

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: P414306

Luminaire Tested: **LXF.LXT-PA1-20-750-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2772 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

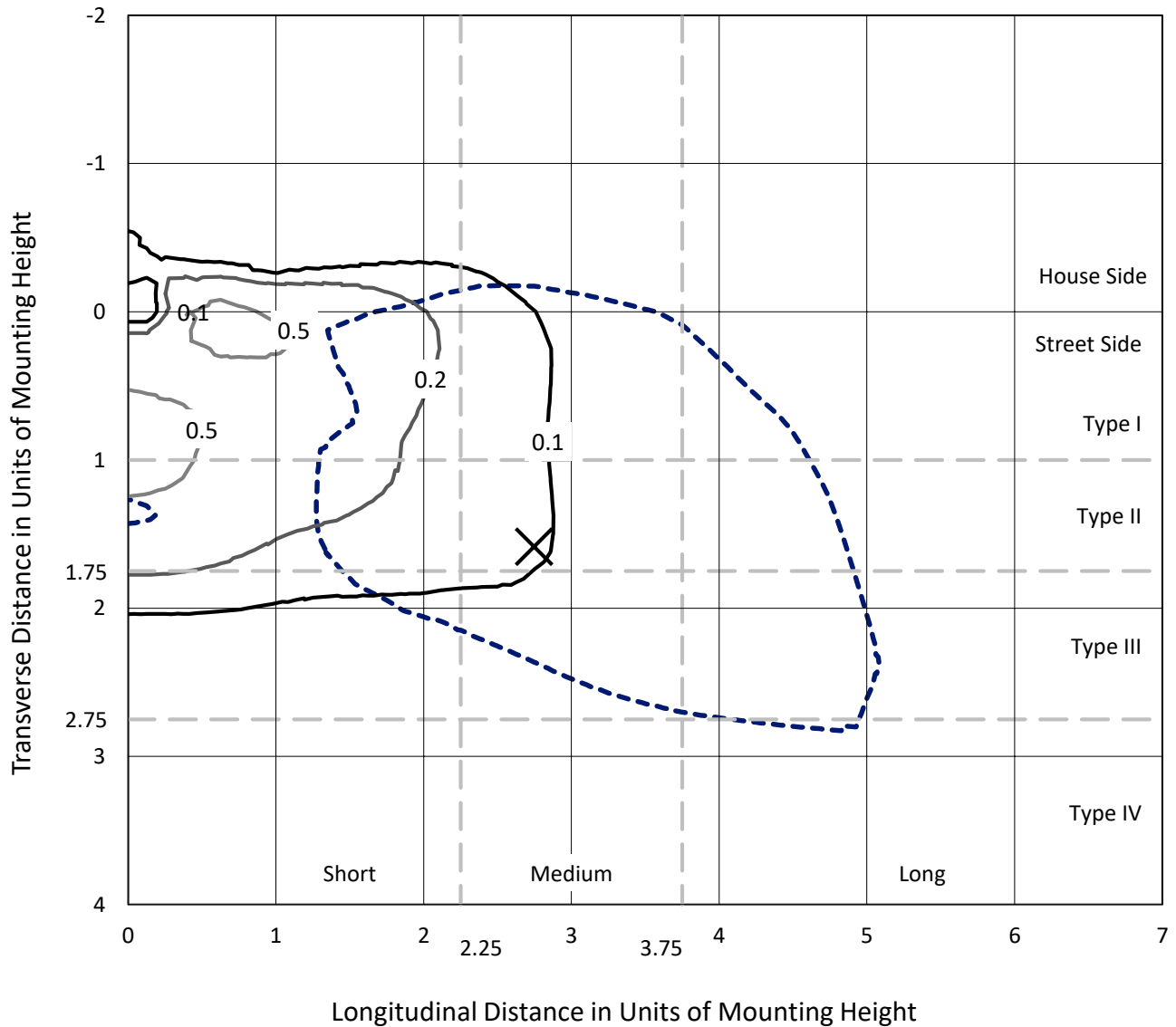
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414306
 CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

