5
82.5°	18.3	18.3	24.8	38.7	57.0	73.5	46.5	59.6	61.8	80.0	45.7
85°	6.5	7.0	13.5	22.2	31.8	38.7	27.8	32.6	33.9	41.3	21.8
87.5°	0.4	0.9	4.4	7.0	8.7	7.8	9.1	10.0	11.3	13.5	7.8
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4
5°	0.9	0.9	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4
7.5°	0.9	0.9	1.3	1.3	1.3	0.9	12.2	67.9	70.9	73.1	73.5
10°	2.6	1.7	1.3	1.3	1.3	70.5	73.1	71.3	70.0	68.7	69.2
12.5°	66.6	66.6	60.5	39.2	65.7	72.2	68.3	64.0	60.5	56.6	57.0
15°	127.9	127.0	112.2	96.6	110.5	70.9	58.7	77.9	66.6	58.7	57.4
17.5°	142.3	137.9	120.5	154.0	137.0	80.9	67.9	46.1	33.1	30.0	29.6
20°	204.9	199.2	175.8	186.6	125.3	93.5	40.9	26.1	23.5	28.3	29.1
22.5°	263.6	255.8	219.7	193.2	141.0	57.4	28.7	28.7	28.3	27.4	27.0
25°	338.9	325.0	294.5	202.3	111.8	37.8	31.3	25.7	23.1	21.3	21.3
27.5°	416.3	397.6	337.6	215.3	73.5	35.2	27.8	21.8	23.1	22.2	22.2
30°	529.4	503.8	393.3	201.4	47.9	32.6	23.5	21.3	18.7	17.8	17.4
32.5°	646.5	599.5	448.1	175.3	37.8	27.8	21.8	17.4	17.0	17.4	17.4
35°	721.3	677.3	507.3	127.5	33.1	24.4	17.8	16.1	14.8	14.4	14.4
37.5°	810.9	756.5	512.5	82.7	28.7	20.0	15.2	13.5	13.5	13.9	13.9
40°	918.4	858.8	491.6	50.9	24.8	16.5	13.1	12.2	11.7	11.7	11.7
42.5°	1038.9	963.6	462.4	38.3	20.9	13.9	10.9	10.4	10.0	10.0	10.0
45°	1167.6	1069.3	422.4	31.8	17.4	11.7	9.1	8.7	8.7	8.3	8.3
47.5°	1301.2	1182.4	361.9	27.8	14.4	9.6	7.8	7.4	7.0	7.0	7.0
50°	1415.6	1286.0	288.0	23.9	12.2	8.3	6.1	5.7	5.7	5.2	5.2
52.5°	1519.6	1373.8	228.4	20.4	10.0	6.5	4.8	4.4	4.4	3.9	3.9
55°	1599.6	1439.1	170.5	17.0	8.3	5.2	3.5	3.0	3.0	2.6	3.0
57.5°	1667.1	1479.1	129.2	13.9	7.0	3.9	2.6	2.2	1.7	1.7	1.7
60°	1731.0	1511.3	95.3	10.9	5.7	3.0	1.7	1.3	0.9	0.9	0.9
62.5°	1799.7	1540.0	75.3	8.7	4.8	2.2	0.9	0.9	0.0	0.0	0.0
65°	1851.5	1557.9	58.3	7.0	3.9	1.3	0.9	0.4	0.0	0.0	0.0
67.5°	1853.2	1535.2	45.7	5.7	3.5	1.3	0.4	0.0	0.0	0.0	0.0
70°	1786.7	1439.1	33.9	5.2	3.0	1.3	0.9	0.4	0.0	0.0	0.0
72.5°	1548.3	1129.8	24.4	4.4	2.6	1.3	0.9	0.4	0.4	0.0	0.0
75°	1119.8	667.8	17.0	3.9	2.6	1.3	1.3	0.9	0.9	0.9	0.0
77.5°	574.2	277.6	11.3	3.5	2.2	0.9	1.7	1.3	1.3	1.3	0.4
80°	168.4	95.7	7.0	3.0	2.2	0.9	1.7	1.7	1.7	1.7	0.4
82.5°	32.2	18.7	4.4	3.0	2.2	0.9	1.7	1.7	1.7	2.2	0.0
85°	12.6	7.4	3.0	2.6	2.2	0.9	1.7	1.7	2.2	2.2	0.0
87.5°	4.4	3.5	2.6	2.2	2.2	0.9	1.7	1.7	1.7	2.2	0.4
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)