

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: P414651

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2659 lumens
Efficiency: N/A
Efficacy: 85.8 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

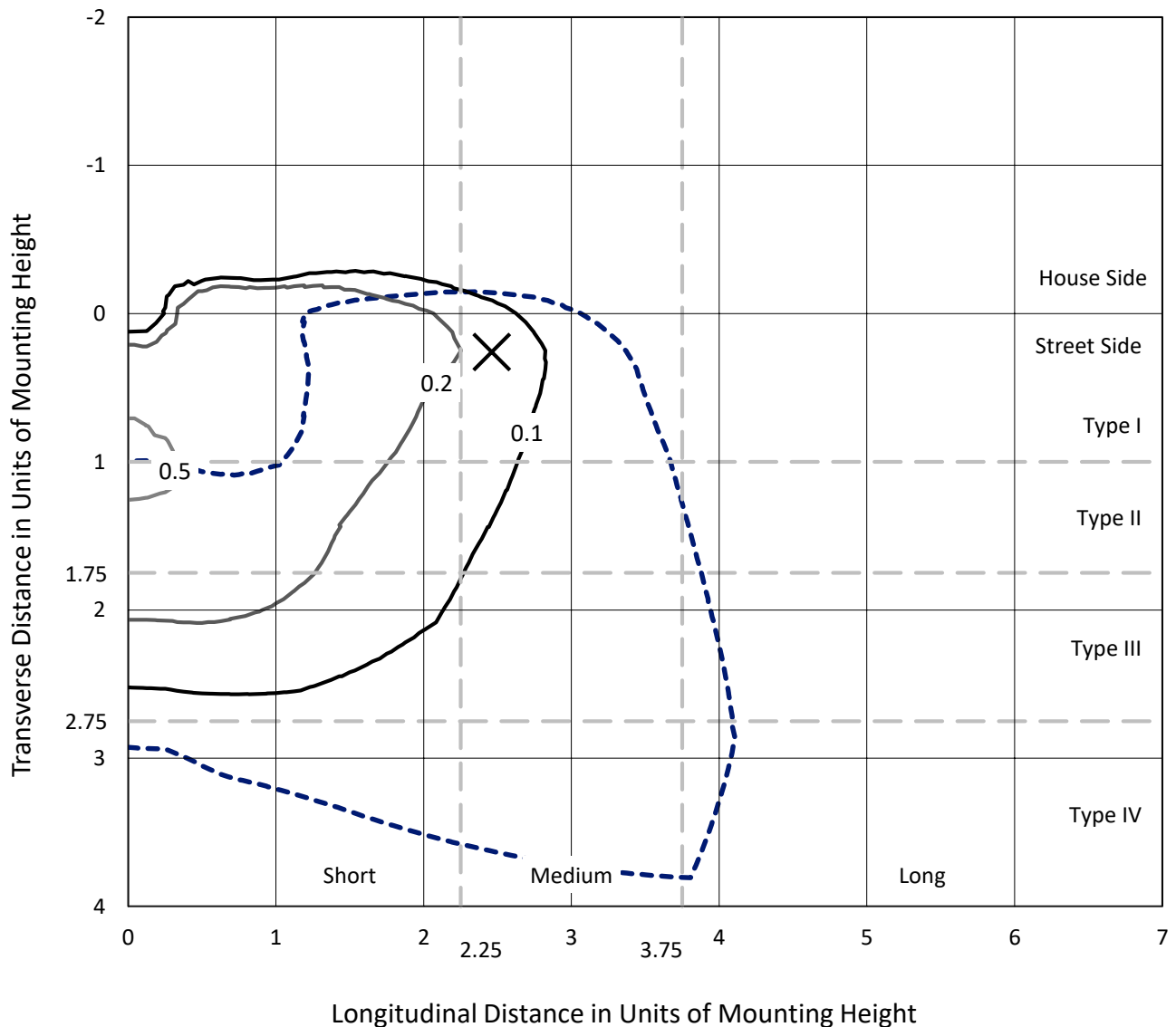
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

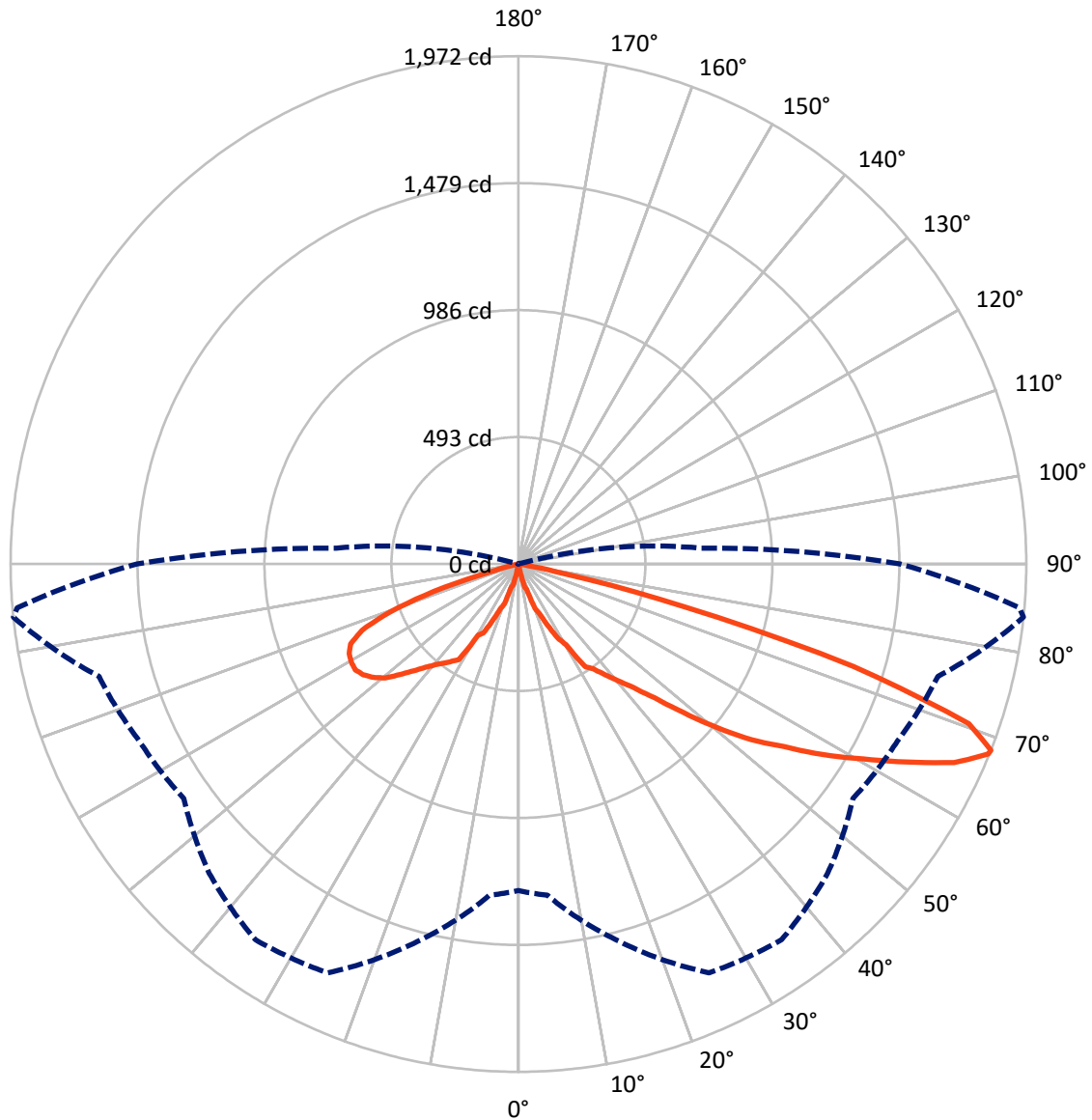
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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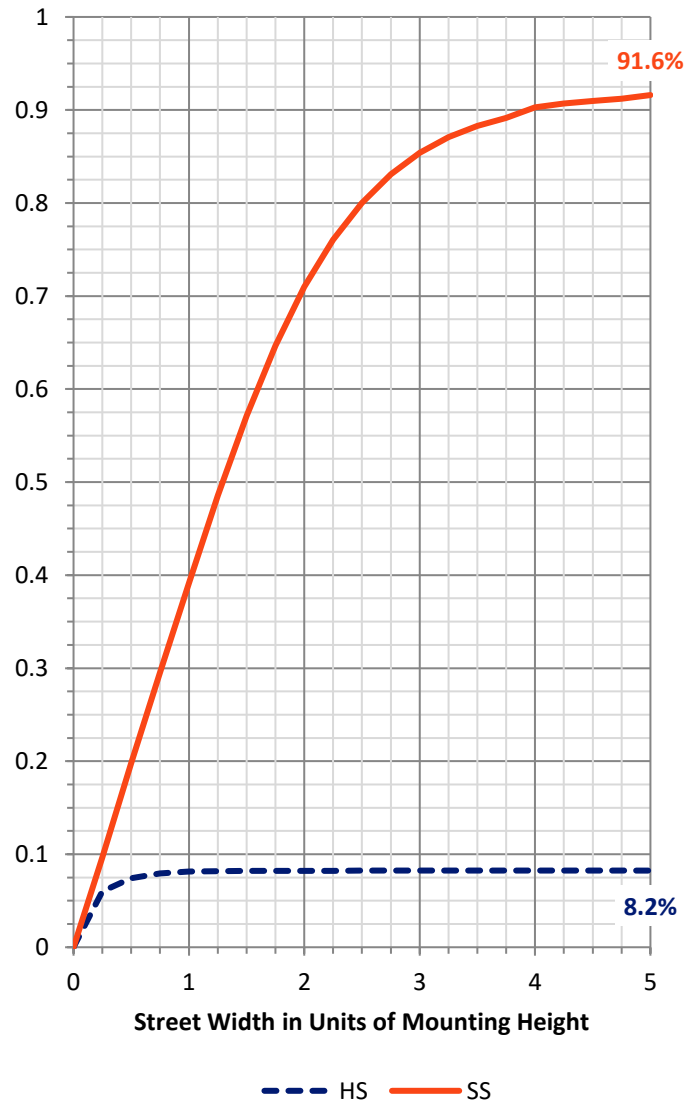
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	221.0	0.0	221.0
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	2438.0	0.0	2438.0
	% Fixture	91.7	0.0	91.7
Total	Lumens	2659.0	0.0	2659.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	24.1	0.9
20°-30°	86.2	3.2
30°-40°	184.1	6.9
40°-50°	329.0	12.4
50°-60°	583.8	22.0
60°-70°	838.9	31.6
70°-80°	564.8	21.2
80°-90°	46.4	1.7
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°	2659.0	100.0
0°-180°	2659.0	100.0



