

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: P694530

Luminaire Tested: **LXF.LXT-PA16-20-730-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694530
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-PA16-20-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2533 lumens
Efficiency: N/A
Efficacy: 116.2 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

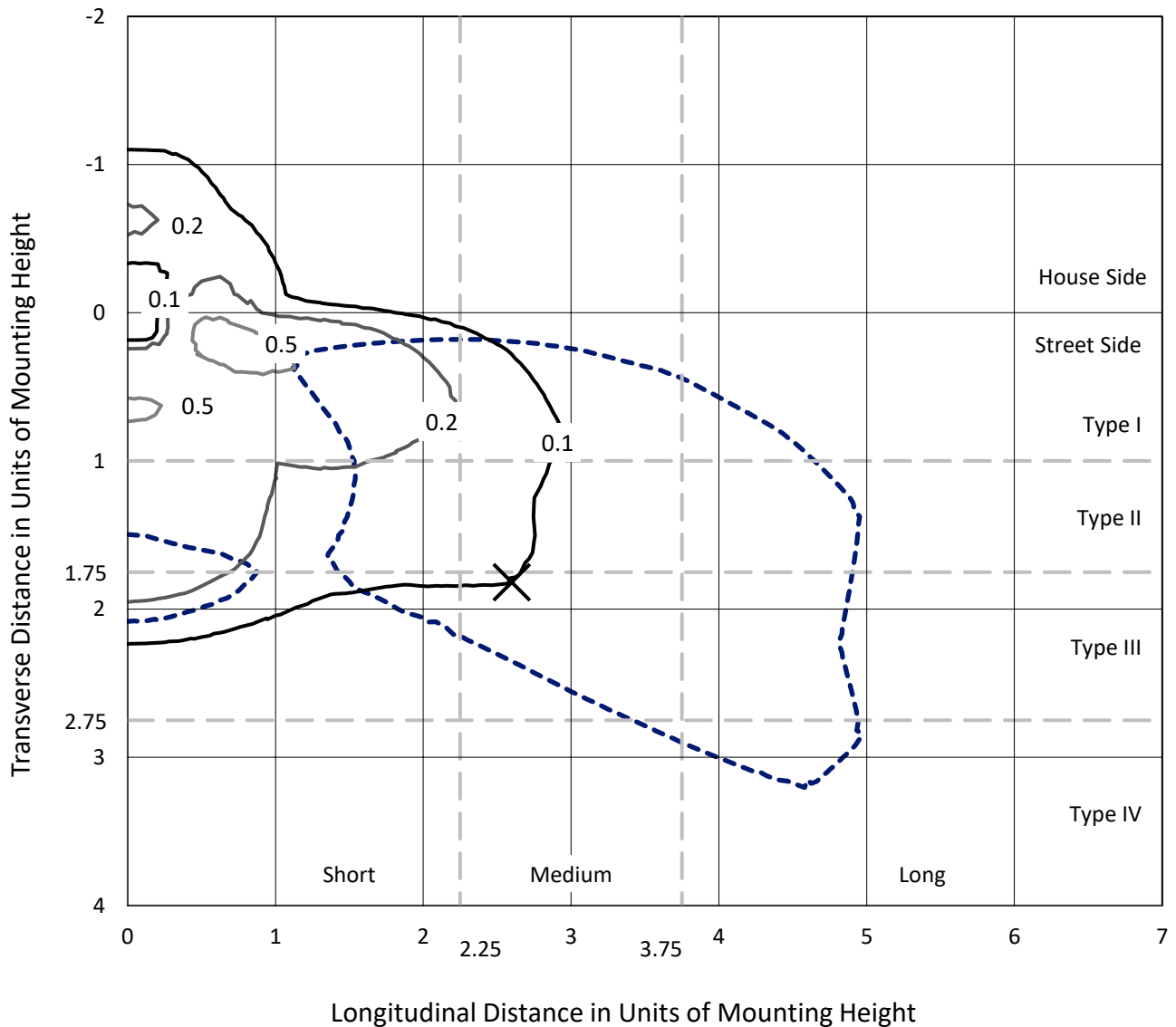
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