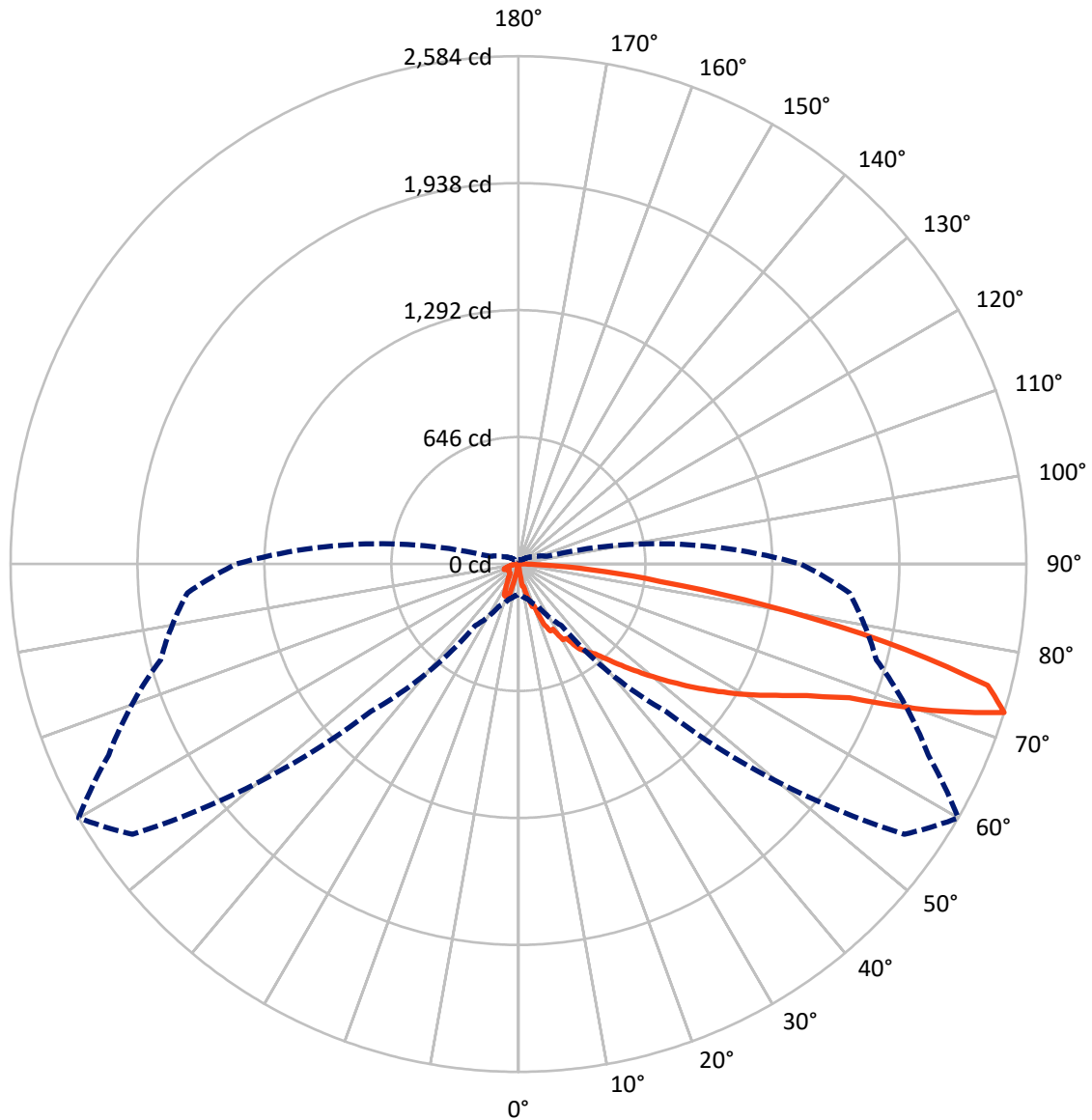
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414306
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P414306

