

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: P414226

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-730-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1931 lumens
Efficiency: N/A
Efficacy: 92.0 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): 21
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

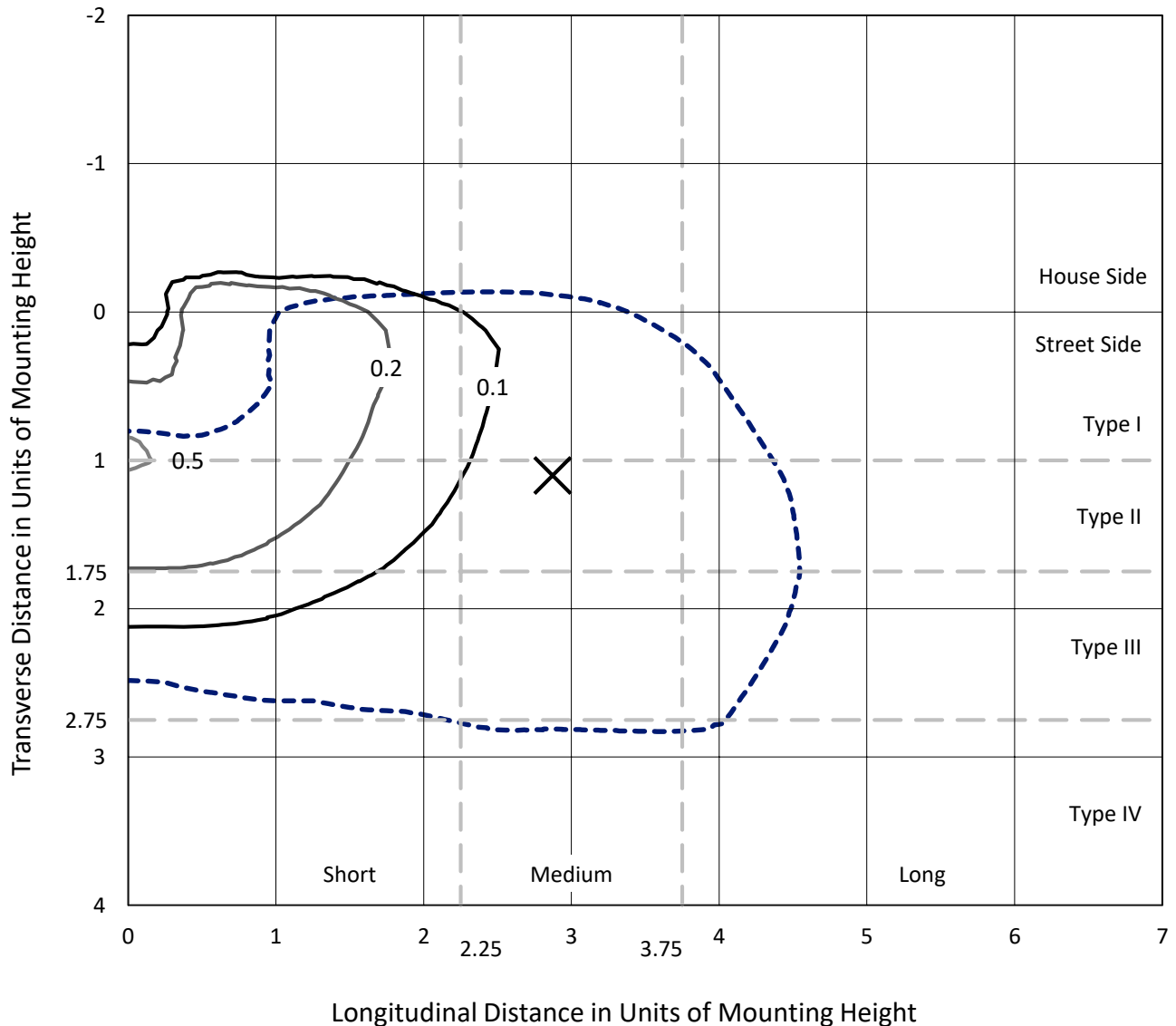


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

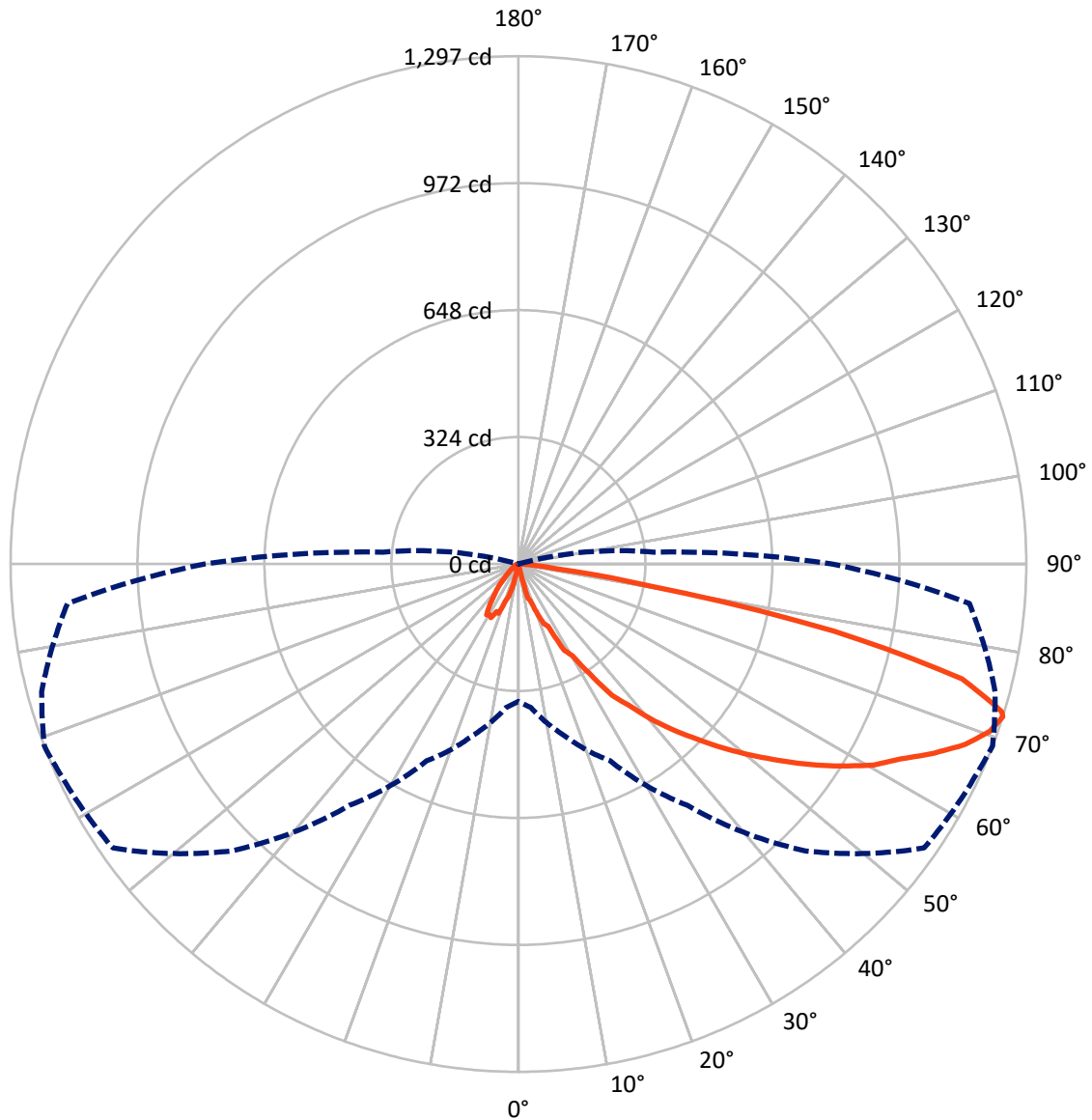


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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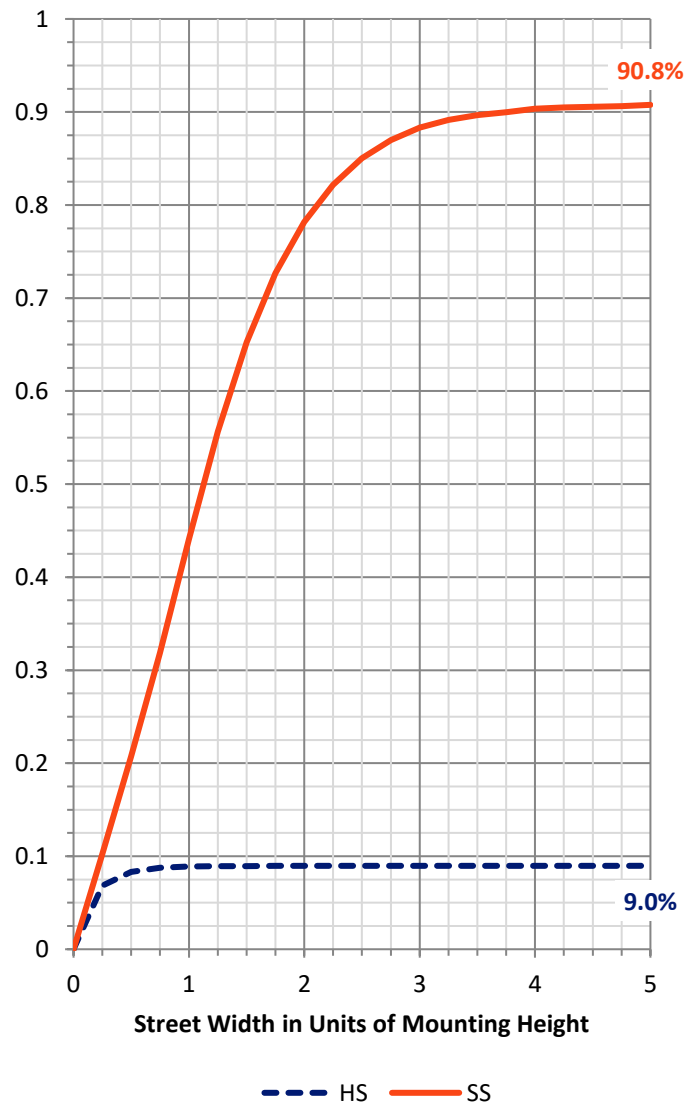
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	175.1	0.0	175.1
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	1755.9	0.0	1755.9
	% Fixture	90.9	0.0	90.9
Total	Lumens	1931.0	0.0	1931.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	16.8	0.9
20°-30°	60.1	3.1
30°-40°	153.6	8.0
40°-50°	304.0	15.7
50°-60°	479.0	24.8
60°-70°	557.1	28.9
70°-80°	338.2	17.5
