

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: P414835

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2833 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 31
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

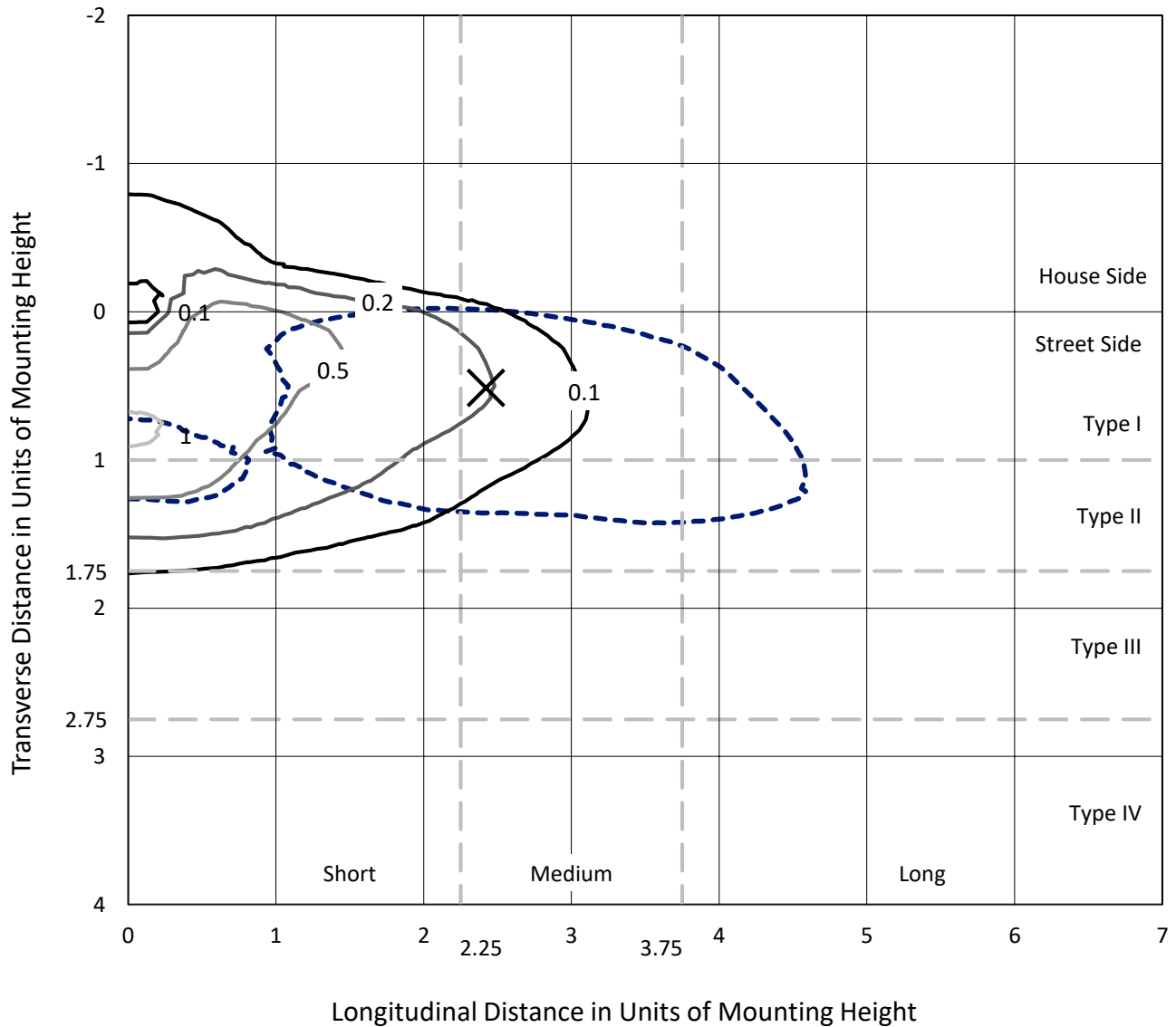


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

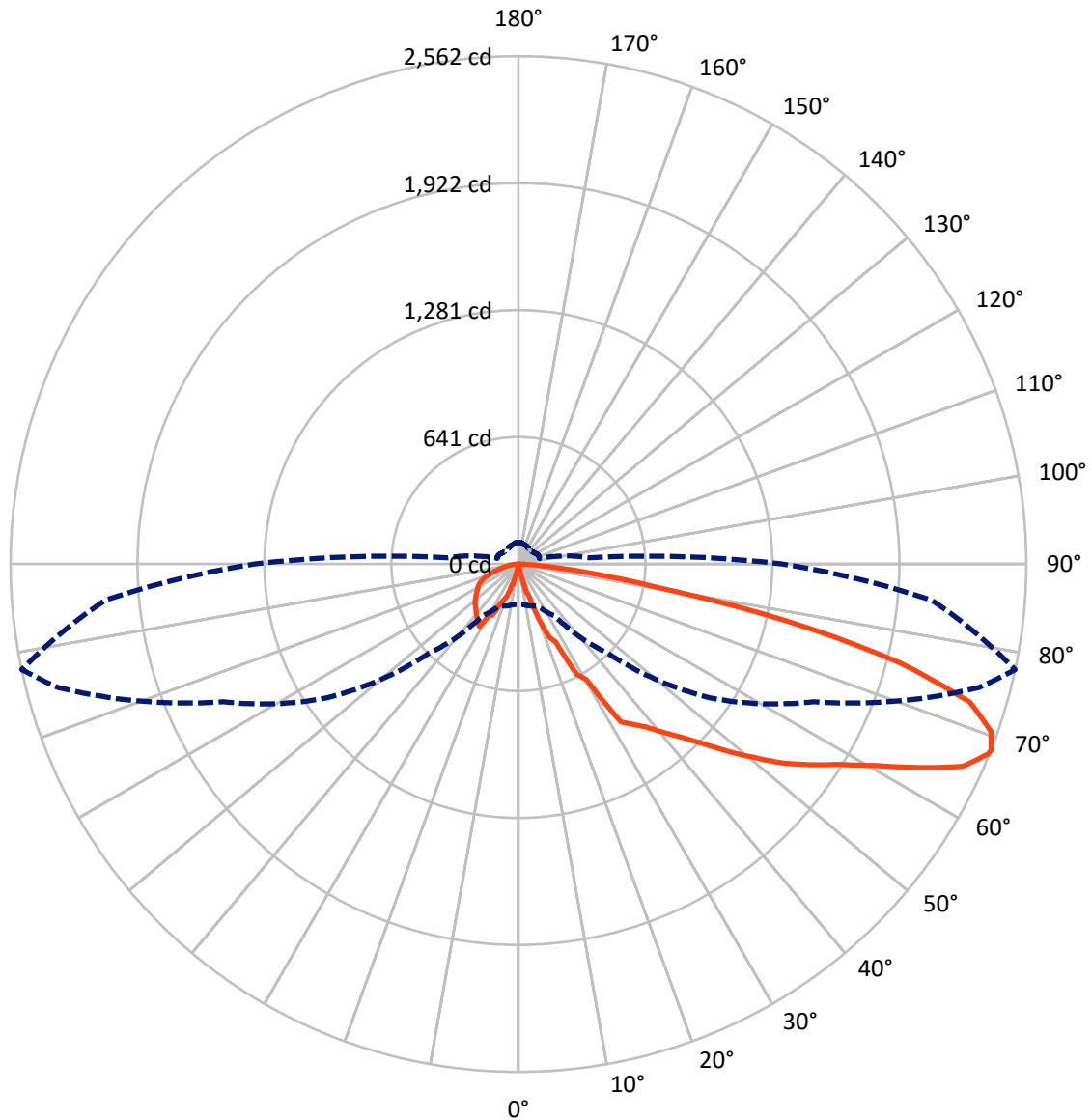


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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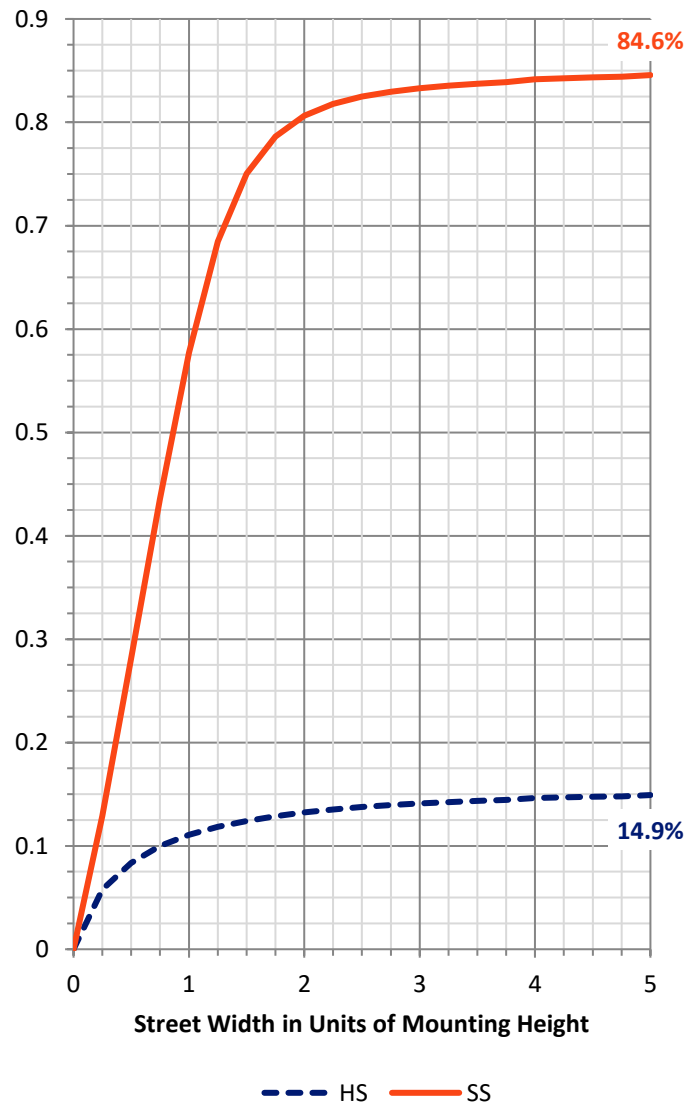
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	430.1	0.0	430.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2402.9	0.0	2402.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	2833.0	0.0	2833.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	41.1	1.4
20°-30°	156.3	5.5
30°-40°	365.0	12.9
40°-50°	569.8	20.1
50°-60°	654.1	23.1
60°-70°	607.8	21.5
70°-80°	375.6	13.3
80°-90°	60.5	2.1
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°	2833.0	100.0
0°-180°	2833.0	100.0



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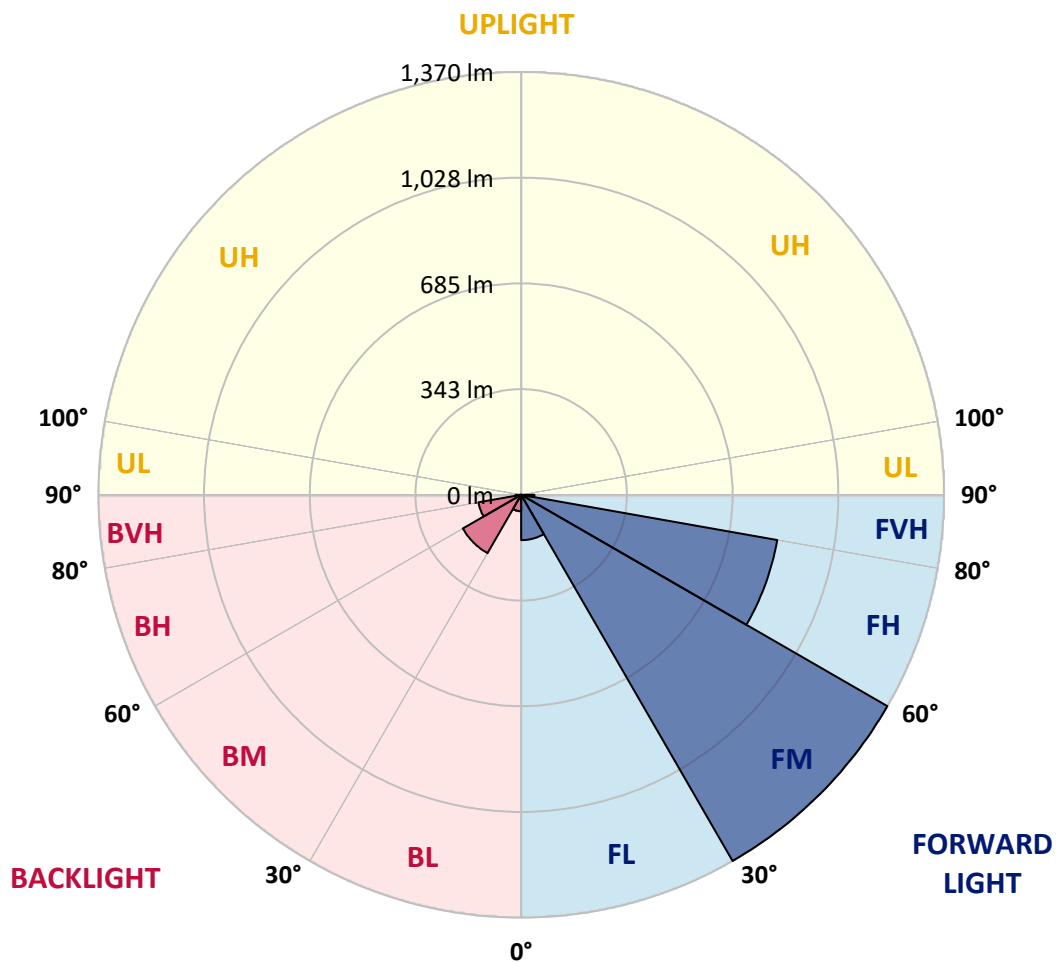