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3

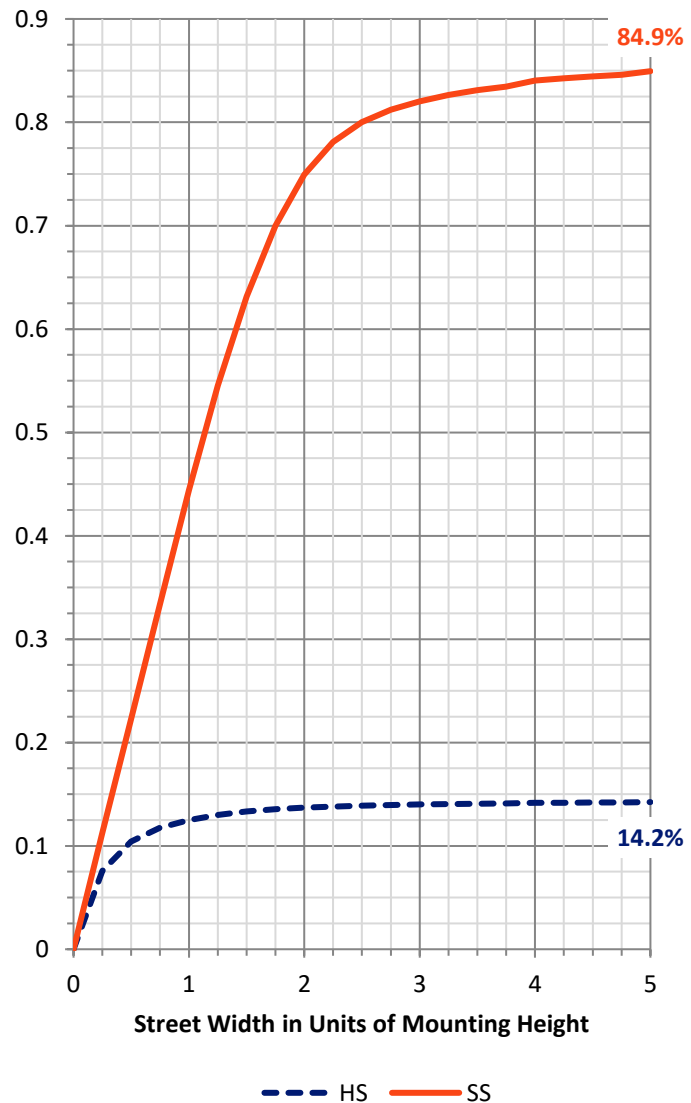
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	399.2	0.0	399.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2372.8	0.0	2372.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	2772.0	0.0	2772.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	40.4	1.5
20°-30°	121.7	4.4
30°-40°	240.7	8.7
40°-50°	398.7	14.4
50°-60°	595.6	21.5
60°-70°	708.5	25.6
70°-80°	567.2	20.5
80°-90°	96.3	3.5
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°	2772.0	100.0
0°-180°	2772.0	100.0