80°-90°	20.9	1.1
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°	1931.0	100.0
0°-180°	1931.0	100.0



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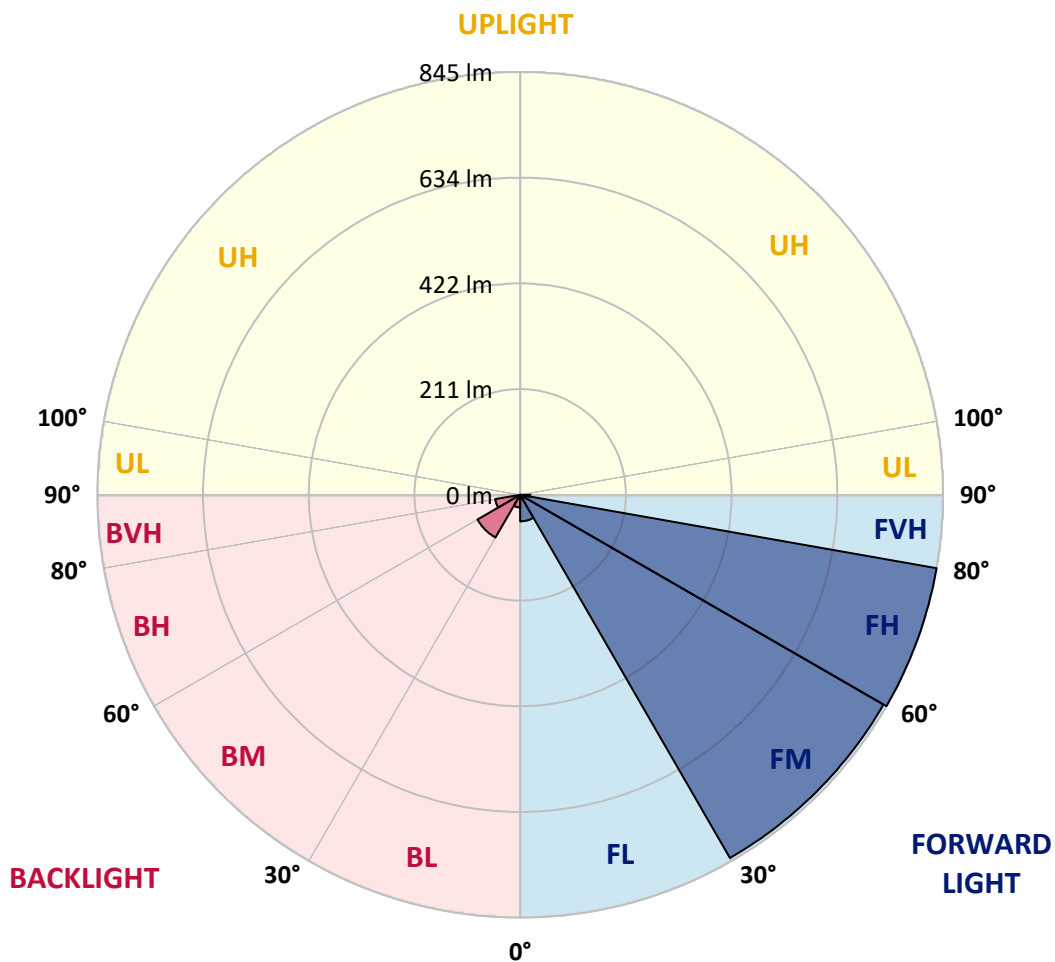
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.0	2.7			
FM	(30°-60°)	838.0	43.4			
FH	(60°-80°)	844.7	43.7			G1/1800
FVH	(80°-90°)	20.2	1.0			G1/100
BL	(0°-30°)	25.1	1.3	B0/110		
BM	(30°-60°)	98.6	5.1	B0/220		
BH	(60°-80°)	50.7	2.6	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°	69°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.8	0.8	0.8	0.8	0.8
5°	26.9	17.6	13.2	11.0	5.5	1.4	0.8	0.8	0.8	0.8	0.8
7.5°	41.4	41.4	41.7	42.0	42.8	35.9	7.7	0.8	0.8	0.8	0.8
10°	40.1	39.8	39.8	40.3	41.4	42.5	43.6	5.8	1.4	0.8	0.8
12.5°	78.2	77.4	71.9	50.2	41.2	41.7	43.9	33.5	9.3	5.5	31.6
15°	77.4	77.1	77.7	79.0	79.6	44.5	65.0	88.4	90.3	60.9	73.8
17.5°	84.5	82.0	78.2	78.8	81.2	95.5	91.9	95.8	97.7	68.3	79.9
20°	116.9	116.6	117.2	91.9	85.9	121.0	106.5	104.0	129.2	135.3	150.1