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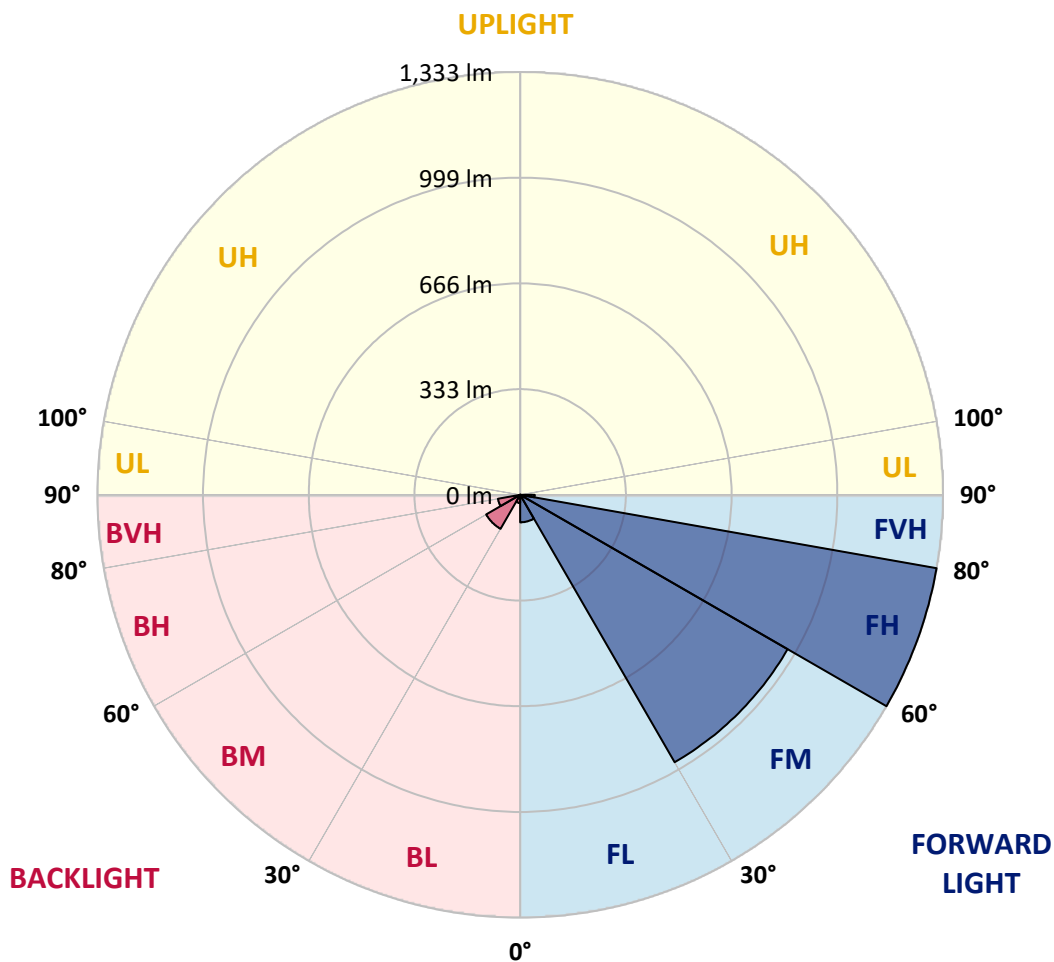
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.7	3.3			
FM	(30°-60°)	973.1	36.6			
FH	(60°-80°)	1332.6	50.1			G1/1800
FVH	(80°-90°)	45.7	1.7			G1/100
BL	(0°-30°)	25.3	1.0	B0/110		
BM	(30°-60°)	123.8	4.7	B0/220		
BH	(60°-80°)	71.1	2.7	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	75°	84°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.4	0.4	0.0	0.4	0.4	0.8	0.8	1.2	1.2	1.2	1.2
5°	20.4	17.3	16.9	15.0	10.8	2.7	0.8	1.2	1.2	1.2	1.2
7.5°	73.2	72.0	71.2	69.7	68.2	52.4	10.4	1.2	1.2	1.2	1.2
10°	78.6	77.0	75.9	73.9	71.6	68.9	65.9	8.5	1.2	1.2	1.2
12.5°	162.5	160.6	111.3	92.0	75.9	72.0	69.7	36.2	33.5	38.1	43.5
15°	171.0	169.4	165.2	159.8	143.6	81.3	109.4	135.9	88.6	94.4	94.4
17.5°	190.6	187.5	172.9	164.8	158.3	174.1	159.8	145.6	95.5	101.3	101.3
20°	266.9	266.1	261.9	182.9	166.4	220.3	174.1	155.2	176.4	184.1	175.2
22.5°	269.2	268.4	265.3	254.9	261.5	226.4	249.9	234.5	240.7	210.3	208.7
