

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: P415257

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415257
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-PA1-40-827-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 2721 lumens
Efficiency: N/A
Efficacy: 68.0 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

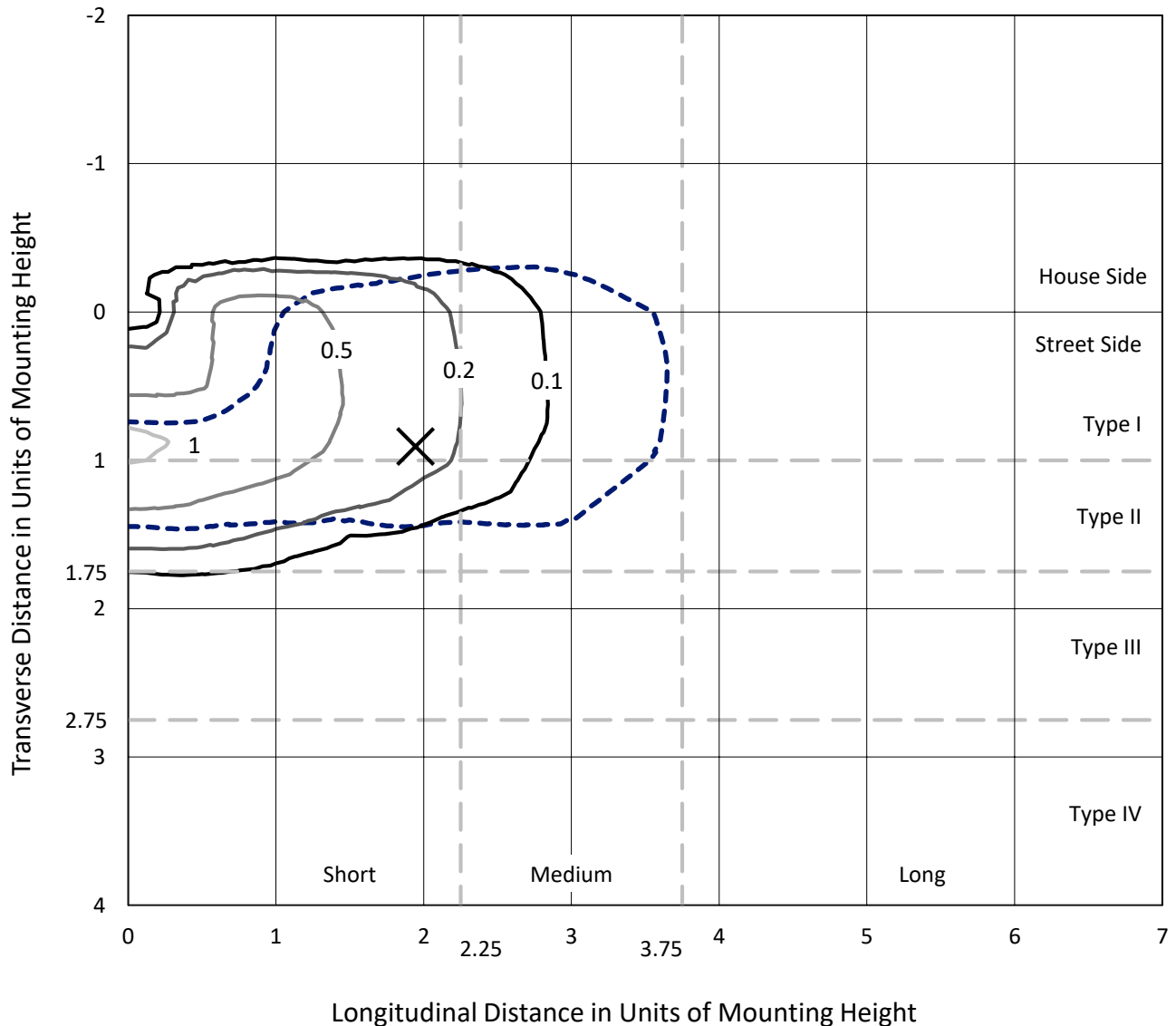
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

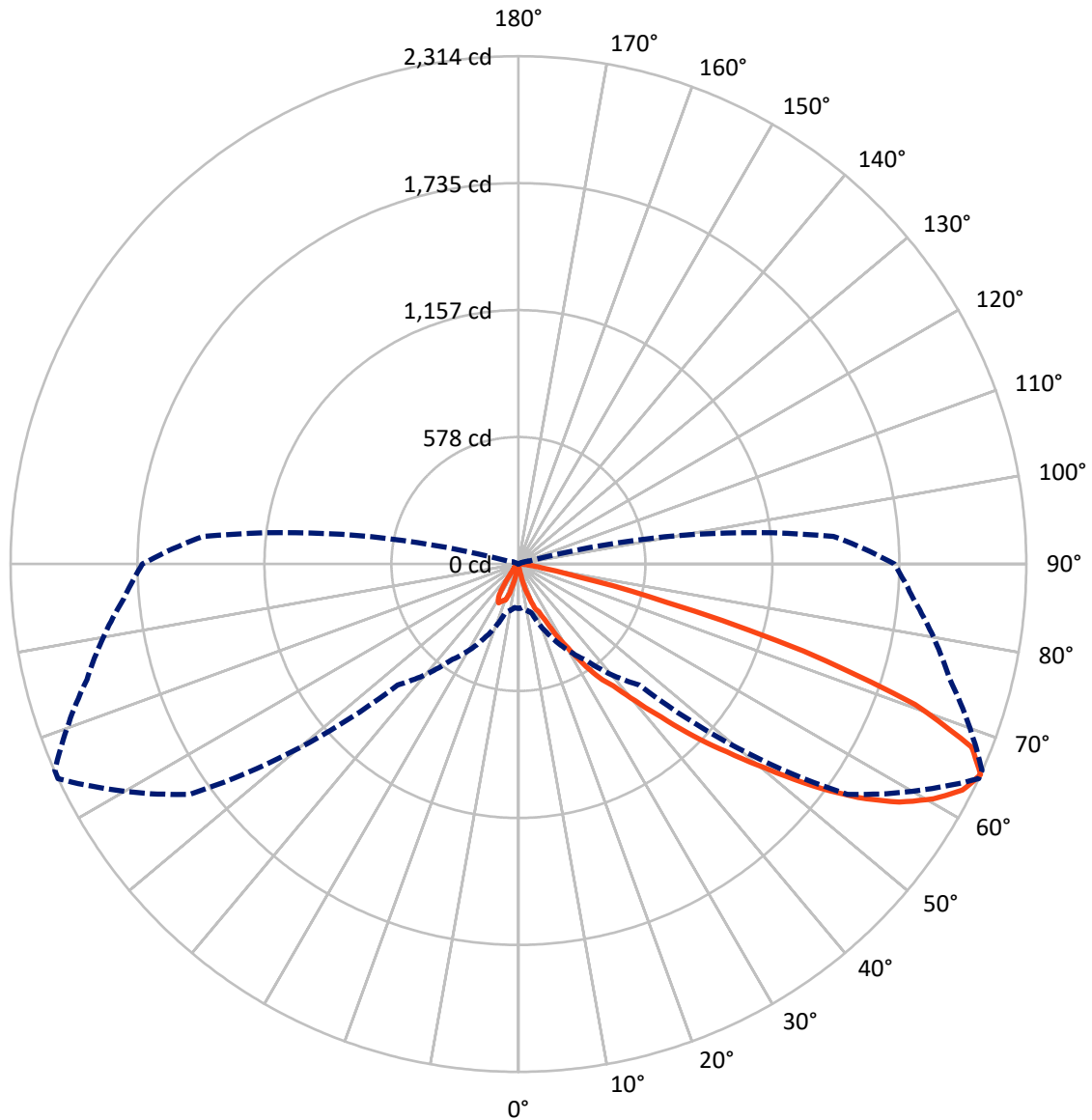
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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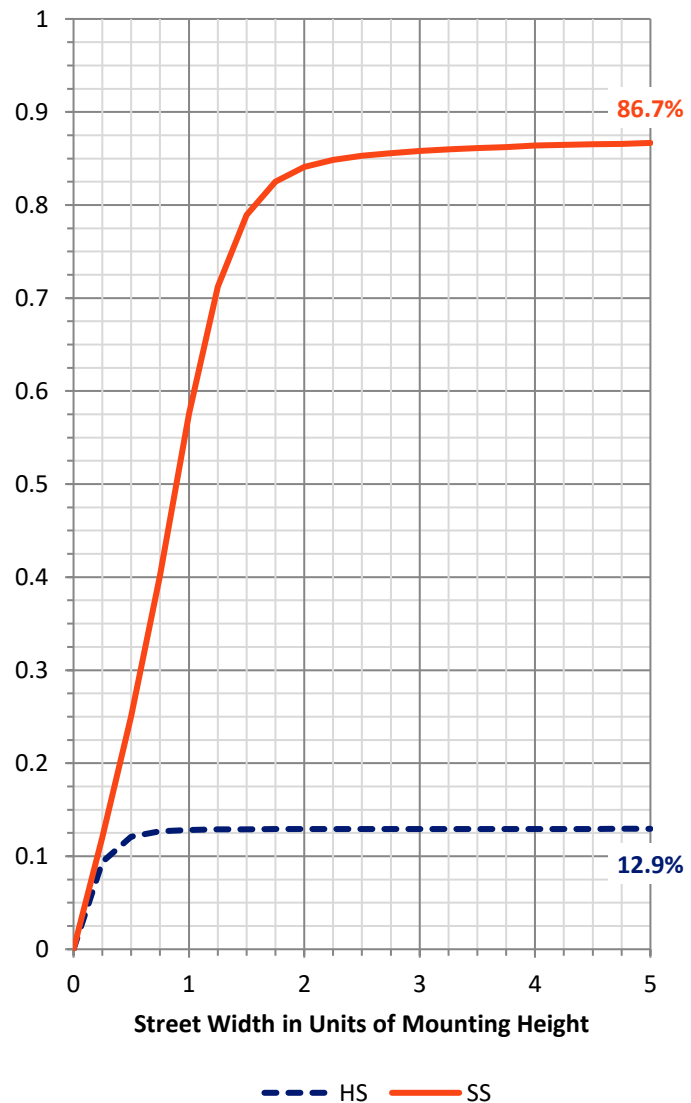
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.0	0.0	357.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	2364.0	0.0	2364.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	2721.0	0.0	2721.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	28.3	1.0
20°-30°	96.0	3.5
30°-40°	270.0	9.9
40°-50°	599.0	22.0
50°-60°	803.2	29.5
60°-70°	639.9	23.5
70°-80°	263.6	9.7