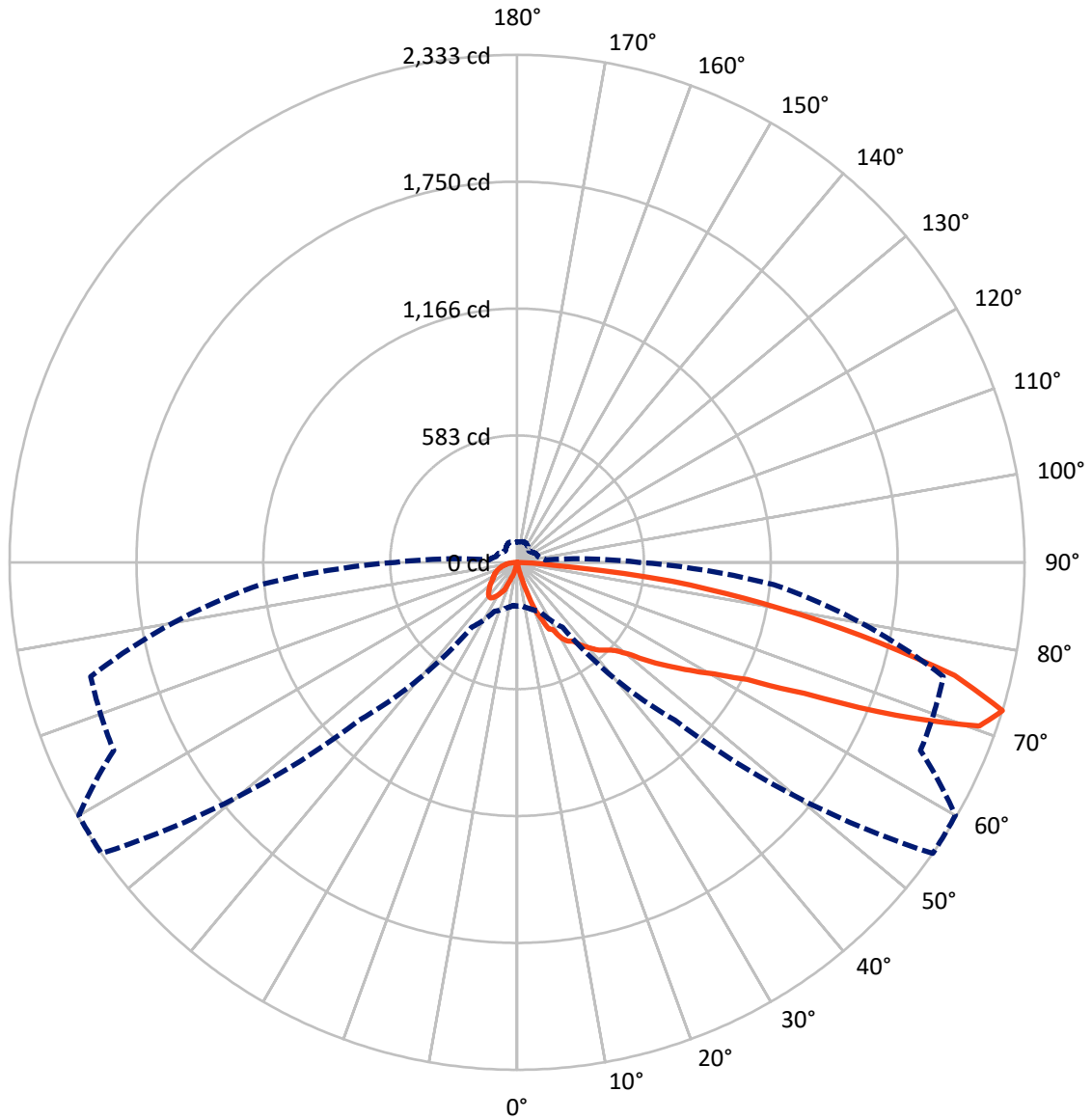
× Max cd
 - - - 1/2 Max cd



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

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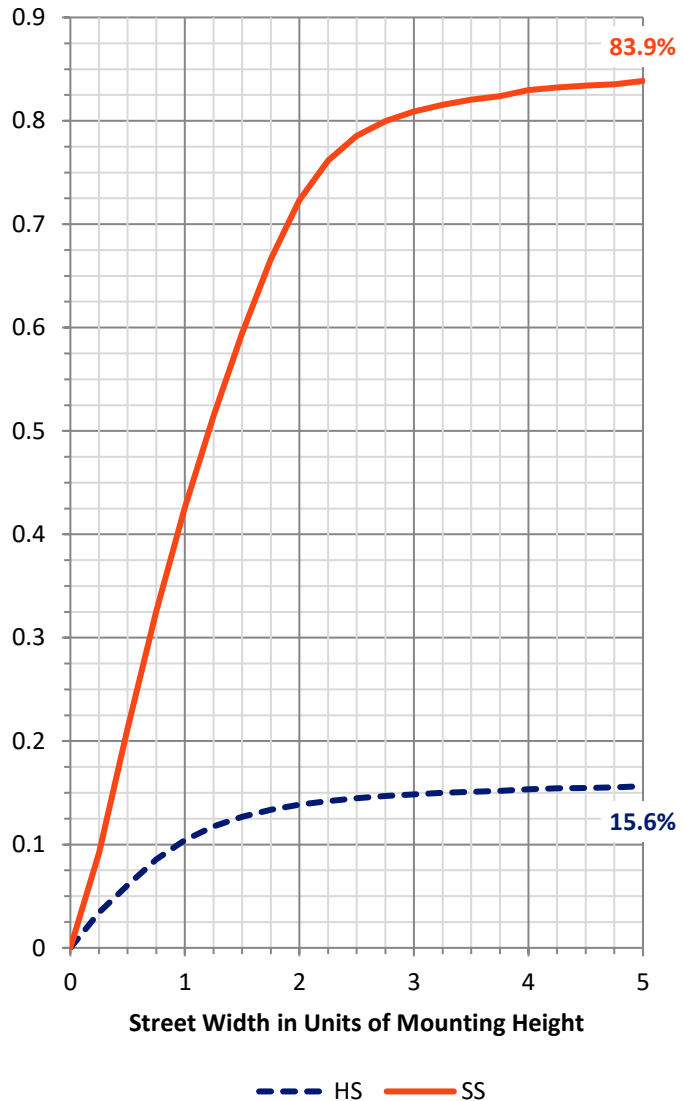
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	402.4	0.0	402.4
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	2130.6	0.0	2130.6
	% Fixture	84.1	0.0	84.1
Total	Lumens	2533.0	0.0	2533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	24.5	1.0
20°-30°	114.6	4.5
30°-40°	244.2	9.6
40°-50°	355.5	14.0
50°-60°	518.0	20.5
60°-70°	687.5	27.1
70°-80°	506.2	20.0
80°-90°	82.4	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°	2533.0	100.0
0°-180°	2533.0	100.0

