

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: P694680

Luminaire Tested: **LXF.LXT-PA16-20-827-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

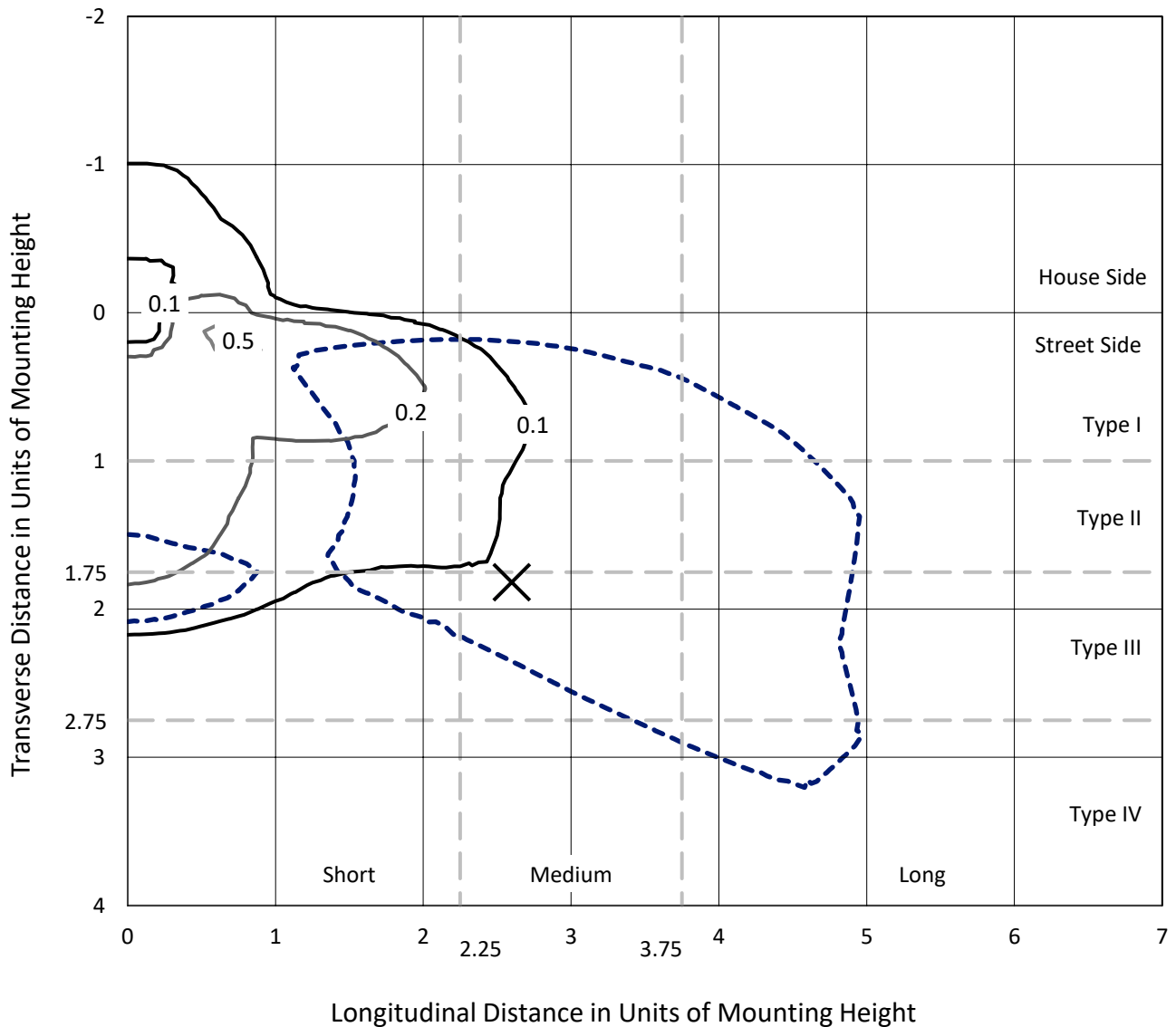
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

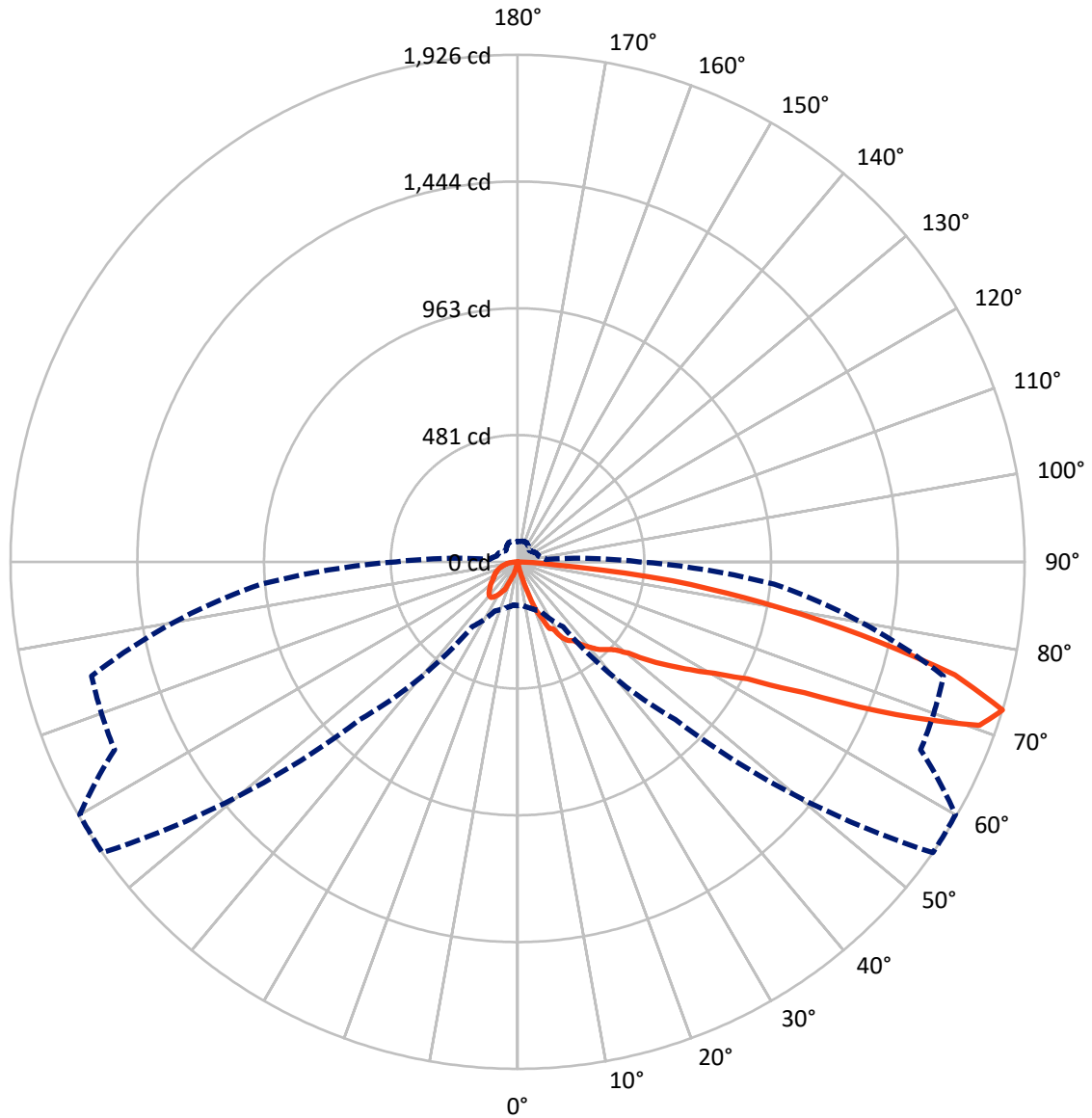
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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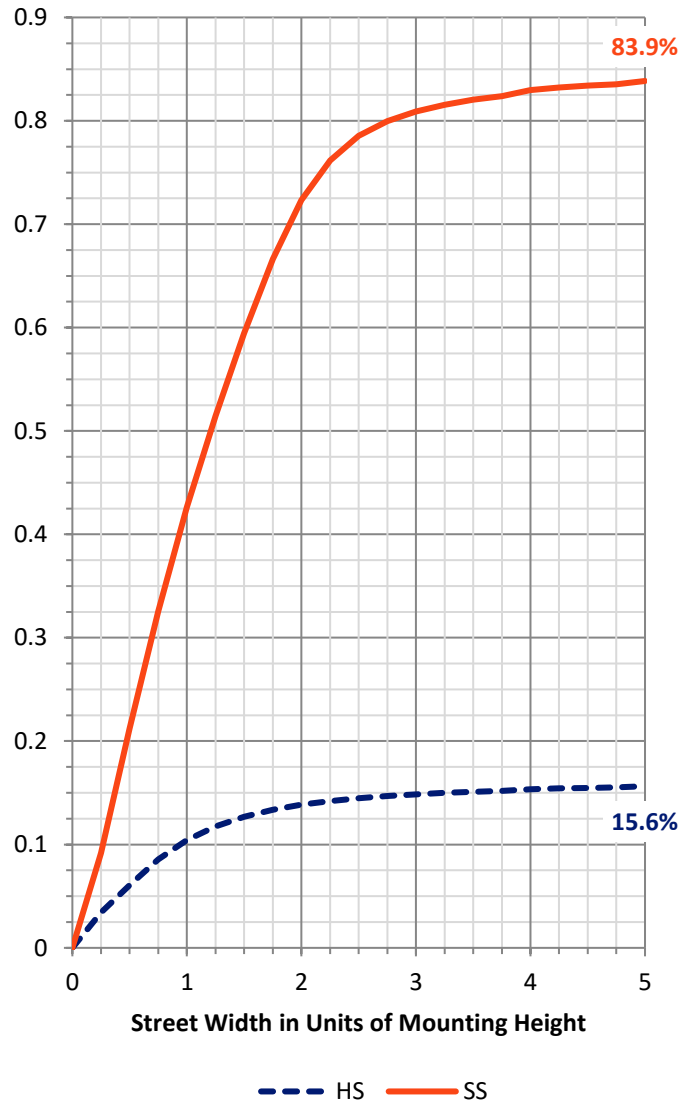
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.2	0.0	332.2
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	1758.8	0.0	1758.8
	% Fixture	84.1	0.0	84.1
Total	Lumens	2091.0	0.0	2091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.2	1.0
20°-30°	94.6	4.5
30°-40°	201.5	9.6
40°-50°	293.5	14.0
50°-60°	427.6	20.5
60°-70°	567.5	27.1
70°-80°	417.8	20.0
80°-90°	68.0	3.3
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°	2091.0	100.0
0°-180°	2091.0	100.0

Coefficient of Utilization

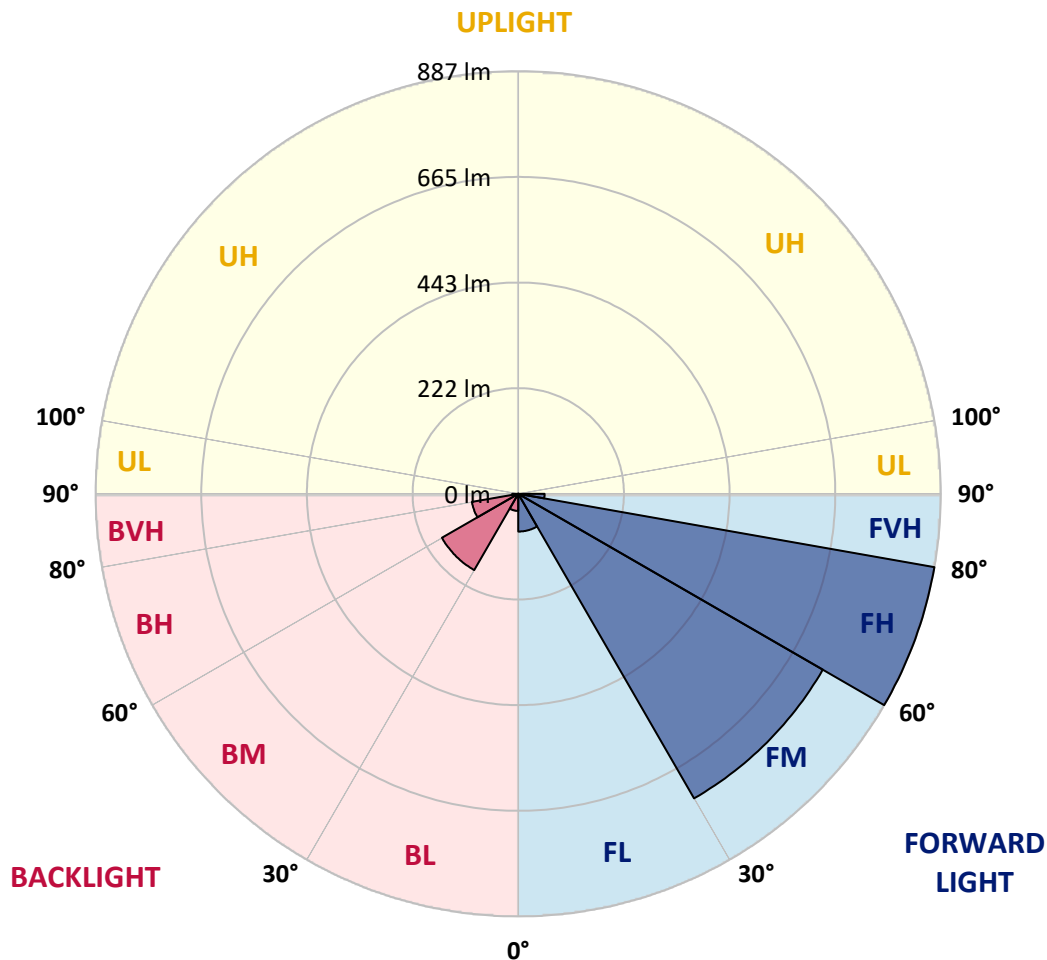


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.1	3.8			
FM (30°-60°)	737.8	35.3			
FH (60°-80°)	886.7	42.4			G1/1800
FVH (80°-90°)	55.2	2.6			G1/100
BL (0°-30°)	35.8	1.7	B0/110		