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.9	5.2			
FM (30°-60°)	1370.4	48.4			
FH (60°-80°)	842.8	29.7			G1/1800
FVH (80°-90°)	42.8	1.5			G1/100
BL (0°-30°)	53.3	1.9	B0/110		
BM (30°-60°)	218.5	7.7	B0/220		
BH (60°-80°)	140.6	5.0	B1/500		G1/500
BVH (80°-90°)	17.7	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.2	2.2	2.5	2.8	3.4	3.1	2.2	1.6	1.2	1.2	1.2
5°	100.4	92.3	51.6	26.7	9.3	5.6	2.8	2.2	1.6	1.6	1.2
7.5°	113.4	112.8	111.9	111.0	109.4	103.5	10.9	3.1	1.9	1.9	1.2
10°	122.5	121.5	120.9	120.3	118.1	115.0	109.7	9.6	3.4	3.1	2.8
12.5°	237.8	237.2	236.2	151.1	128.1	124.6	120.0	85.8	9.9	14.9	45.1
15°	237.2	236.2	239.0	244.0	248.0	136.4	137.7	240.9	149.2	143.3	152.6
17.5°	247.4	246.2	243.1	246.5	253.9	285.3	269.8	260.8	175.6	167.5	162.9
20°	362.7	362.7	366.4	363.3	263.6	364.6	345.3	280.0	317.3	298.4	277.6
22.5°	383.9	382.3	382.9	389.1	457.5	377.9	381.1	432.0	441.0	402.8	345.3
25°	545.8	545.5	524.0	411.2	482.4	455.7	526.5	462.2	478.3	433.3	423.6
27.5°	614.2	614.8	597.4	581.8	509.7	590.9	558.8	608.6	679.4	631.3	542.7