Coefficient of Utilization

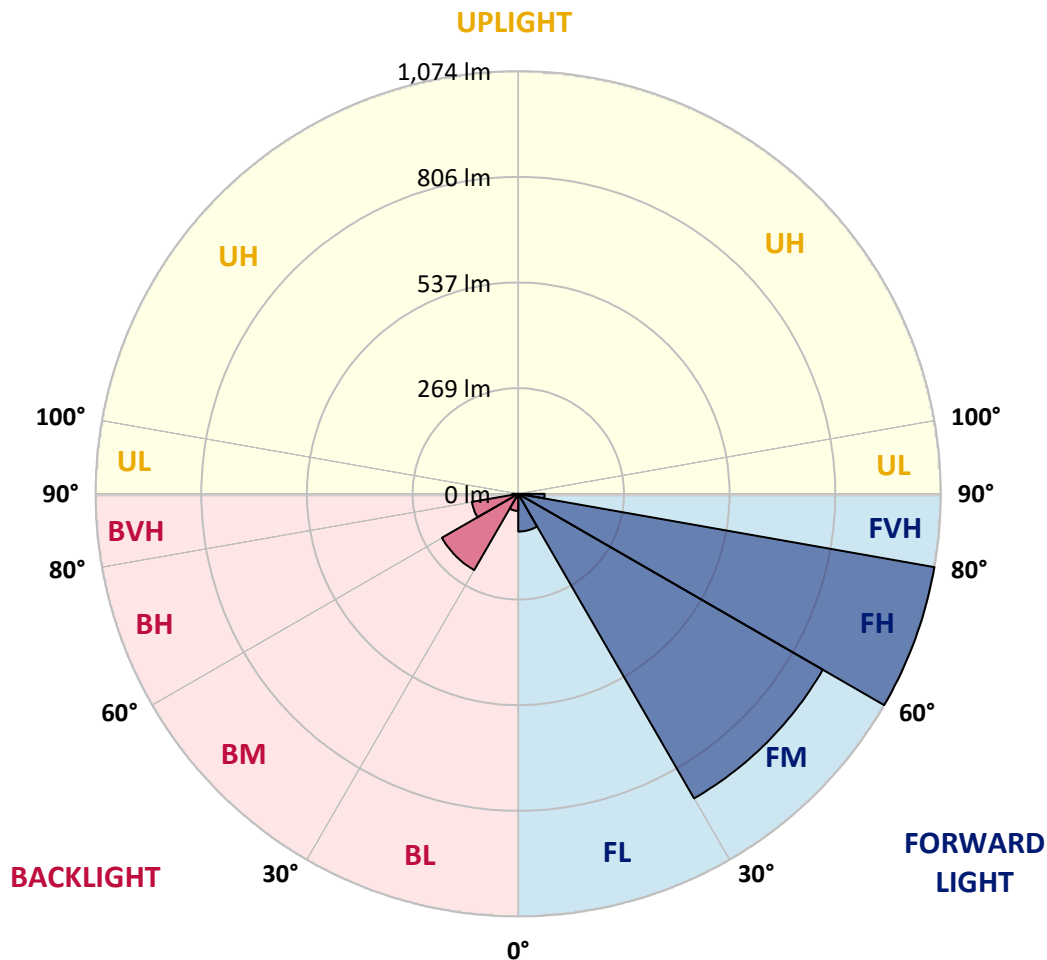


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.9	3.8			
FM (30°-60°)	893.8	35.3			
FH (60°-80°)	1074.1	42.4			G1/1800
FVH (80°-90°)	66.9	2.6			G1/100
BL (0°-30°)	43.4	1.7	B0/110		
BM (30°-60°)	223.9	8.8	B1/1000		
BH (60°-80°)	119.6	4.7	B1/500		G1/500
BVH (80°-90°)	15.5	0.6			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°	60°	65°	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	0.0	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°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
10°	18.3	19.2	15.5	7.3	2.7	0.9	0.9	0.9	1.8	1.8	2.7
12.5°	145.2	147.0	144.3	58.4	27.4	5.5	3.7	6.4	10.0	15.5	61.2
15°	144.3	144.3	147.0	151.6	151.6	32.0	63.9	83.1	116.0	150.6	148.8
17.5°	152.5	151.6	147.9	146.1	156.1	178.0	135.1	162.5	165.3	170.7	167.1
20°	221.9	221.9	221.9	210.9	157.9	219.1	228.2	184.4	186.3	260.2	252.9
22.5°	242.9	241.9	234.6	229.2	238.3	217.3	275.7	316.8	312.2	354.2	332.3
25°	346.0	336.0	318.6	252.9	263.9	254.7	340.5	390.8	353.3	385.3	417.2
27.5°	403.5	396.2	380.7	344.2	281.2	308.6	348.8	410.8	480.2	550.5	494.8
30°	540.5	533.2	456.5	399.9	348.8	317.7	406.3	487.5	565.1	577.0	515.8
32.5°	560.6	561.5	565.1	511.3	409.9	351.5	432.8	504.0	604.4	724.9	640.9
35°	573.4	572.5	572.5	530.5	488.5	415.4	445.5	567.0	694.8	768.7	634.5
37.5°	611.7	609.0	604.4	540.5	516.8	461.1	485.7	583.4	745.0	837.2	628.1
40°	658.3	661.0	649.1	567.9	535.9	495.8	517.7	590.7	804.4	892.9	625.4
42.5°	724.0	720.4	700.3	613.5	564.2	511.3	552.4	609.9	848.2	967.8	630.9
45°	798.0	788.8	760.5	676.5	606.2	520.4	575.2	644.6	887.4	1052.7	650.1
47.5°	874.7	862.8	822.6	727.7	650.1	537.8	604.4	689.3	932.2	1160.4	685.7