BM (30°-60°)	184.9	8.8	B0/220		
BH (60°-80°)	98.7	4.7	B0/110		G0/110
BVH (80°-90°)	12.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10°	15.1	15.8	12.8	6.0	2.3	0.8	0.8	0.8	1.5	1.5	2.3
12.5°	119.8	121.3	119.1	48.2	22.6	4.5	3.0	5.3	8.3	12.8	50.5
15°	119.1	119.1	121.3	125.1	125.1	26.4	52.8	68.6	95.7	124.4	122.9
17.5°	125.9	125.1	122.1	120.6	128.9	147.0	111.5	134.2	136.4	140.9	137.9
20°	183.1	183.1	183.1	174.1	130.4	180.9	188.4	152.2	153.8	214.8	208.8
22.5°	200.5	199.7	193.7	189.2	196.7	179.4	227.6	261.5	257.8	292.4	274.3
25°	285.6	277.4	263.0	208.8	217.8	210.3	281.1	322.6	291.7	318.1	344.4
27.5°	333.1	327.1	314.3	284.1	232.1	254.7	287.9	339.2	396.4	454.5	408.5
30°	446.2	440.2	376.8	330.1	287.9	262.3	335.4	402.5	466.5	476.3	425.8
32.5°	462.8	463.5	466.5	422.1	338.4	290.2	357.2	416.0	498.9	598.4	529.1
35°	473.3	472.6	472.6	437.9	403.2	342.9	367.8	468.0	573.6	634.6	523.8
37.5°	505.0	502.7	498.9	446.2	426.6	380.6	401.0	481.6	615.0	691.1	518.5
40°	543.4	545.7	535.9	468.8	442.4	409.3	427.3	487.6	664.0	737.1	516.3
42.5°	597.7	594.7	578.1	506.5	465.8	422.1	456.0	503.5	700.2	798.9	520.8
45°	658.7	651.2	627.8	558.5	500.4	429.6	474.8	532.1	732.6	869.0	536.6