25°	357.0	353.9	283.4	259.6	295.0	241.5	297.3	258.8	254.2	262.6	262.6
27.5°	363.5	362.8	360.5	345.4	302.7	342.0	306.2	335.0	341.6	324.6	333.5
30°	414.0	388.6	375.1	366.2	356.6	358.9	357.4	385.5	355.8	362.8	358.9
32.5°	481.8	479.5	472.5	390.5	396.3	374.7	416.7	412.5	460.2	475.2	472.9
35°	576.1	539.2	494.1	451.7	411.3	445.2	430.6	479.8	491.8	498.7	513.0
37.5°	658.9	647.0	605.0	479.1	455.6	458.3	492.6	514.1	531.8	544.2	550.3
40°	734.8	725.9	697.8	560.0	479.5	497.6	525.7	537.6	572.7	595.4	595.8
42.5°	847.2	852.6	826.4	633.1	544.2	552.6	576.5	578.4	609.6	655.1	656.6
45°	987.8	980.5	973.9	739.4	605.8	600.4	633.5	628.9	677.0	741.0	748.7
47.5°	1123.4	1113.0	1095.3	861.9	691.3	653.9	700.1	704.0	779.1	860.7	863.8
50°	1228.1	1224.3	1206.6	1004.4	804.9	727.9	774.1	819.5	899.2	997.4	1004.0
52.5°	1343.7	1334.8	1303.6	1138.0	950.8	839.2	862.6	942.4	1025.9	1133.8	1133.0
55°	1420.7	1421.8	1392.2	1274.3	1083.3	965.1	974.3	1096.8	1141.5	1251.6	1259.7
57.5°	1523.1	1514.6	1522.7	1434.5	1262.8	1092.9	1114.5	1220.4	1260.5	1396.4	1401.8
