

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: P694800

Luminaire Tested: **LXF.LXT-PA16-30-730-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694800
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-PA16-30-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA 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: 3278 lumens
Efficiency: N/A
Efficacy: 112.3 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

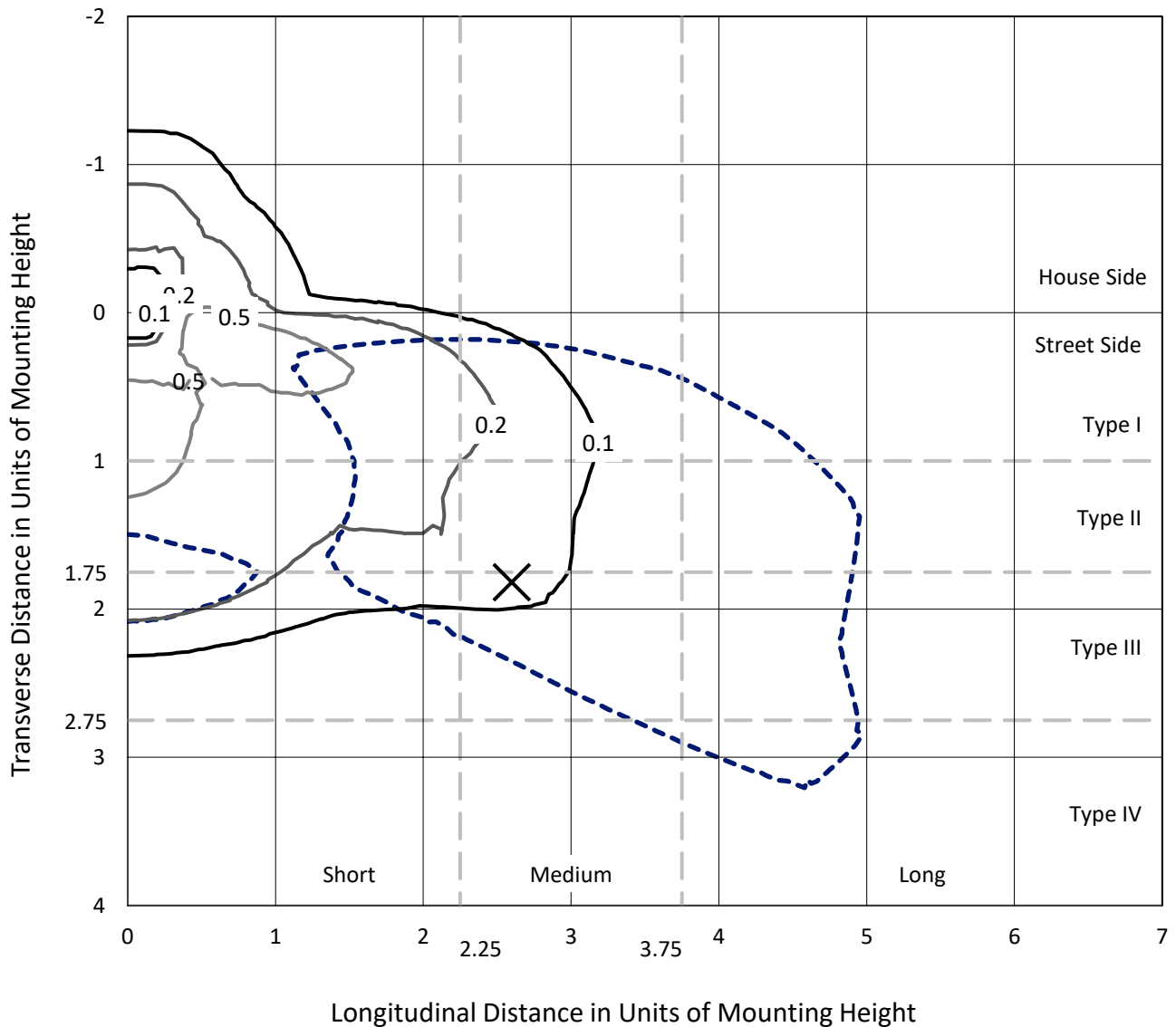
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

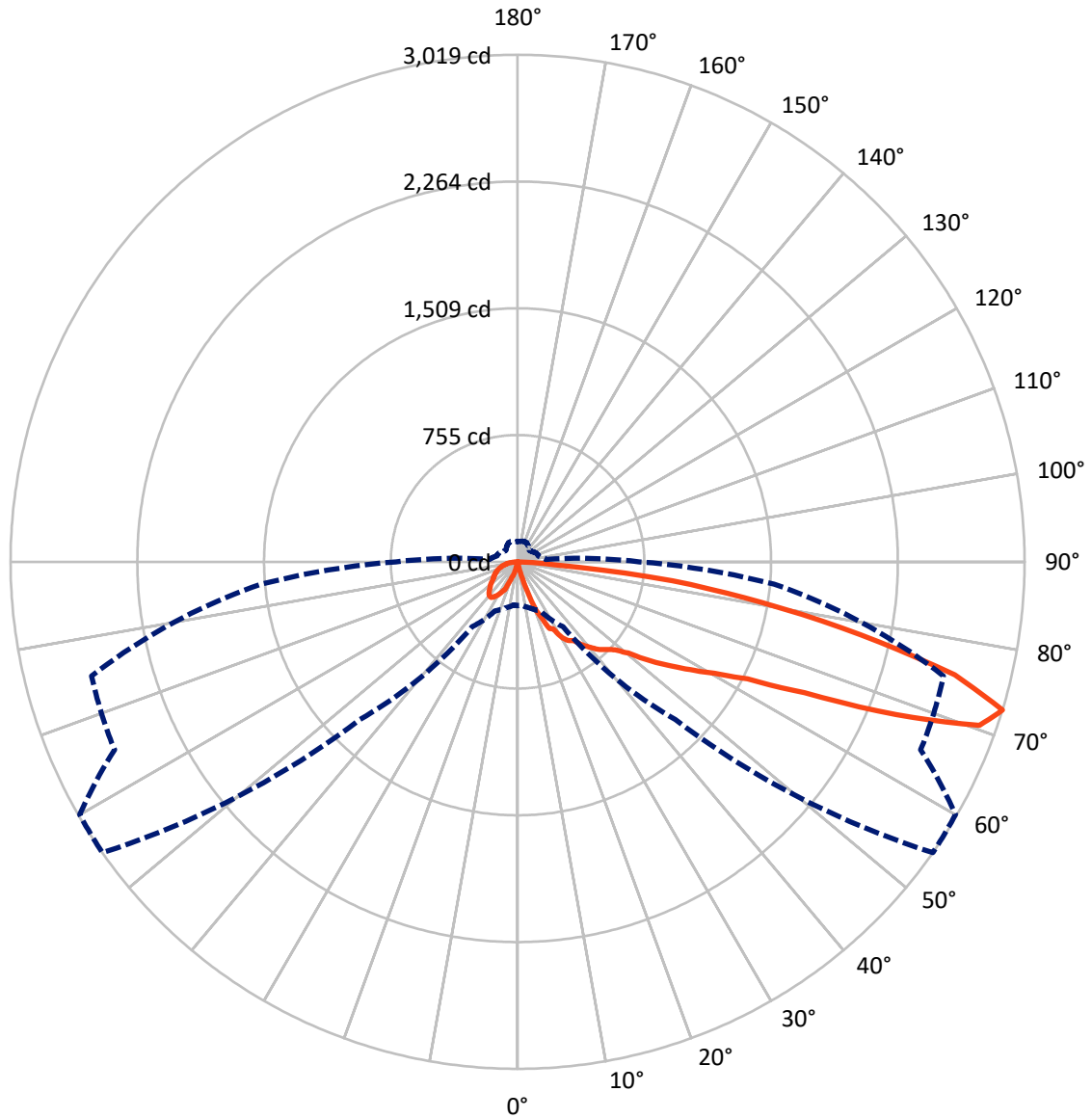
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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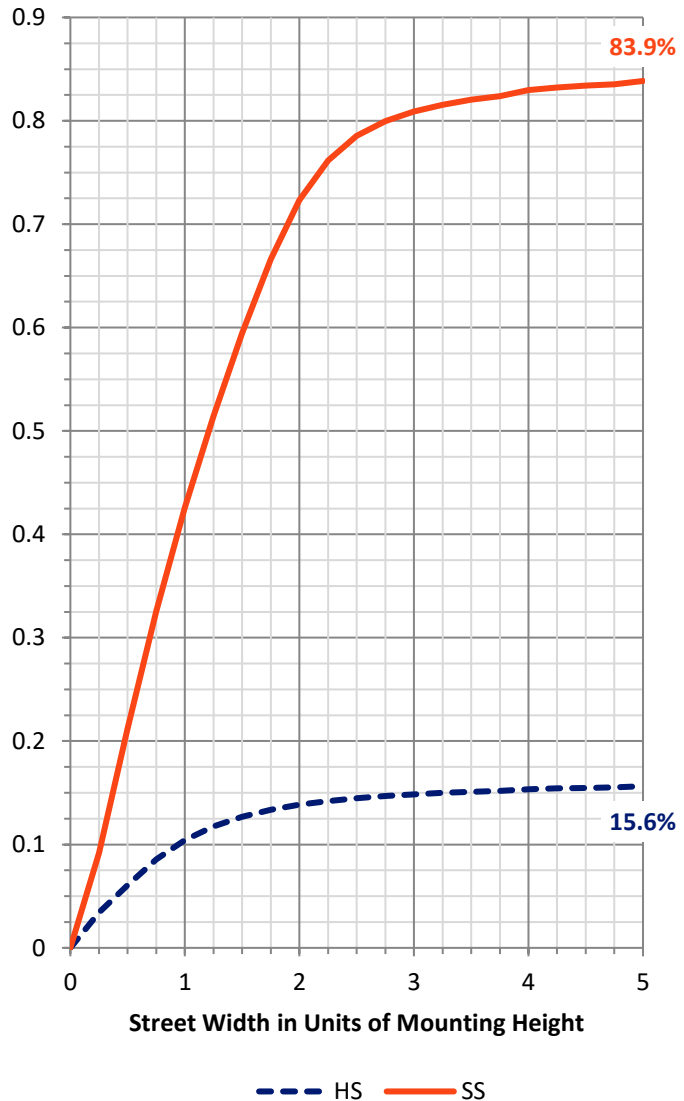
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	520.7	0.0	520.7
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	2757.3	0.0	2757.3
	% Fixture	84.1	0.0	84.1
Total	Lumens	3278.0	0.0	3278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	31.7	1.0
20°-30°	148.4	4.5
30°-40°	316.0	9.6
40°-50°	460.1	14.0
50°-60°	670.4	20.5
60°-70°	889.7	27.1
70°-80°	655.0	20.0
80°-90°	106.6	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°	3278.0	100.0
0°-180°	3278.0	100.0

Coefficient of Utilization

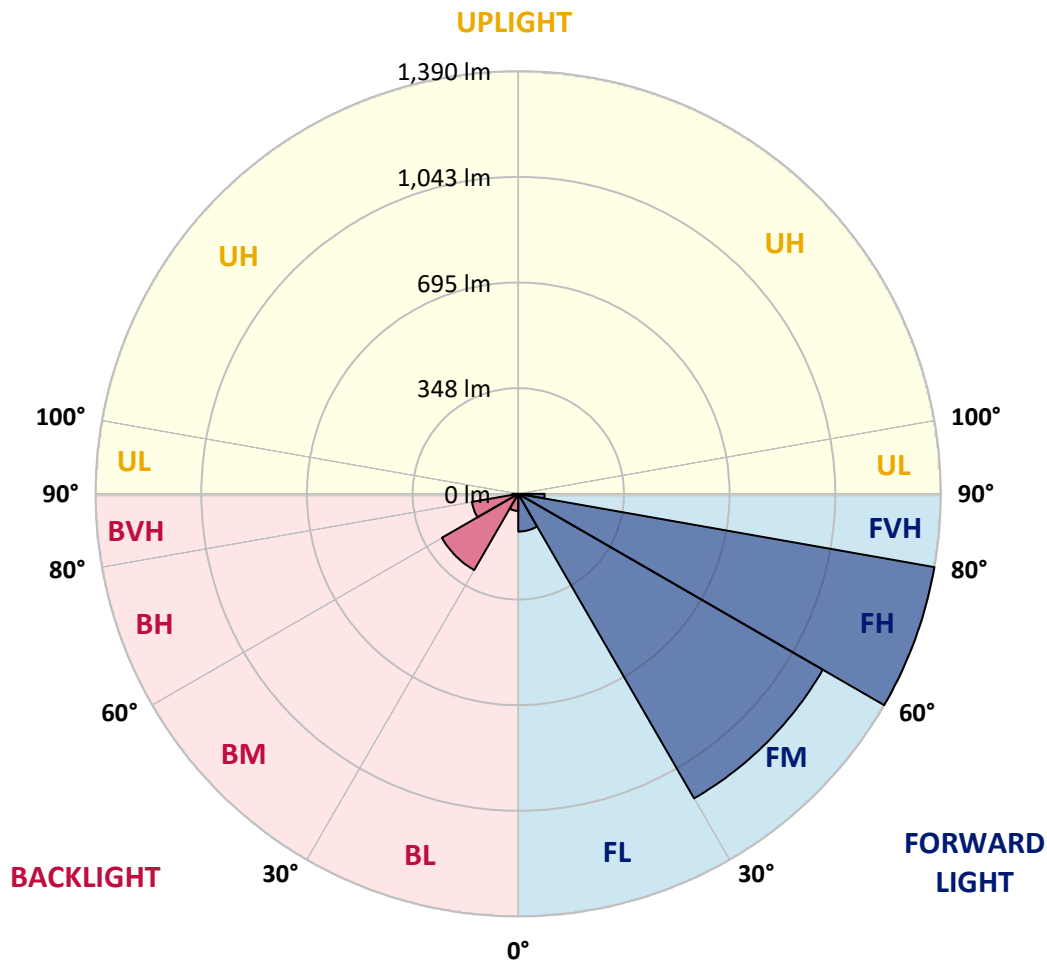