REPORT NUMBER: P414306

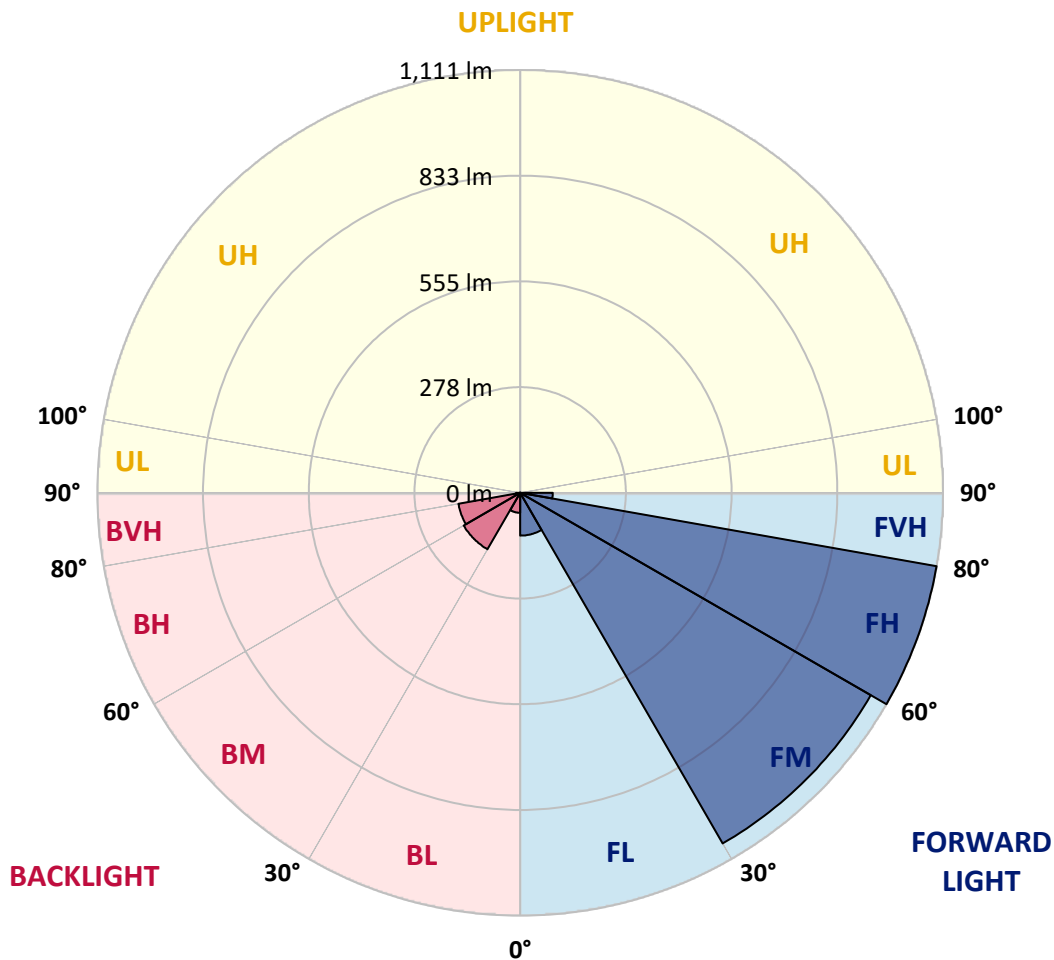
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.5	4.1			
FM	(30°-60°)	1063.7	38.4			
FH	(60°-80°)	1110.9	40.1			G1/1800
FVH	(80°-90°)	85.7	3.1			G1/100
BL	(0°-30°)	52.5	1.9	B0/110		
BM	(30°-60°)	171.3	6.2	B0/220		
BH	(60°-80°)	164.8	5.9	B1/500		G1/500
BVH	(80°-90°)	10.6	0.4			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