80°-90°	18.9	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°	2721.0	100.0
0°-180°	2721.0	100.0



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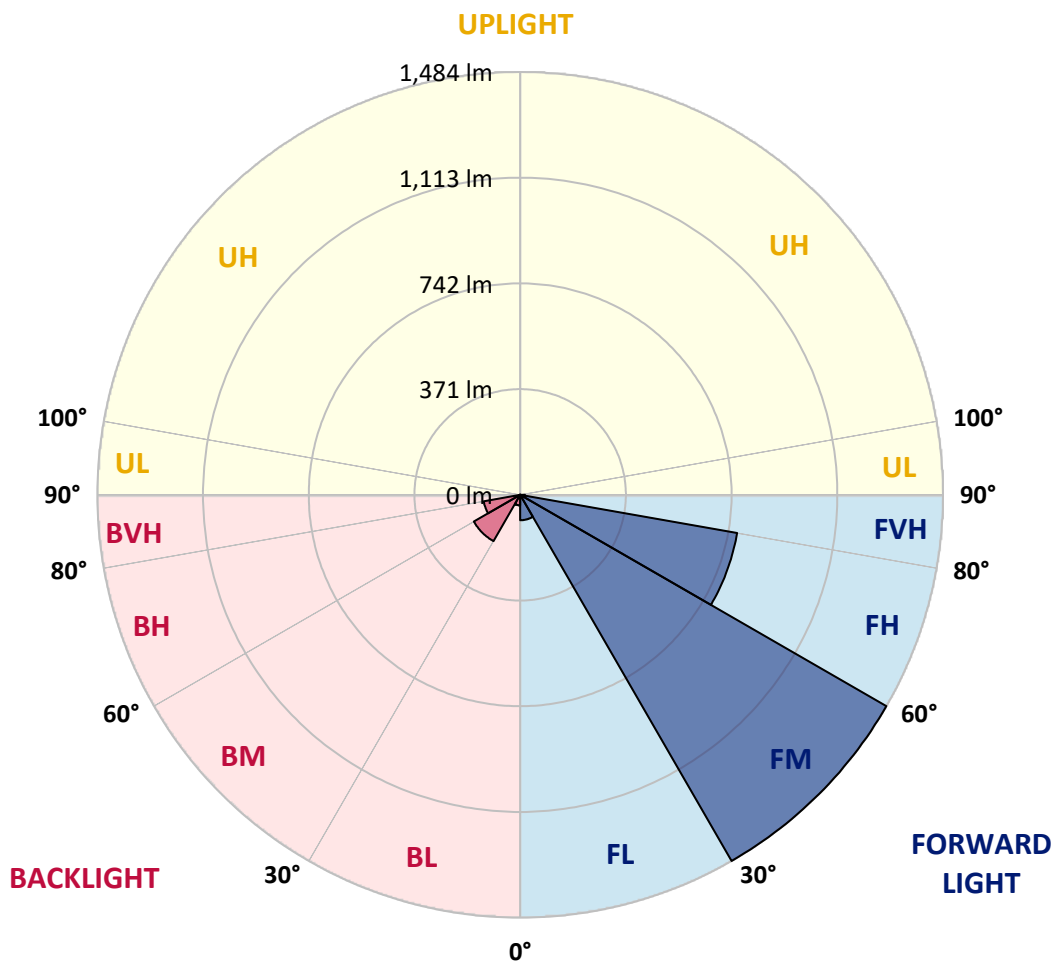
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.2	3.3			
FM (30°-60°)	1484.5	54.6			
FH (60°-80°)	773.5	28.4			G1/1800
FVH (80°-90°)	16.8	0.6			G1/100
BL (0°-30°)	37.1	1.4	B0/110		
BM (30°-60°)	187.7	6.9	B0/220		
BH (60°-80°)	130.0	4.8	B1/500		G1/500
BVH (80°-90°)	2.1	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.4	0.4	0.4	1.2	1.2	1.2	1.2	0.8	0.8	0.8	0.8
5°	11.7	10.9	8.0	4.4	2.4	1.6	1.2	0.8	0.8	0.8	0.8
7.5°	81.3	80.9	80.9	81.7	82.1	29.4	2.8	1.2	1.2	0.8	0.8
10°	78.1	77.7	77.7	78.9	80.1	80.5	77.3	2.0	1.6	0.8	0.8
12.5°	145.7	143.3	91.4	80.1	78.1	78.9	79.3	68.4	31.8	49.1	60.8
15°	146.1	144.9	146.1	148.1	118.3	82.5	120.3	117.5	117.5	86.5	118.7
17.5°	147.7	146.1	146.9	149.7	145.3	170.7	161.0	166.6	166.6	123.2	131.2
20°	218.2	217.7	221.0	161.8	180.7	211.7	175.5	215.3	219.4	183.1	189.6
22.5°	222.6	222.2	227.4	226.6	221.8	227.4	256.8	235.9	237.1	276.9	250.4