30°	826.5	818.4	681.6	666.4	623.8	622.9	676.6	718.6	698.7	676.0	606.1
32.5°	982.2	974.1	943.9	838.6	741.6	693.7	777.3	751.9	911.6	948.9	821.8
35°	1223.0	1220.3	1060.2	951.4	870.9	838.9	816.8	916.0	986.8	992.4	875.2
37.5°	1408.0	1399.0	1305.1	1113.3	980.3	906.3	958.9	960.4	1069.2	1042.8	958.9
40°	1492.5	1486.9	1414.8	1234.9	1081.0	997.4	1018.5	1027.5	1159.3	1113.6	1019.8
42.5°	1556.9	1550.0	1504.3	1307.9	1169.6	1089.7	1080.1	1088.2	1246.7	1191.0	1085.0
45°	1590.1	1586.1	1564.6	1359.8	1231.4	1148.5	1146.0	1141.6	1306.0	1286.5	1155.9
47.5°	1571.5	1567.1	1576.8	1430.4	1270.0	1196.6	1207.2	1199.4	1374.1	1406.1	1233.0
50°	1468.0	1472.0	1510.6	1433.2	1294.5	1235.8	1271.8	1252.6	1466.7	1532.3	1326.5
52.5°	1168.3	1184.8	1348.0	1371.0	1297.0	1254.1	1330.0	1333.7	1581.7	1667.2	1449.6
55°	871.8	895.1	1039.7	1219.3	1247.3	1254.8	1367.3	1408.0	1696.4	1787.2	1553.1
57.5°	686.3	700.6	792.6	972.8	1127.3	1232.7	1405.5	1468.3	1803.0	1907.1	1654.8
60°	548.6	539.9	599.9	736.6	939.6	1170.8	1422.3	1546.9	1935.7	2061.9	1774.4
62.5°	396.6	397.2	442.9	520.9	743.8	1048.7	1409.2	1623.1	2104.8	2262.1	1933.9