60°	1599.4	1602.4	1642.5	1582.4	1401.8	1223.1	1241.6	1321.3	1379.1	1538.1	1555.1
62.5°	1602.1	1618.6	1726.5	1730.7	1552.4	1364.1	1352.1	1424.5	1475.4	1692.2	1712.6
65°	1455.3	1465.3	1708.4	1770.0	1692.2	1502.3	1457.3	1511.6	1570.5	1858.9	1862.8
67.5°	1308.2	1311.3	1545.8	1758.4	1776.1	1668.3	1569.3	1606.7	1663.7	1968.7	1955.2
68°	1268.2	1291.3	1517.7	1751.9	1781.5	1698.3	1586.3	1624.8	1686.4	1972.2	1953.3
70°	1149.6	1174.2	1382.5	1678.7	1778.8	1811.6	1679.1	1684.5	1700.6	1855.8	1795.4
72.5°	772.9	789.5	1094.1	1428.8	1721.1	1943.3	1782.7	1649.0	1525.8	1360.6	1307.1
75°	297.3	299.2	551.5	982.0	1488.1	1877.4	1673.3	1390.3	1036.3	662.4	622.0
77.5°	110.9	109.0	159.8	455.2	944.7	1458.8	1249.3	852.3	431.7	173.7	169.8
80°	39.3	40.4	62.0	137.1	384.0	852.3	695.5	347.0	127.1	38.5	35.4
82.5°	15.4	16.6	31.6	65.1	164.8	357.8	296.9	147.5	74.3	14.6	13.9
85°	3.5	3.9	12.3	32.3	62.8	103.6	104.4	90.1	61.6	6.9	6.5
87.5°	0.4	0.8	3.5	4.2	5.0	2.7	8.9	9.2	16.9	2.7	2.7