25°	309.9	302.7	245.5	241.1	291.4	270.1	307.9	284.2	281.7	334.9	317.6
27.5°	354.6	351.4	355.0	344.1	308.7	331.3	333.3	365.9	349.4	383.6	391.2
30°	431.1	433.1	415.0	396.9	404.5	384.4	400.9	444.8	442.7	434.7	493.5
32.5°	688.3	667.3	631.9	491.8	460.9	446.4	492.2	541.8	521.6	551.4	610.2
35°	910.8	864.2	805.4	705.6	572.3	533.7	589.7	638.4	625.9	685.8	682.2
37.5°	1281.9	1260.2	1158.4	903.6	770.8	665.7	692.7	704.4	718.9	787.3	785.7
40°	1501.3	1476.3	1404.3	1202.6	972.8	825.9	814.2	820.3	825.1	893.9	898.8
42.5°	1685.6	1674.4	1604.3	1411.1	1223.2	1085.5	976.4	952.7	961.6	1031.2	1021.9
45°	1810.8	1797.5	1734.3	1599.5	1443.7	1372.9	1164.8	1118.5	1120.9	1159.6	1152.3
47.5°	1838.2	1822.5	1794.3	1719.4	1666.7	1609.2	1400.7	1278.7	1306.1	1308.1	1283.5
50°	1740.8	1721.5	1745.2	1727.5	1808.0	1837.0	1639.4	1465.5	1512.6	1469.5	1401.5
52.5°	1499.7	1505.7	1579.0	1632.5	1813.2	1996.4	1895.7	1679.6	1711.4	1602.7	1513.0
55°	1191.0	1205.9	1327.0	1425.2	1690.1	2041.0	2081.3	1878.0	1890.5	1744.4	1603.1