47.5°	722.0	712.2	679.1	600.7	536.6	443.9	498.9	569.0	769.5	957.9	566.0
50°	782.3	775.5	733.3	645.2	574.3	470.3	544.9	624.8	820.0	1046.9	615.8
52.5°	842.6	831.3	779.3	690.4	610.5	503.5	620.3	707.0	887.8	1136.6	670.0
55°	907.4	892.4	825.3	734.8	640.6	547.9	693.4	792.1	968.5	1244.3	737.1
57.5°	1015.2	1004.7	908.9	801.2	683.6	602.2	772.5	877.3	1055.2	1343.1	804.2
60°	1137.3	1118.5	1024.3	916.5	773.3	686.6	860.0	972.3	1138.1	1438.0	878.8
62.5°	1132.8	1113.9	1047.6	985.8	888.6	827.5	979.8	1070.2	1208.9	1527.7	945.1
65°	899.9	902.9	900.7	911.2	921.0	1025.8	1197.6	1214.2	1320.5	1611.4	1008.4
67.5°	489.9	485.4	541.1	650.4	801.9	1151.6	1550.3	1446.3	1458.4	1689.8	1052.1
70°	233.6	233.6	266.1	361.8	575.1	1074.0	1860.8	1740.3	1606.9	1723.7	1046.9
72.5°	166.6	164.3	181.6	205.8	300.7	847.1	1925.7	1920.4	1689.0	1674.7	977.5
75°	134.9	136.4	143.2	156.0	142.4	498.2	1714.6	1811.1	1612.1	1520.2	864.5
77.5°	109.3	109.3	117.6	123.6	91.2	241.9	1331.0	1456.1	1278.2	1239.8	635.4
80°	81.4	81.4	85.9	98.7	67.1	102.5	942.1	980.5	843.4	765.0	312.0
82.5°	49.7	46.7	52.8	69.3	48.2	58.8	591.6	533.6	423.6	237.4	92.7
85°	9.0	10.6	15.1	24.1	18.1	21.9	137.2	100.2	84.4	40.7	21.1
