

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: P694545

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2655 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

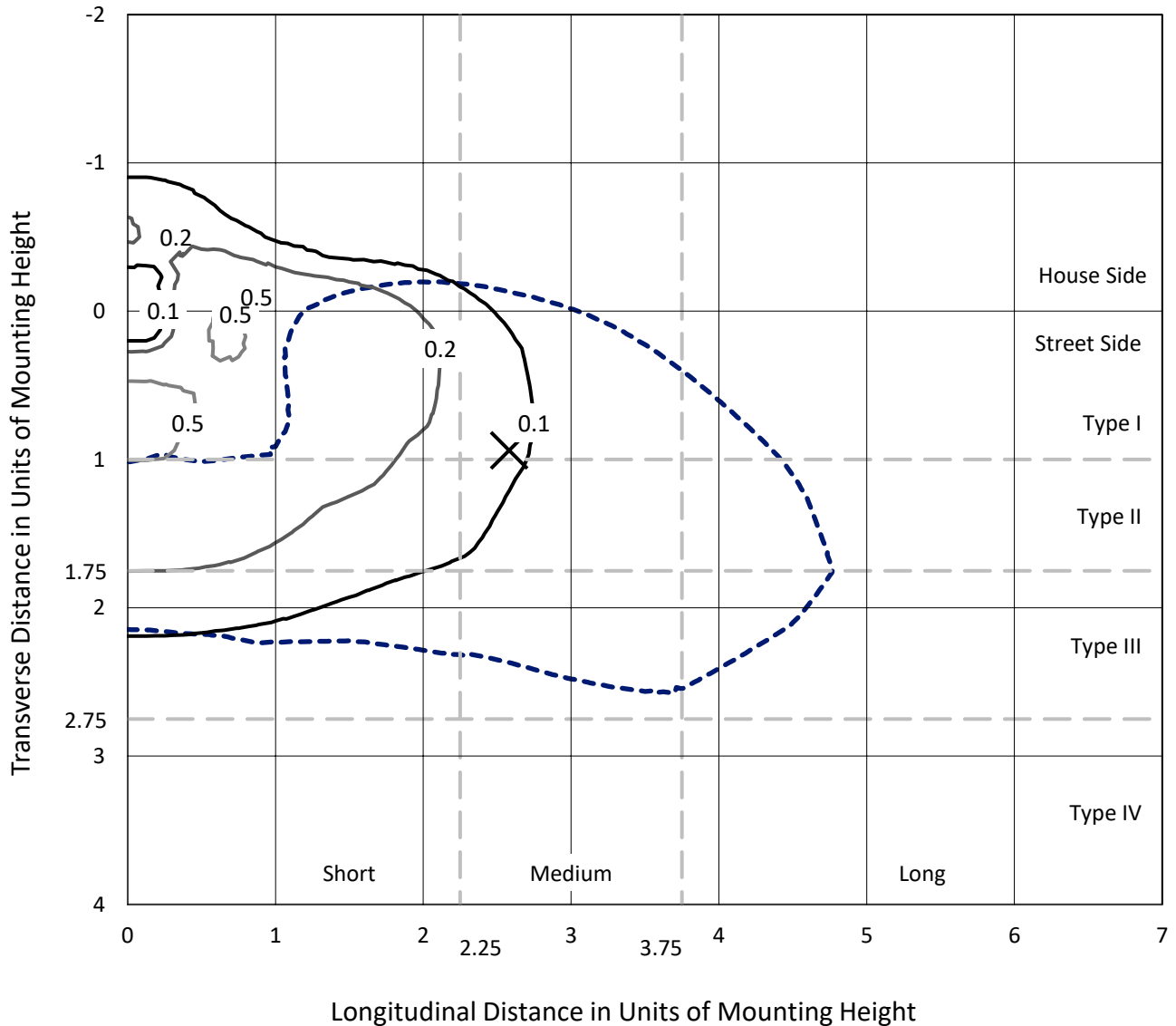
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

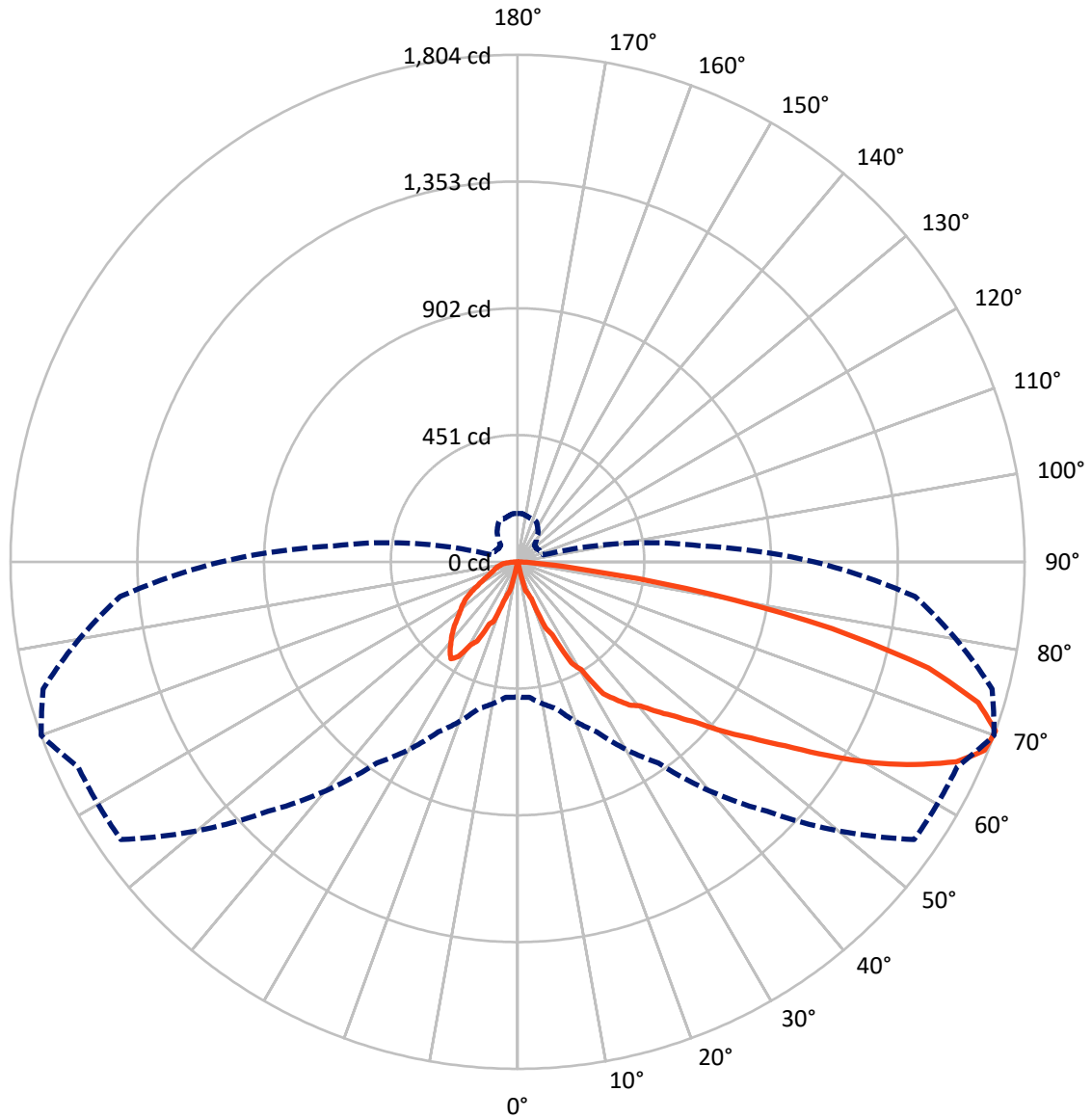
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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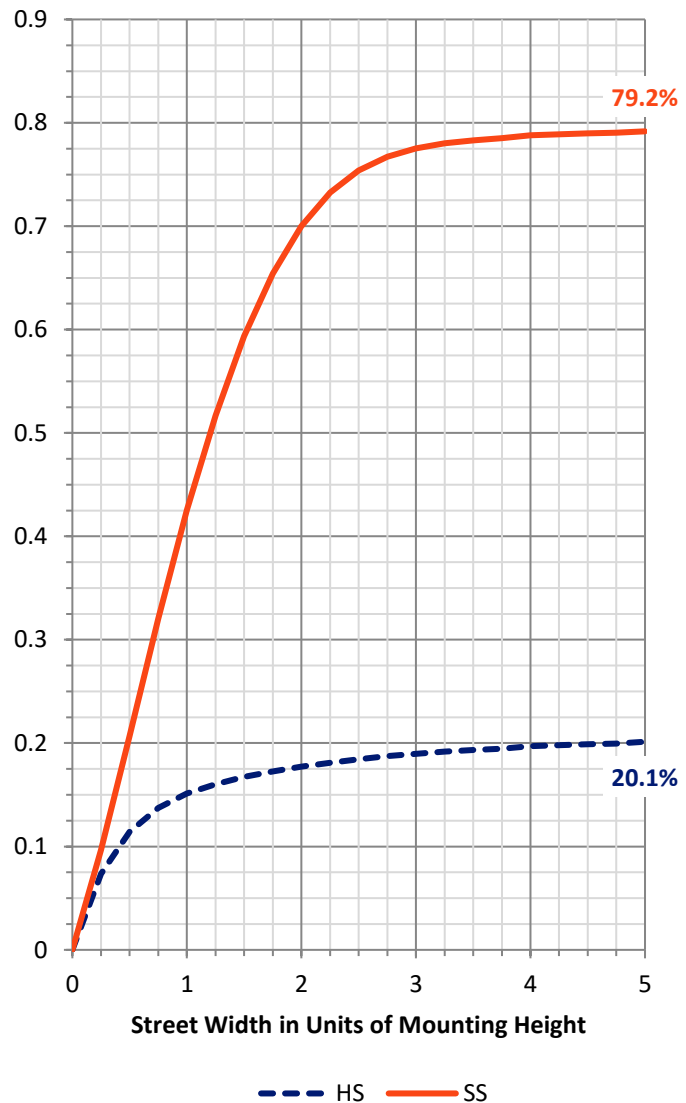
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.1	0.0	547.1
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	2107.9	0.0	2107.9
	% Fixture	79.4	0.0	79.4
Total	Lumens	2655.0	0.0	2655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	22.5	0.8
20°-30°	127.0	4.8
30°-40°	282.5	10.6
40°-50°	404.0	15.2
50°-60°	587.1	22.1
60°-70°	736.8	27.8
70°-80°	437.6	16.5
80°-90°	57.5	2.2
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°	2655.0	100.0
0°-180°	2655.0	100.0

Coefficient of Utilization

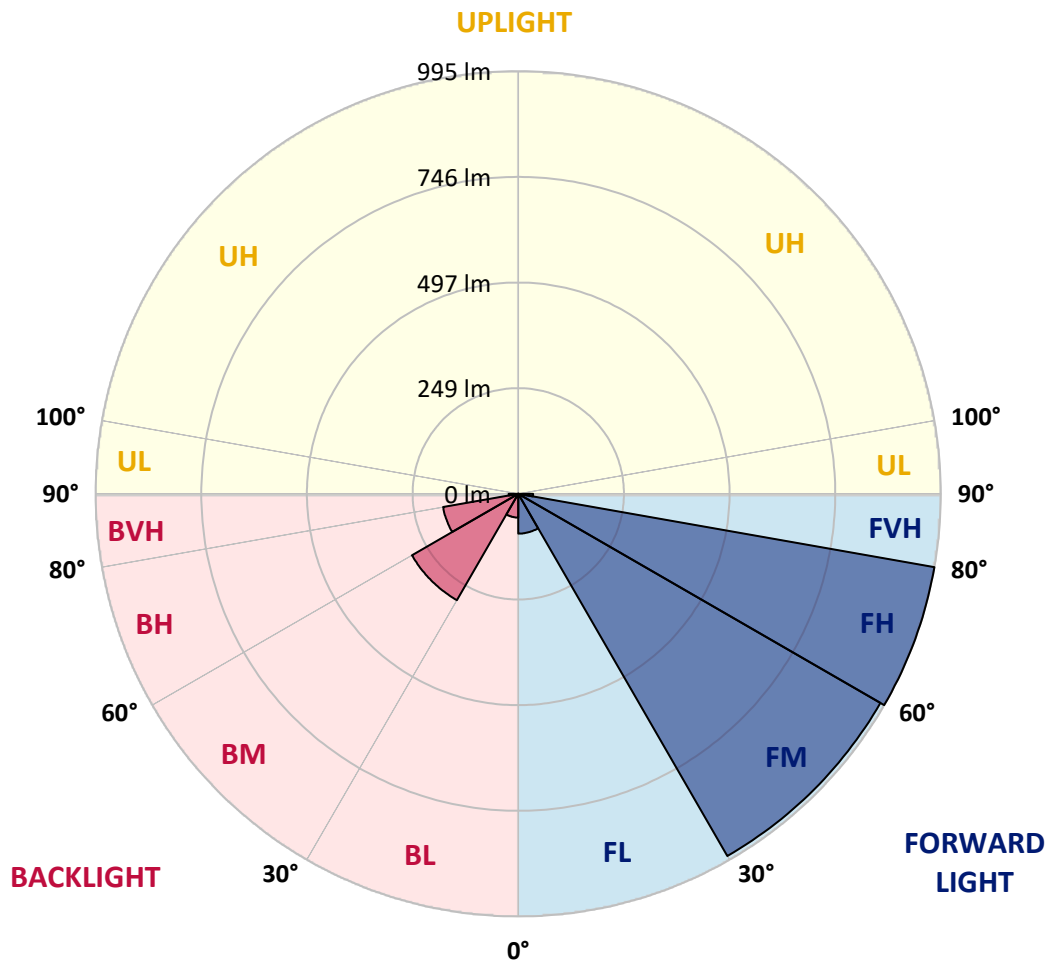


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.7	3.5			
FM (30°-60°)	984.5	37.1			
FH (60°-80°)	994.8	37.5			G1/1800
FVH (80°-90°)	34.9	1.3			G1/100
BL (0°-30°)	55.9	2.1	B0/110		