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	0.8	0.4	0.4	0.0	33.9	35.0	36.2	36.6
10°	1.2	1.2	1.2	0.8	0.8	35.4	41.6	40.1	37.4	36.2	36.6
12.5°	42.0	40.8	13.1	2.7	32.3	38.9	32.0	26.6	23.9	22.0	22.0
15°	91.7	88.2	73.6	56.2	52.8	30.0	20.4	17.3	25.4	30.8	30.8
17.5°	97.4	93.2	82.4	81.6	53.5	26.2	21.2	27.3	28.9	30.4	30.4
20°	188.7	169.1	116.3	78.2	39.3	32.0	26.6	26.2	27.3	29.3	29.7
22.5°	202.2	192.6	146.3	94.7	35.8	34.7	30.8	29.3	39.3	42.7	42.7
25°	256.9	247.6	157.5	75.5	43.5	35.4	38.9	36.6	37.4	40.4	40.4
27.5°	328.5	311.6	206.8	63.5	40.4	38.5	39.7	36.6	43.1	51.2	51.2
30°	363.9	330.0	197.9	56.2	41.2	42.0	38.1	44.7	44.7	47.8	48.1
32.5°	485.6	462.1	223.0	47.4	41.2	38.5	41.6	42.4	41.6	53.9	54.3
35°	516.8	488.7	191.0	49.3	39.3	37.4	37.4	42.0	44.7	47.4	47.8
37.5°	554.9	518.4	150.2	46.2	40.8	36.2	34.3	35.8	39.3	46.2	46.6
40°	603.5	550.7	115.5	43.5	38.1	33.1	31.2	32.7	32.7	34.7	35.0
42.5°	668.9	589.2	85.5	41.6	35.8	30.4	27.3	25.4	24.3	23.9	24.3
45°	758.7	638.5	63.9	39.7	34.3	27.0	22.7	18.5	15.4	15.4	15.8