22.5°	119.4	118.8	119.6	122.4	137.5	126.5	154.2	157.8	165.2	182.8	171.5
25°	167.1	167.1	137.2	127.9	156.7	143.0	191.0	179.5	175.6	196.2	220.6
27.5°	201.7	199.5	192.4	178.6	163.0	202.2	203.3	245.3	248.9	273.9	278.5
30°	255.5	252.4	233.5	222.8	202.2	212.7	237.4	291.7	271.9	292.0	312.3
32.5°	378.1	373.7	349.9	280.7	254.9	230.5	284.6	313.1	332.6	386.9	409.1
35°	489.8	461.3	428.6	375.9	309.0	299.6	307.1	388.3	411.3	428.1	450.6
37.5°	602.3	602.9	570.2	442.3	390.5	346.0	370.2	433.8	457.2	481.8	502.2
40°	692.6	678.9	635.2	541.4	460.7	416.3	419.3	478.3	519.7	550.7	554.8
42.5°	807.8	802.1	737.9	631.9	551.5	508.2	495.0	524.1	579.0	599.6	612.2
45°	918.1	909.6	855.0	735.1	648.7	600.1	582.0	582.3	636.3	658.3	676.4
47.5°	1000.7	987.0	957.7	830.1	770.8	700.5	663.0	648.7	701.4	729.9	740.1
50°	1087.2	1064.7	1041.4	937.4	876.2	815.2	743.4	727.4	765.6	797.4	805.6
52.5°	1145.1	1112.4	1096.2	1013.9	970.6	931.9	823.8	805.9	833.1	870.7	864.1
55°	1115.7	1105.6	1123.1	1080.0	1038.1	995.3	911.3	896.7	903.9	935.4	919.8