BM (30°-60°)	289.0	10.9	B1/1000		
BH (60°-80°)	179.6	6.8	B1/500		G1/500
BVH (80°-90°)	22.6	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
10°	11.9	12.8	8.2	4.6	1.8	0.9	0.9	0.9	0.9	0.9	0.9
12.5°	105.9	105.9	105.0	67.6	21.0	4.6	1.8	5.5	10.0	11.0	16.4
15°	117.8	117.8	117.8	115.9	110.5	38.3	17.3	96.8	105.9	108.6	108.6
17.5°	155.2	157.9	143.3	128.7	122.3	106.8	103.2	115.9	117.8	119.6	120.5
20°	263.8	263.8	263.8	235.5	145.2	187.2	171.6	132.4	138.8	166.2	229.1
22.5°	294.0	293.1	286.7	277.5	297.6	208.2	195.4	231.0	254.7	262.9	259.3
25°	450.1	449.2	425.4	314.1	327.7	281.2	294.0	293.1	287.6	290.3	286.7
27.5°	488.4	486.6	484.8	441.9	362.4	379.8	341.4	381.6	407.2	426.3	414.5
30°	686.5	647.3	568.8	501.2	462.9	407.2	439.1	462.9	445.5	453.7	434.6
32.5°	725.8	729.4	725.8	631.8	514.9	463.8	493.0	491.2	559.6	583.4	577.0
35°	765.0	762.3	756.8	672.8	598.9	535.0	519.5	601.6	601.6	615.3	596.2
37.5°	796.1	795.2	787.9	695.7	640.9	560.5	587.9	645.5	646.4	660.1	618.1
40°	822.6	823.5	820.7	720.3	674.7	587.9	619.9	688.4	673.8	693.8	654.6
42.5°	845.4	848.1	852.7	756.8	703.9	615.3	650.0	719.4	728.5	752.3	707.5
45°	887.4	892.9	899.3	814.3	743.1	651.8	691.1	781.5	783.3	818.9	780.6
47.5°	940.3	944.0	957.7	876.4	801.6	704.8	733.1	827.1	853.6	898.3	868.2