50°	947.7	939.5	888.3	781.5	695.7	569.7	660.1	756.9	993.3	1268.2	745.9
52.5°	1020.7	1007.0	944.0	836.3	739.5	609.9	751.4	856.4	1075.5	1376.8	811.7
55°	1099.3	1081.0	999.7	890.2	776.0	663.8	840.0	959.6	1173.2	1507.4	892.9
57.5°	1229.8	1217.0	1101.1	970.5	828.1	729.5	935.8	1062.7	1278.2	1627.0	974.2
60°	1377.7	1354.9	1240.8	1110.2	936.7	831.7	1041.7	1177.8	1378.6	1742.0	1064.6
62.5°	1372.2	1349.4	1269.1	1194.2	1076.4	1002.5	1186.9	1296.5	1464.5	1850.7	1144.9
65°	1090.1	1093.8	1091.0	1103.8	1115.7	1242.6	1450.8	1470.8	1599.6	1952.0	1221.6
67.5°	593.4	588.0	655.5	787.9	971.4	1395.1	1878.0	1752.0	1766.7	2046.9	1274.5
70°	283.0	283.0	322.3	438.2	696.6	1301.0	2254.2	2108.1	1946.5	2088.0	1268.2
72.5°	201.8	199.0	220.0	249.2	364.3	1026.2	2332.7	2326.3	2046.0	2028.7	1184.2
75°	163.4	165.3	173.5	189.0	172.6	603.5	2077.1	2193.9	1952.9	1841.5	1047.2
77.5°	132.4	132.4	142.4	149.7	110.5	293.1	1612.4	1763.9	1548.4	1501.9	769.7
80°	98.6	98.6	104.1	119.6	81.3	124.2	1141.2	1187.8	1021.6	926.7	378.0
82.5°	60.3	56.6	63.9	84.0	58.4	71.2	716.7	646.4	513.1	287.6	112.3
85°	11.0	12.8	18.3	29.2	21.9	26.5	166.2	121.4	102.3	49.3	25.6
87.5°	0.0	0.0	0.0	0.9	1.8	2.7	3.7	4.6	4.6	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	0.0	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	0.0	0.9	0.9	0.9
10°	2.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9
12.5°	63.9	65.7	16.4	9.1	2.7	0.9	0.0	0.9	1.8	3.7	4.6
15°	144.3	136.0	105.0	53.9	31.0	3.7	1.8	15.5	42.0	45.6	48.4
17.5°	158.9	147.9	109.6	76.7	60.3	29.2	36.5	58.4	65.7	69.4	69.4
20°	235.6	207.3	134.2	89.5	71.2	77.6	63.9	69.4	76.7	83.1	86.7
22.5°	302.2	252.9	155.2	127.8	96.8	99.5	87.6	100.4	123.3	132.4	133.3
25°	364.3	282.1	163.4	142.4	138.8	113.2	124.2	125.1	136.0	141.5	142.4