47.5°	865.3	693.6	52.0	36.6	32.0	23.1	17.3	11.9	9.6	10.0	10.4
50°	979.0	751.7	45.4	33.9	29.3	18.9	11.6	7.3	6.2	6.5	6.9
52.5°	1084.1	789.5	42.7	31.2	25.8	14.6	7.3	5.0	4.6	4.6	5.0
55°	1189.6	818.0	40.4	28.5	20.8	9.6	4.2	3.9	3.9	3.5	3.5
57.5°	1287.8	834.9	36.6	24.6	14.6	5.8	3.1	3.1	2.7	2.7	2.7
60°	1377.9	833.0	29.3	18.5	9.2	3.5	2.3	2.3	1.9	1.9	1.9
62.5°	1470.0	824.5	20.8	13.1	6.2	2.3	1.5	1.5	1.2	0.8	1.2
65°	1525.4	800.6	13.9	9.2	3.9	1.5	1.2	0.8	0.4	0.0	0.4
67.5°	1502.3	731.3	10.4	6.9	2.7	1.2	0.8	0.4	0.0	0.0	0.0
68°	1481.1	709.4	9.6	6.5	2.3	1.2	0.8	0.4	0.0	0.0	0.0
70°	1314.4	591.1	8.5	5.4	1.9	1.2	0.8	0.4	0.0	0.0	0.0
72.5°	876.9	384.0	6.9	4.2	1.5	0.8	0.8	0.4	0.0	0.0	0.0
75°	404.4	123.2	5.4	3.5	1.2	0.8	0.8	0.4	0.0	0.0	0.0
77.5°	107.8	26.2	3.5	2.3	1.2	0.8	0.8	0.4	0.4	0.4	0.0
80°	25.8	8.1	2.3	1.9	1.2	0.8	0.8	0.4	0.4	0.4	0.0
82.5°	9.6	4.2	1.5	1.5	1.2	0.8	0.8	0.4	0.8	0.8	0.0
85°	4.2	2.7	1.5	1.5	1.2	0.8	0.8	0.8	0.8	1.2	0.0
87.5°	1.9	1.9	1.5	1.5	1.5	0.8	1.2	1.2	1.2	1.2	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)