50°	986.0	993.3	1011.5	952.2	881.9	782.4	792.4	894.7	947.6	987.8	960.4
52.5°	1020.7	1027.1	1054.5	1016.1	966.8	865.5	867.3	988.7	1042.6	1098.3	1081.8
55°	1049.0	1056.3	1081.8	1076.4	1044.4	933.9	970.5	1079.1	1154.9	1220.6	1202.4
57.5°	1053.5	1052.6	1101.0	1117.4	1098.3	1024.3	1101.0	1177.7	1299.1	1351.2	1352.1
60°	1032.5	1037.1	1094.6	1144.8	1146.7	1117.4	1243.4	1309.2	1451.6	1486.3	1497.2
62.5°	987.8	997.9	1061.8	1144.8	1185.9	1210.6	1382.2	1457.1	1588.5	1606.8	1594.9
65°	902.9	906.6	969.5	1091.9	1189.6	1295.5	1525.5	1585.8	1715.4	1697.2	1616.8
67.5°	729.4	740.4	798.8	940.3	1102.8	1332.9	1656.1	1682.6	1791.2	1752.9	1563.0
70°	481.1	483.9	541.4	667.4	873.7	1255.3	1722.7	1725.5	1804.0	1747.4	1419.6
72.5°	209.1	192.6	247.4	348.7	535.9	978.7	1641.5	1680.7	1713.6	1644.2	1175.9
75°	90.4	92.2	106.8	144.2	248.3	553.2	1365.8	1465.3	1510.0	1400.5	857.3
77.5°	67.6	67.6	77.6	87.6	115.9	209.1	890.1	1091.0	1143.9	1014.3	533.2
80°	49.3	51.1	58.4	63.9	74.9	84.9	443.7	661.0	694.8	528.6	234.6
82.5°	37.4	37.4	42.0	45.6	51.1	51.1	150.6	283.9	257.5	179.9	81.3
85°	16.4	13.7	21.9	21.0	22.8	18.3	40.2	52.0	52.0	41.1	18.3