87.5°	0.0	0.0	0.0	0.8	1.5	2.3	3.0	3.8	3.8	3.0	2.3
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	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
10°	2.3	2.3	1.5	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
12.5°	52.8	54.3	13.6	7.5	2.3	0.8	0.0	0.8	1.5	3.0	3.8
15°	119.1	112.3	86.7	44.5	25.6	3.0	1.5	12.8	34.7	37.7	39.9
17.5°	131.1	122.1	90.4	63.3	49.7	24.1	30.1	48.2	54.3	57.3	57.3
20°	194.5	171.1	110.8	73.9	58.8	64.1	52.8	57.3	63.3	68.6	71.6
22.5°	249.5	208.8	128.1	105.5	79.9	82.2	72.4	82.9	101.7	109.3	110.0
25°	300.7	232.9	134.9	117.6	114.6	93.5	102.5	103.3	112.3	116.8	117.6
27.5°	339.9	244.9	161.3	135.7	126.6	114.6	116.8	115.3	143.2	152.2	153.8
30°	344.4	235.1	168.8	153.8	139.4	132.6	125.9	149.2	160.5	164.3	164.3
32.5°	382.1	242.7	185.4	165.8	153.0	138.7	150.7	158.3	171.1	194.5	195.2
35°	342.2	216.3	192.2	180.1	162.8	150.7	157.5	177.9	202.7	208.0	207.3
37.5°	301.5	196.7	183.1	179.4	168.8	158.3	165.8	185.4	199.0	194.5	194.5
40°	268.3	183.1	176.4	173.3	168.1	154.5	169.6	177.1	192.2	187.7	186.9
42.5°	244.9	173.3	169.6	165.8	162.0	149.2	159.0	175.6	189.2	183.9	182.4
45°	237.4	167.3	165.1	159.8	153.0	141.7	152.2	173.3	186.2	180.9	179.4