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.1	3.8			
FM (30°-60°)	1156.7	35.3			
FH (60°-80°)	1390.0	42.4			G1/1800
FVH (80°-90°)	86.5	2.6			G1/100
BL (0°-30°)	56.1	1.7	B0/110		
BM (30°-60°)	289.8	8.8	B1/1000		
BH (60°-80°)	154.8	4.7	B1/500		G1/500
BVH (80°-90°)	20.1	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10°	23.6	24.8	20.1	9.5	3.5	1.2	1.2	1.2	2.4	2.4	3.5
12.5°	187.9	190.2	186.7	75.6	35.4	7.1	4.7	8.3	13.0	20.1	79.2
15°	186.7	186.7	190.2	196.1	196.1	41.4	82.7	107.5	150.1	195.0	192.6
17.5°	197.3	196.1	191.4	189.0	202.0	230.4	174.9	210.3	213.9	220.9	216.2
20°	287.1	287.1	287.1	272.9	204.4	283.6	295.4	238.7	241.0	336.7	327.3
22.5°	314.3	313.1	303.7	296.6	308.4	281.2	356.8	410.0	404.1	458.4	430.1
25°	447.8	434.8	412.4	327.3	341.5	329.6	440.7	505.7	457.3	498.6	540.0
27.5°	522.2	512.8	492.7	445.4	363.9	399.4	451.3	531.7	621.5	712.5	640.4
30°	699.5	690.0	590.8	517.5	451.3	411.2	525.8	630.9	731.4	746.7	667.6
32.5°	725.5	726.6	731.4	661.7	530.5	454.9	560.0	652.2	782.2	938.1	829.4
35°	742.0	740.8	740.8	686.5	632.1	537.6	576.6	733.7	899.1	994.8	821.2
37.5°	791.6	788.1	782.2	699.5	668.7	596.7	628.6	755.0	964.1	1083.5	812.9
40°	851.9	855.4	840.1	734.9	693.6	641.6	669.9	764.4	1040.9	1155.5	809.3