87.5°	0.0	0.9	0.9	0.9	1.8	1.8	3.7	2.7	3.7	3.7	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°	0.9	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	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
7.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
10°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
12.5°	14.6	17.3	11.0	5.5	0.9	0.0	0.0	0.9	0.9	1.8	1.8
15°	110.5	109.6	109.6	100.4	17.3	2.7	1.8	9.1	31.0	65.7	64.8
17.5°	120.5	120.5	120.5	115.9	105.0	29.2	29.2	96.8	105.0	105.9	106.8
20°	228.2	225.5	174.4	125.1	110.5	105.0	95.9	105.9	107.7	108.6	110.5
22.5°	256.5	253.8	241.9	217.3	124.2	152.5	137.9	113.2	168.9	177.1	178.9
25°	284.8	277.5	259.3	227.3	208.2	154.3	161.6	161.6	168.9	168.0	168.9
27.5°	406.3	398.0	373.4	258.4	225.5	180.8	178.9	157.9	169.8	193.5	195.4
30°	425.4	415.4	381.6	297.6	237.4	197.2	167.1	188.1	197.2	194.5	195.4
32.5°	561.5	549.6	495.7	299.4	239.2	181.7	185.3	188.1	191.7	209.1	210.9
35°	578.8	567.9	494.8	343.3	220.9	180.8	178.9	191.7	212.7	215.5	216.4
37.5°	603.5	592.5	484.8	313.1	220.0	178.9	174.4	189.0	196.3	193.5	191.7
40°	639.1	622.6	465.6	280.3	199.9	169.8	169.8	173.5	178.9	168.9	166.2
42.5°	692.0	658.2	444.6	251.1	183.5	157.9	157.9	158.9	155.2	146.1	146.1
45°	749.5	688.4	417.2	224.6	167.1	145.2	146.1	139.7	143.3	136.0	136.0