57.5°	1054.5	1057.5	1109.4	1117.6	1098.7	1058.4	989.8	987.3	972.8	998.5	978.2
60°	990.6	1001.8	1074.0	1115.2	1128.9	1115.4	1072.6	1054.5	1041.6	1059.7	1043.8
62.5°	905.0	907.2	1004.0	1093.2	1117.4	1159.9	1130.5	1121.8	1095.1	1122.0	1115.4
65°	797.4	800.2	891.3	1017.8	1082.8	1168.4	1175.8	1185.1	1164.6	1172.0	1192.8
67.5°	677.2	682.4	762.0	884.1	1008.4	1151.7	1213.4	1231.2	1229.6	1227.4	1248.0
70°	548.3	551.8	616.6	723.6	888.2	1105.6	1248.3	1271.0	1277.3	1262.0	1247.4
72°	350.7	368.0	453.6	554.6	751.9	1035.6	1263.9	1285.6	1296.5	1259.8	1155.5
72.5°	275.5	289.2	419.0	508.2	705.2	1019.4	1260.9	1280.6	1290.8	1247.7	1116.5
75°	59.3	60.9	131.2	247.0	444.8	780.9	1156.3	1158.8	1169.8	1087.2	764.5
77.5°	25.5	25.8	36.5	81.5	159.7	399.3	800.4	823.2	822.4	703.6	369.6
80°	17.8	18.4	21.7	37.3	76.0	115.5	391.0	393.5	338.6	251.6	92.2
82.5°	9.3	9.9	15.4	22.2	51.6	42.3	126.5	127.6	94.1	59.3	21.4
85°	1.6	2.5	7.4	13.4	20.0	17.0	27.7	34.8	30.2	23.6	9.1
87.5°	0.3	0.3	1.9	1.9	2.7	1.6	2.7	3.0	3.3	4.9	2.5