57.5°	877.0	897.2	1046.1	1155.6	1451.4	1944.8	2172.3	2046.7	2071.2	1846.6	1665.9
60°	539.7	558.3	726.9	893.5	1114.1	1668.3	2184.3	2173.1	2201.2	1918.7	1729.1
62.5°	328.8	344.5	418.2	620.6	800.6	1261.0	2083.7	2270.1	2284.1	1991.5	1774.6
65°	202.5	199.6	229.4	377.1	534.1	779.6	1829.3	2313.9	2312.3	2035.4	1805.2
67.5°	134.0	136.4	147.7	207.3	363.9	421.4	1311.7	2227.8	2219.7	2056.7	1793.1
70°	118.7	119.5	130.8	146.9	262.0	245.5	662.1	1917.9	1906.6	1999.2	1717.8
72.5°	93.0	95.8	114.3	133.2	189.2	179.9	249.5	1358.4	1372.9	1699.3	1511.8
75°	66.0	68.0	86.5	116.3	141.3	137.7	140.9	700.3	743.0	1128.2	1107.7
77.5°	41.5	43.1	55.9	86.1	119.9	101.4	98.6	274.9	307.9	551.8	554.2
80°	28.6	29.0	34.6	58.0	86.1	83.3	66.8	109.9	111.1	200.0	192.0
82.5°	16.9	16.9	22.9	35.8	52.7	68.0	43.1	55.1	57.2	74.1	42.3
85°	6.0	6.4	12.5	20.5	29.4	35.8	25.8	30.2	31.4	38.2	20.1
87.5°	0.4	0.8	4.0	6.4	8.0	7.2	8.5	9.3	10.5	12.5	7.2
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°	0.8	0.8	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4