42.5°	937.0	932.2	906.2	794.0	730.2	661.7	714.8	789.3	1097.6	1252.4	816.4
45°	1032.7	1020.8	984.2	875.5	784.5	673.5	744.4	834.2	1148.4	1362.3	841.2
47.5°	1131.9	1116.5	1064.6	941.7	841.2	695.9	782.2	892.1	1206.3	1501.7	887.3
50°	1226.4	1215.8	1149.6	1011.4	900.3	737.3	854.2	979.5	1285.5	1641.1	965.3
52.5°	1320.9	1303.2	1221.7	1082.3	957.0	789.3	972.4	1108.3	1391.8	1781.7	1050.4
55°	1422.6	1398.9	1293.8	1152.0	1004.3	859.0	1087.0	1241.8	1518.3	1950.7	1155.5
57.5°	1591.5	1575.0	1424.9	1256.0	1071.6	944.0	1211.1	1375.3	1654.1	2105.5	1260.7
60°	1782.9	1753.4	1605.7	1436.7	1212.2	1076.4	1348.1	1524.2	1784.1	2254.4	1377.7
62.5°	1775.8	1746.3	1642.3	1545.4	1393.0	1297.3	1536.0	1677.8	1895.2	2395.0	1481.6
65°	1410.7	1415.5	1411.9	1428.5	1443.8	1608.1	1877.4	1903.4	2070.0	2526.1	1580.9
67.5°	768.0	760.9	848.3	1019.7	1257.1	1805.4	2430.4	2267.4	2286.3	2649.0	1649.4
70°	366.3	366.3	417.1	567.1	901.5	1683.7	2917.2	2728.2	2519.0	2702.2	1641.1
72.5°	261.1	257.6	284.7	322.6	471.4	1328.0	3018.8	3010.5	2647.8	2625.4	1532.4
75°	211.5	213.9	224.5	244.6	223.3	781.0	2688.0	2839.2	2527.3	2383.1	1355.2
77.5°	171.3	171.3	184.3	193.8	143.0	379.3	2086.6	2282.7	2003.9	1943.6	996.0
80°	127.6	127.6	134.7	154.8	105.2	160.7	1476.9	1537.2	1322.1	1199.3	489.2