REPORT NUMBER: P414306

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3

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°	1.5	1.5	1.8	2.1	2.1	1.8	1.5	1.5	1.5	1.2	1.5
5°	103.6	52.2	35.0	16.6	12.4	6.0	2.4	1.8	1.8	1.5	1.5
7.5°	119.0	119.0	119.3	120.5	121.4	122.0	15.1	7.9	3.0	1.5	1.5
10°	114.8	113.8	114.5	115.7	116.9	118.7	120.8	114.8	13.6	2.4	1.8
12.5°	212.0	211.4	204.1	124.4	115.4	115.4	118.4	118.7	93.3	9.1	8.8
15°	204.4	204.1	205.0	207.2	210.5	119.3	121.1	176.4	229.8	161.9	188.1
17.5°	210.2	207.8	202.3	201.1	204.1	191.8	225.6	228.3	233.4	186.0	190.6
20°	288.4	287.5	287.5	242.2	199.6	279.0	264.8	228.6	234.6	269.1	337.0
22.5°	287.5	286.0	283.9	283.6	325.2	271.5	275.7	330.7	344.0	394.4	380.8
25°	390.8	386.8	327.7	285.7	323.1	304.1	368.4	378.1	349.7	409.2	389.6
27.5°	424.3	416.7	398.0	364.8	325.5	369.6	367.8	375.7	385.6	559.3	535.4
30°	576.2	540.6	440.3	423.7	389.3	374.2	419.2	446.6	487.1	547.8	557.8
32.5°	644.7	631.8	582.8	521.5	454.8	404.1	458.4	451.5	490.7	665.9	715.1
35°	792.7	776.7	642.6	587.4	528.8	495.3	471.4	527.3	575.6	692.5	728.7
37.5°	821.7	818.1	787.0	687.9	609.4	544.5	551.7	566.8	598.2	729.6	767.0
40°	844.4	844.7	853.7	768.3	683.7	623.6	601.9	602.2	629.0	790.6	816.3
42.5°	904.1	906.6	931.0	839.8	773.7	716.0	678.3	661.7	682.2	860.7	876.7
45°	1012.0	1006.5	1027.4	913.5	841.3	791.8	761.6	736.2	747.1	935.3	953.7
47.5°	1147.5	1136.1	1129.1	1005.3	915.0	872.4	844.4	817.8	821.1	1006.5	1041.9
50°	1252.3	1246.6	1210.7	1074.8	978.4	953.7	941.9	909.0	894.8	1085.9	1142.7
52.5°	1297.0	1291.6	1247.2	1127.3	1028.6	1031.3	1051.8	1008.9	969.1	1172.0	1238.7
55°	1289.2	1284.6	1255.4	1153.3	1064.8	1106.2	1159.9	1117.0	1065.4	1253.2	1336.6
57.5°	1231.2	1233.3	1233.0	1155.1	1092.6	1176.5	1265.6	1228.8	1167.5	1333.9	1416.0
60°	1103.2	1114.3	1156.0	1142.1	1127.9	1243.0	1368.3	1351.1	1286.2	1422.4	1489.4
62.5°	883.6	905.7	996.9	1071.1	1156.3	1336.0	1468.6	1470.7	1409.1	1490.9	1546.2
65°	596.1	594.3	730.2	914.4	1122.8	1482.1	1618.3	1614.1	1522.9	1569.1	1629.8
67.5°	331.3	338.5	427.6	605.2	993.8	1572.7	1905.8	1815.2	1679.9	1688.4	1747.3
70°	205.0	213.8	243.7	338.2	636.3	1467.0	2275.2	2232.9	1970.2	1846.6	1794.7
72.5°	155.8	160.7	184.8	239.8	382.9	1061.2	2397.8	2584.4	2301.1	1885.6	1691.4
75°	93.0	98.7	131.7	207.2	319.2	549.3	2078.9	2466.0	2406.2	1860.8	1476.1
77.5°	58.0	59.5	71.0	144.7	294.1	345.8	1424.2	1910.1	1961.1	1576.1	1043.1
80°	44.4	44.7	48.9	77.0	237.7	327.4	824.7	1275.6	1250.2	841.6	409.8
82.5°	28.1	29.9	38.1	47.1	112.9	319.2	487.4	726.3	639.3	227.7	114.2
85°	14.2	16.0	26.9	32.3	54.7	345.8	345.8	372.3	261.8	76.4	43.2
87.5°	2.4	2.4	3.6	8.5	10.9	58.6	96.6	84.3	55.6	10.3	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P414306