5°	0.8	0.8	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4
7.5°	0.8	0.8	1.2	1.2	1.2	0.8	11.3	62.8	65.6	67.6	68.0
10°	2.4	1.6	1.2	1.2	1.2	65.2	67.6	66.0	64.8	63.6	64.0
12.5°	61.6	61.6	55.9	36.2	60.8	66.8	63.2	59.2	55.9	52.3	52.7
15°	118.3	117.5	103.8	89.4	102.2	65.6	54.3	72.0	61.6	54.3	53.1
17.5°	131.6	127.6	111.5	142.5	126.8	74.9	62.8	42.7	30.6	27.8	27.4
20°	189.6	184.3	162.6	172.7	115.9	86.5	37.8	24.1	21.7	26.2	27.0
22.5°	243.9	236.7	203.3	178.7	130.4	53.1	26.6	26.6	26.2	25.4	25.0
25°	313.5	300.7	272.5	187.2	103.4	35.0	29.0	23.7	21.3	19.7	19.7
27.5°	385.2	367.9	312.3	199.2	68.0	32.6	25.8	20.1	21.3	20.5	20.5
30°	489.8	466.1	363.9	186.4	44.3	30.2	21.7	19.7	17.3	16.5	16.1
32.5°	598.1	554.6	414.6	162.2	35.0	25.8	20.1	16.1	15.7	16.1	16.1
35°	667.3	626.7	469.3	117.9	30.6	22.5	16.5	14.9	13.7	13.3	13.3
37.5°	750.2	699.9	474.1	76.5	26.6	18.5	14.1	12.5	12.5	12.9	12.9
40°	849.7	794.5	454.8	47.1	22.9	15.3	12.1	11.3	10.9	10.9	10.9
42.5°	961.2	891.5	427.8	35.4	19.3	12.9	10.1	9.7	9.3	9.3	9.3