27.5°	411.8	296.7	195.4	164.3	153.4	138.8	141.5	139.7	173.5	184.4	186.3
30°	417.2	284.9	204.5	186.3	168.9	160.7	152.5	180.8	194.5	199.0	199.0
32.5°	462.9	294.0	224.6	200.9	185.3	168.0	182.6	191.7	207.3	235.6	236.5
35°	414.5	262.0	232.8	218.2	197.2	182.6	190.8	215.5	245.6	252.0	251.1
37.5°	365.2	238.3	221.9	217.3	204.5	191.7	200.9	224.6	241.0	235.6	235.6
40°	325.0	221.9	213.6	210.0	203.6	187.2	205.4	214.6	232.8	227.3	226.4
42.5°	296.7	210.0	205.4	200.9	196.3	180.8	192.6	212.7	229.2	222.8	220.9
45°	287.6	202.7	199.9	193.6	185.3	171.6	184.4	210.0	225.5	219.1	217.3
47.5°	298.6	196.3	192.6	184.4	173.5	159.8	179.9	205.4	217.3	206.3	205.4
50°	330.5	193.6	185.3	174.4	163.4	156.1	173.5	194.5	204.5	194.5	194.5
52.5°	375.2	194.5	178.0	165.3	152.5	147.9	166.2	187.2	195.4	185.3	184.4
55°	423.6	197.2	168.9	156.1	138.8	141.5	162.5	183.5	186.3	175.3	174.4
57.5°	478.4	199.9	159.8	149.7	131.5	134.2	155.2	176.2	175.3	160.7	160.7
60°	534.1	202.7	150.6	141.5	124.2	125.1	146.1	167.1	161.6	147.0	146.1
62.5°	580.7	199.9	139.7	132.4	116.9	114.1	135.1	156.1	151.6	136.0	136.0
65°	620.8	189.0	130.6	123.3	109.6	105.0	124.2	142.4	138.8	124.2	125.1
67.5°	637.3	171.6	121.4	114.1	101.3	95.0	111.4	126.0	125.1	113.2	114.1
70°	612.6	147.9	111.4	105.0	92.2	84.0	98.6	111.4	111.4	103.2	103.2
72.5°	559.7	130.6	100.4	95.0	81.3	74.9	86.7	96.8	98.6	93.1	94.0
75°	500.3	114.1	87.6	84.9	72.1	63.9	74.0	84.0	85.8	83.1	83.1
77.5°	377.1	88.6	74.0	74.0	63.0	54.8	63.0	72.1	74.0	73.0	72.1
80°	190.8	63.0	59.3	63.0	52.0	45.6	52.0	60.3	63.0	68.5	68.5
82.5°	64.8	41.1	44.7	51.1	42.0	36.5	40.2	49.3	64.8	55.7	54.8
85°	18.3	18.3	23.7	27.4	28.3	24.7	28.3	46.6	37.4	32.0	31.0
87.5°	1.8	2.7	3.7	5.5	4.6	5.5	7.3	9.1	6.4	4.6	3.7
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)