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	25.2	34.0	36.2	38.7
10°	0.8	1.1	0.8	0.8	0.5	34.6	42.5	43.1	43.6	43.6	43.4
12.5°	34.8	35.7	12.6	2.5	32.1	43.9	41.7	38.1	34.8	33.8	33.5
15°	74.6	74.9	67.8	58.4	62.3	41.4	32.7	37.0	37.6	36.2	36.2
17.5°	80.4	80.4	76.8	93.8	78.8	41.4	34.3	28.3	24.1	23.0	22.8
20°	159.2	139.4	112.8	95.2	64.2	46.4	24.1	20.6	20.0	20.0	20.9
22.5°	171.8	169.3	146.8	128.4	55.2	32.7	23.6	23.6	28.0	27.4	27.2
25°	224.2	220.9	166.3	111.7	55.2	28.0	29.9	26.3	25.8	25.2	24.7
27.5°	283.5	276.6	233.8	101.0	39.0	29.4	28.5	25.0	29.6	29.6	29.4
30°	322.7	296.9	235.4	90.6	32.9	31.3	26.9	29.1	26.3	24.7	24.7
32.5°	418.2	406.4	287.8	63.9	31.3	28.3	28.3	25.0	22.2	23.0	22.8
35°	448.4	433.0	256.3	48.0	28.8	26.1	23.6	22.0	18.9	17.0	16.7
37.5°	485.7	465.7	215.1	37.0	28.3	23.0	19.5	16.7	14.5	14.5	14.3
40°	531.5	501.1	175.9	31.6	25.0	19.8	15.1	12.9	11.5	10.7	10.4
42.5°	581.7	534.5	135.3	28.5	21.7	16.2	11.3	9.3	8.5	8.2	8.2
45°	634.7	565.5	97.1	26.1	18.9	12.6	8.2	6.6	6.3	6.3	6.3