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3

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°	1.5	1.5	1.5	1.2	0.9	0.6	0.3	0.3	0.3	0.6	0.6
5°	1.5	1.5	1.5	1.2	0.9	0.6	0.3	0.3	0.6	0.9	0.9
7.5°	1.5	1.5	1.5	1.2	0.9	0.9	0.6	1.2	2.7	35.3	23.9
10°	1.8	1.8	1.8	1.5	1.2	3.3	103.3	109.0	109.3	108.7	107.5
12.5°	9.7	10.6	7.9	2.7	11.2	103.6	99.4	94.5	92.7	90.6	90.6
15°	190.9	188.4	177.9	131.1	80.3	92.4	83.0	76.7	119.0	117.5	118.7
17.5°	191.5	187.2	172.1	187.5	173.9	83.0	94.2	102.4	96.6	94.5	95.4
20°	363.3	343.7	174.5	174.8	149.2	147.4	80.0	75.5	76.4	78.2	78.8
22.5°	369.9	347.3	267.9	226.5	128.0	118.1	81.8	65.5	96.9	107.8	109.0
25°	373.0	344.6	253.1	200.5	144.7	88.5	79.1	71.9	88.5	99.4	100.0
27.5°	527.3	477.7	345.8	170.3	111.7	77.6	74.0	67.6	79.4	98.4	98.7
30°	522.7	464.5	320.4	164.9	86.4	71.6	64.0	70.7	74.9	80.0	80.0
32.5°	679.8	596.1	355.4	132.9	72.5	59.5	60.4	64.3	64.6	76.4	77.3
35°	680.1	583.1	306.2	121.4	62.2	54.4	55.3	59.5	65.8	73.4	74.6
37.5°	690.6	577.4	263.9	94.5	62.2	54.4	52.5	56.8	61.3	71.9	73.1
40°	713.0	579.8	223.8	78.5	60.1	53.5	51.9	55.3	60.7	66.7	67.3
42.5°	751.0	593.4	185.7	71.0	58.6	53.5	49.8	52.2	55.3	67.6	68.9
45°	811.4	622.4	156.4	67.9	58.0	51.3	47.4	48.0	50.1	80.0	83.3
47.5°	882.1	662.6	131.1	66.4	57.1	49.2	43.8	44.4	49.2	90.9	95.4
50°	963.6	722.0	116.0	66.1	56.2	46.2	41.1	44.4	54.4	90.6	92.7
52.5°	1059.4	782.4	107.8	67.3	55.6	43.5	42.6	49.8	51.6	72.8	72.8
55°	1145.4	849.5	108.4	68.2	53.8	43.5	43.8	42.3	40.8	50.1	50.4
57.5°	1230.0	916.2	118.4	66.4	51.0	43.8	37.7	34.7	35.3	42.6	43.5
60°	1303.4	980.5	148.3	62.5	48.6	39.6	35.0	32.6	33.2	42.9	43.8
62.5°	1382.5	1059.1	205.4	64.0	48.3	37.4	32.6	29.9	31.1	35.6	36.2
65°	1489.4	1168.7	256.7	75.5	50.1	36.2	29.9	28.4	28.7	29.0	29.0
67.5°	1594.2	1236.3	247.6	89.1	56.2	35.6	28.4	26.6	26.3	26.3	26.3
70°	1583.9	1162.9	196.3	94.5	61.0	35.6	27.2	24.8	24.2	24.2	24.2
72.5°	1435.6	994.7	150.7	87.6	56.2	34.1	25.4	22.6	21.7	21.7	21.7
75°	1221.5	797.8	126.5	76.1	45.9	29.3	22.3	20.2	19.6	19.6	19.3
77.5°	780.3	471.7	107.5	61.9	35.3	23.9	19.3	17.5	17.5	17.5	16.6
80°	313.2	207.5	83.7	48.9	27.5	19.0	16.0	15.1	14.8	14.5	13.6
82.5°	119.0	102.4	54.4	35.6	21.1	14.5	13.0	12.1	12.1	11.8	10.3
85°	42.6	39.9	25.1	20.5	13.0	9.1	10.0	9.1	8.8	7.9	6.6
87.5°	9.1	10.0	6.9	4.5	4.5	2.7	3.3	3.6	3.6	3.3	1.8
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)