45°	1080.3	989.3	390.8	29.4	16.1	10.9	8.5	8.0	8.0	7.6	7.6
47.5°	1203.9	1094.0	334.9	25.8	13.3	8.9	7.2	6.8	6.4	6.4	6.4
50°	1309.7	1189.8	266.4	22.1	11.3	7.6	5.6	5.2	5.2	4.8	4.8
52.5°	1405.9	1271.1	211.3	18.9	9.3	6.0	4.4	4.0	4.0	3.6	3.6
55°	1480.0	1331.4	157.8	15.7	7.6	4.8	3.2	2.8	2.8	2.4	2.8
57.5°	1542.4	1368.5	119.5	12.9	6.4	3.6	2.4	2.0	1.6	1.6	1.6
60°	1601.5	1398.3	88.1	10.1	5.2	2.8	1.6	1.2	0.8	0.8	0.8
62.5°	1665.1	1424.8	69.6	8.0	4.4	2.0	0.8	0.8	0.0	0.0	0.0
65°	1713.0	1441.3	53.9	6.4	3.6	1.2	0.8	0.4	0.0	0.0	0.0
67.5°	1714.6	1420.4	42.3	5.2	3.2	1.2	0.4	0.0	0.0	0.0	0.0
70°	1653.0	1331.4	31.4	4.8	2.8	1.2	0.8	0.4	0.0	0.0	0.0
72.5°	1432.5	1045.3	22.5	4.0	2.4	1.2	0.8	0.4	0.4	0.0	0.0
75°	1036.0	617.8	15.7	3.6	2.4	1.2	1.2	0.8	0.8	0.8	0.0
77.5°	531.3	256.8	10.5	3.2	2.0	0.8	1.6	1.2	1.2	1.2	0.4
80°	155.8	88.5	6.4	2.8	2.0	0.8	1.6	1.6	1.6	1.6	0.4
82.5°	29.8	17.3	4.0	2.8	2.0	0.8	1.6	1.6	1.6	2.0	0.0
85°	11.7	6.8	2.8	2.4	2.0	0.8	1.6	1.6	2.0	2.0	0.0
87.5°	4.0	3.2	2.4	2.0	2.0	0.8	1.6	1.6	1.6	2.0	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)