82.5°	78.0	73.3	82.7	108.7	75.6	92.2	927.5	836.5	664.0	372.2	145.3
85°	14.2	16.5	23.6	37.8	28.4	34.3	215.0	157.1	132.3	63.8	33.1
87.5°	0.0	0.0	0.0	1.2	2.4	3.5	4.7	5.9	5.9	4.7	3.5
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2
7.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
10°	3.5	3.5	2.4	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
12.5°	82.7	85.1	21.3	11.8	3.5	1.2	0.0	1.2	2.4	4.7	5.9
15°	186.7	176.0	135.9	69.7	40.2	4.7	2.4	20.1	54.4	59.1	62.6
17.5°	205.6	191.4	141.8	99.2	78.0	37.8	47.3	75.6	85.1	89.8	89.8
20°	304.8	268.2	173.7	115.8	92.2	100.4	82.7	89.8	99.2	107.5	112.2
22.5°	391.1	327.3	200.9	165.4	125.2	128.8	113.4	130.0	159.5	171.3	172.5
25°	471.4	365.1	211.5	184.3	179.6	146.5	160.7	161.9	176.0	183.1	184.3
27.5°	532.9	384.0	252.8	212.7	198.5	179.6	183.1	180.8	224.5	238.7	241.0
30°	540.0	368.6	264.7	241.0	218.6	207.9	197.3	233.9	251.7	257.6	257.6
32.5°	599.0	380.5	290.7	259.9	239.9	217.4	236.3	248.1	268.2	304.8	306.0
35°	536.4	339.1	301.3	282.4	255.2	236.3	246.9	278.8	317.8	326.1	324.9
37.5°	472.6	308.4	287.1	281.2	264.7	248.1	259.9	290.7	311.9	304.8	304.8
40°	420.6	287.1	276.5	271.8	263.5	242.2	265.8	277.7	301.3	294.2	293.0
42.5°	384.0	271.8	265.8	259.9	254.0	233.9	249.3	275.3	296.6	288.3	285.9