65°	281.3	284.1	315.2	357.1	537.7	880.8	1344.6	1675.0	2295.7	2462.3	2063.5
67.5°	214.2	216.0	230.6	250.2	347.5	670.1	1211.9	1664.4	2400.4	2557.1	2101.1
68°	205.4	202.3	218.8	233.1	319.8	635.3	1175.5	1643.3	2405.4	2562.3	2092.1
70°	173.1	173.1	180.6	184.0	226.6	469.6	997.4	1515.5	2387.7	2529.7	2023.7
72.5°	144.5	143.6	147.9	145.1	160.1	307.4	724.5	1307.0	2261.2	2380.8	1820.1
75°	120.3	120.3	120.9	118.7	122.8	206.1	470.9	1023.8	1997.6	1988.0	1481.3
77.5°	102.6	100.1	99.5	96.4	99.8	149.8	288.7	728.5	1442.2	1390.3	940.5
80°	81.4	81.1	81.7	79.9	82.7	109.1	175.9	425.8	785.4	691.2	438.6
82.5°	50.4	55.3	60.9	60.9	69.6	77.1	106.6	227.8	380.7	334.7	186.2
85°	16.5	20.2	35.7	37.0	44.8	36.1	61.2	73.4	127.1	113.4	35.7
87.5°	0.6	0.9	2.8	4.4	4.0	2.5	4.4	3.4	7.1	5.3	5.6
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.2	1.2	1.2	1.6	1.6	0.9	0.6	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.6	1.6	1.6	1.2	1.6	2.2	2.5	2.5	2.5
7.5°	1.2	1.2	1.2	1.9	1.9	2.2	3.1	18.6	42.9	46.9	46.3
10°	2.5	2.2	2.5	2.8	3.4	39.8	52.2	55.0	56.3	57.2	56.9
12.5°	59.7	53.5	9.9	5.6	37.6	55.9	56.9	59.1	61.2	62.2	62.2