47.5°	688.7	588.0	66.1	23.6	15.9	9.3	6.0	4.9	4.9	4.7	4.7
50°	741.7	603.4	45.6	21.1	12.9	6.6	4.4	4.1	4.1	3.8	3.8
52.5°	780.1	599.8	34.0	18.4	10.2	4.9	3.6	3.3	3.3	3.3	3.3
55°	817.4	591.9	28.0	15.6	7.7	3.6	2.7	2.5	2.5	2.5	2.5
57.5°	855.9	581.2	24.1	12.6	5.5	2.7	1.9	1.9	1.9	1.9	1.9
60°	887.7	560.3	20.9	10.2	3.8	1.9	1.6	1.4	1.4	1.4	1.4
62.5°	923.1	539.2	17.8	7.7	2.7	1.4	1.1	0.8	0.8	0.5	0.8
65°	948.3	513.4	14.5	5.5	1.9	1.1	0.8	0.5	0.3	0.0	0.3
67.5°	947.8	479.1	10.4	3.6	1.4	0.8	0.5	0.3	0.0	0.0	0.0
70°	906.3	430.0	7.1	2.5	1.1	0.5	0.5	0.3	0.0	0.0	0.0
72°	799.9	346.8	5.5	2.2	1.1	0.5	0.5	0.3	0.0	0.0	0.0
72.5°	762.6	318.3	4.9	1.9	1.1	0.5	0.5	0.3	0.0	0.0	0.0
75°	484.3	132.5	3.8	1.6	1.1	0.5	0.5	0.3	0.3	0.3	0.0
77.5°	225.0	48.6	2.7	1.4	0.8	0.5	0.5	0.3	0.3	0.5	0.0
80°	49.1	14.3	1.9	1.4	0.8	0.5	0.5	0.5	0.5	0.8	0.0
82.5°	11.3	4.7	1.6	1.1	0.8	0.5	0.5	0.5	0.5	0.8	0.0
85°	4.1	2.7	1.6	1.4	1.1	0.5	0.5	0.8	0.8	1.1	0.0
87.5°	1.6	1.6	1.4	1.4	1.1	0.5	0.8	0.8	1.1	1.1	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)