45°	372.2	262.3	258.8	250.5	239.9	222.1	238.7	271.8	291.8	283.6	281.2
47.5°	386.4	254.0	249.3	238.7	224.5	206.8	232.8	265.8	281.2	267.0	265.8
50°	427.7	250.5	239.9	225.7	211.5	202.0	224.5	251.7	264.7	251.7	251.7
52.5°	485.6	251.7	230.4	213.9	197.3	191.4	215.0	242.2	252.8	239.9	238.7
55°	548.2	255.2	218.6	202.0	179.6	183.1	210.3	237.5	241.0	226.9	225.7
57.5°	619.1	258.8	206.8	193.8	170.1	173.7	200.9	228.0	226.9	207.9	207.9
60°	691.2	262.3	195.0	183.1	160.7	161.9	189.0	216.2	209.1	190.2	189.0
62.5°	751.5	258.8	180.8	171.3	151.2	147.7	174.9	202.0	196.1	176.0	176.0
65°	803.4	244.6	169.0	159.5	141.8	135.9	160.7	184.3	179.6	160.7	161.9
67.5°	824.7	222.1	157.1	147.7	131.1	122.9	144.1	163.1	161.9	146.5	147.7
70°	792.8	191.4	144.1	135.9	119.3	108.7	127.6	144.1	144.1	133.5	133.5
72.5°	724.3	169.0	130.0	122.9	105.2	96.9	112.2	125.2	127.6	120.5	121.7
75°	647.5	147.7	113.4	109.9	93.3	82.7	95.7	108.7	111.1	107.5	107.5
77.5°	488.0	114.6	95.7	95.7	81.5	70.9	81.5	93.3	95.7	94.5	93.3
80°	246.9	81.5	76.8	81.5	67.3	59.1	67.3	78.0	81.5	88.6	88.6
82.5°	83.9	53.2	57.9	66.2	54.4	47.3	52.0	63.8	83.9	72.1	70.9
85°	23.6	23.6	30.7	35.4	36.6	31.9	36.6	60.3	48.4	41.4	40.2
87.5°	2.4	3.5	4.7	7.1	5.9	7.1	9.5	11.8	8.3	5.9	4.7
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)