15°	139.9	125.3	95.7	72.1	64.3	59.7	60.6	79.6	108.2	111.0	111.3
17.5°	148.6	130.2	100.1	110.3	113.8	88.6	97.3	109.4	110.6	111.0	111.0
20°	280.0	234.7	142.4	116.2	115.9	148.3	103.8	106.9	108.8	123.7	125.6
22.5°	303.0	251.4	170.9	165.0	124.9	148.3	135.8	132.1	144.5	143.3	144.2
25°	381.1	301.8	180.0	165.7	175.0	143.6	159.4	131.5	133.6	133.0	133.0
27.5°	484.6	380.7	251.4	185.6	170.0	166.0	147.6	126.5	151.7	152.3	152.3
30°	513.2	391.6	251.4	200.5	176.9	163.2	136.4	149.5	141.1	138.6	137.4
32.5°	711.1	531.2	304.3	193.0	174.4	149.8	149.5	138.9	138.6	144.2	144.2
35°	747.2	539.3	277.9	220.7	164.4	154.5	142.0	140.5	134.3	132.1	131.8
37.5°	782.9	544.2	257.7	202.7	168.8	147.3	139.9	129.0	135.8	135.8	135.2
40°	821.2	549.5	239.3	186.2	155.1	147.3	129.6	128.7	119.4	120.0	119.4
42.5°	862.2	551.7	219.7	172.5	142.4	138.3	125.3	115.6	115.3	117.5	116.9
45°	909.1	554.5	201.7	155.1	129.6	121.8	111.9	112.5	118.4	123.4	123.4
47.5°	959.2	557.0	186.8	139.6	120.6	110.6	103.2	105.7	116.2	121.2	122.8
50°	1026.9	560.1	169.7	126.8	114.4	102.3	101.0	103.2	114.7	118.4	116.9