47.5°	817.1	724.9	383.4	199.0	152.5	133.3	131.5	132.4	136.9	131.5	131.5
50°	894.7	768.7	357.9	176.2	139.7	121.4	126.0	128.7	134.2	129.6	128.7
52.5°	986.9	815.3	337.8	157.9	128.7	111.4	122.3	126.0	132.4	129.6	128.7
55°	1094.6	873.7	305.8	143.3	118.7	105.9	119.6	126.0	133.3	131.5	130.6
57.5°	1195.0	923.9	261.1	128.7	111.4	102.3	118.7	126.0	135.1	133.3	132.4
60°	1285.4	971.4	206.3	117.8	105.0	97.7	115.9	126.0	136.0	136.9	136.0
62.5°	1331.1	974.1	167.1	109.6	98.6	93.1	113.2	125.1	135.1	140.6	140.6
65°	1309.2	919.3	133.3	101.3	93.1	87.6	110.5	127.8	143.3	152.5	152.5
67.5°	1219.7	808.9	110.5	94.9	86.7	83.1	114.1	144.2	158.9	168.0	168.0
70°	1056.3	653.7	94.9	89.5	82.2	84.9	126.9	157.9	162.5	172.5	171.6
72.5°	838.1	488.4	84.9	84.0	79.4	89.5	135.1	152.5	152.5	156.1	152.5
75°	589.8	310.4	76.7	78.5	73.0	82.2	127.8	142.4	136.0	134.2	133.3
77.5°	336.0	168.0	67.6	71.2	65.7	71.2	111.4	126.9	120.5	115.9	114.1
80°	144.2	85.8	58.4	63.9	57.5	60.3	93.1	109.6	105.0	99.5	97.7
82.5°	57.5	44.7	49.3	56.6	48.4	51.1	79.4	93.1	89.5	84.0	78.5
85°	16.4	17.3	30.1	40.2	36.5	40.2	63.9	73.9	68.5	53.9	52.0
87.5°	1.8	2.7	6.4	8.2	9.1	7.3	14.6	20.1	18.3	13.7	11.0
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)