47.5°	246.5	162.0	159.0	152.2	143.2	131.9	148.5	169.6	179.4	170.3	169.6
50°	272.8	159.8	153.0	144.0	134.9	128.9	143.2	160.5	168.8	160.5	160.5
52.5°	309.8	160.5	147.0	136.4	125.9	122.1	137.2	154.5	161.3	153.0	152.2
55°	349.7	162.8	139.4	128.9	114.6	116.8	134.2	151.5	153.8	144.7	144.0
57.5°	394.9	165.1	131.9	123.6	108.5	110.8	128.1	145.5	144.7	132.6	132.6
60°	440.9	167.3	124.4	116.8	102.5	103.3	120.6	137.9	133.4	121.3	120.6
62.5°	479.3	165.1	115.3	109.3	96.5	94.2	111.5	128.9	125.1	112.3	112.3
65°	512.5	156.0	107.8	101.7	90.4	86.7	102.5	117.6	114.6	102.5	103.3
67.5°	526.1	141.7	100.2	94.2	83.7	78.4	91.9	104.0	103.3	93.5	94.2
70°	505.7	122.1	91.9	86.7	76.1	69.3	81.4	91.9	91.9	85.2	85.2
72.5°	462.0	107.8	82.9	78.4	67.1	61.8	71.6	79.9	81.4	76.9	77.6
75°	413.0	94.2	72.4	70.1	59.5	52.8	61.0	69.3	70.8	68.6	68.6
77.5°	311.3	73.1	61.0	61.0	52.0	45.2	52.0	59.5	61.0	60.3	59.5
80°	157.5	52.0	49.0	52.0	43.0	37.7	43.0	49.7	52.0	56.5	56.5
82.5°	53.5	33.9	36.9	42.2	34.7	30.1	33.2	40.7	53.5	46.0	45.2
85°	15.1	15.1	19.6	22.6	23.4	20.3	23.4	38.4	30.9	26.4	25.6
87.5°	1.5	2.3	3.0	4.5	3.8	4.5	6.0	7.5	5.3	3.8	3.0
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)