52.5°	1099.0	554.5	152.9	118.7	107.9	92.9	95.1	100.7	113.1	115.0	113.8
55°	1158.1	540.5	139.9	113.4	103.2	88.9	92.0	98.8	110.6	111.6	111.9
57.5°	1226.8	522.2	129.6	109.4	100.4	87.0	90.8	98.5	105.7	110.0	110.0
60°	1294.2	500.7	123.4	107.2	98.2	87.0	90.8	98.2	104.7	109.4	109.1
62.5°	1373.2	476.5	119.7	108.5	95.4	88.0	91.4	99.1	104.4	109.7	109.1
65°	1400.8	430.2	116.9	110.3	95.1	89.2	91.7	100.4	104.1	110.3	109.7
67.5°	1346.1	368.9	112.2	110.3	97.9	90.8	91.4	99.8	103.2	110.6	107.9
68°	1327.8	359.9	110.6	110.0	98.2	91.1	91.4	99.5	102.6	110.3	107.2
70°	1225.8	302.7	102.9	106.9	99.5	92.3	89.8	97.3	99.5	109.7	106.0
72.5°	1060.8	235.9	89.8	99.5	98.2	94.2	87.0	92.9	94.2	102.6	96.4
75°	848.2	179.3	74.3	86.4	92.3	94.2	83.0	87.0	86.7	90.8	85.2
77.5°	533.4	128.1	60.0	73.4	83.9	91.7	79.3	79.3	75.5	76.1	73.7
80°	258.6	87.6	48.5	60.6	70.2	86.7	72.7	66.8	62.2	60.9	57.8
82.5°	127.1	56.6	33.6	45.7	55.6	71.8	65.3	55.0	46.9	46.3	41.3
85°	29.5	23.3	18.3	24.2	35.1	46.9	46.9	34.5	29.2	37.9	28.0
87.5°	2.8	3.4	3.7	3.4	4.4	4.0	9.9	9.9	9.0	5.9	4.0
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)