

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: P414471

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414471
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-PA1-20-830-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2183 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): 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

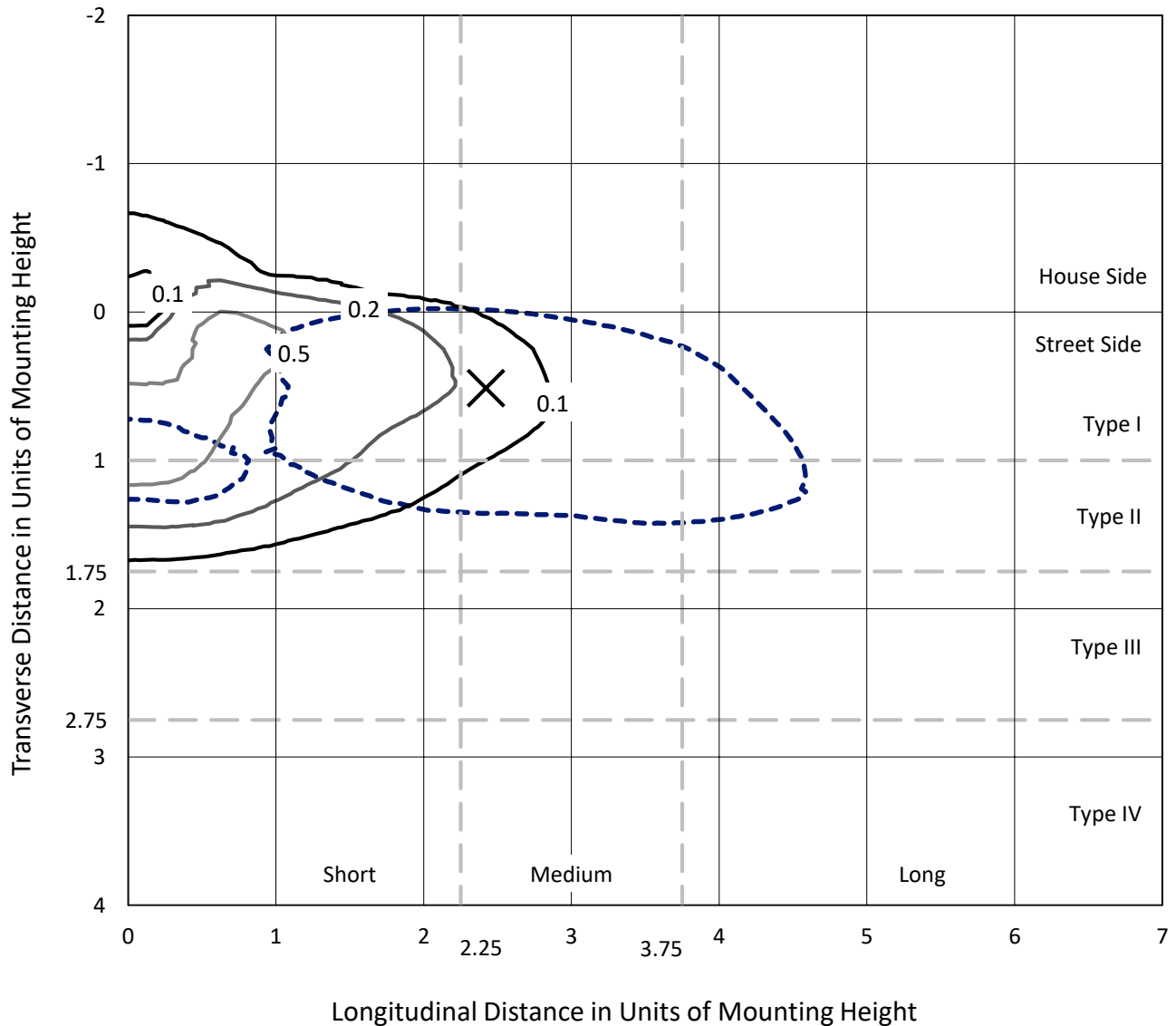


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Iso-Footcandle Lines of Horizontal Illumination

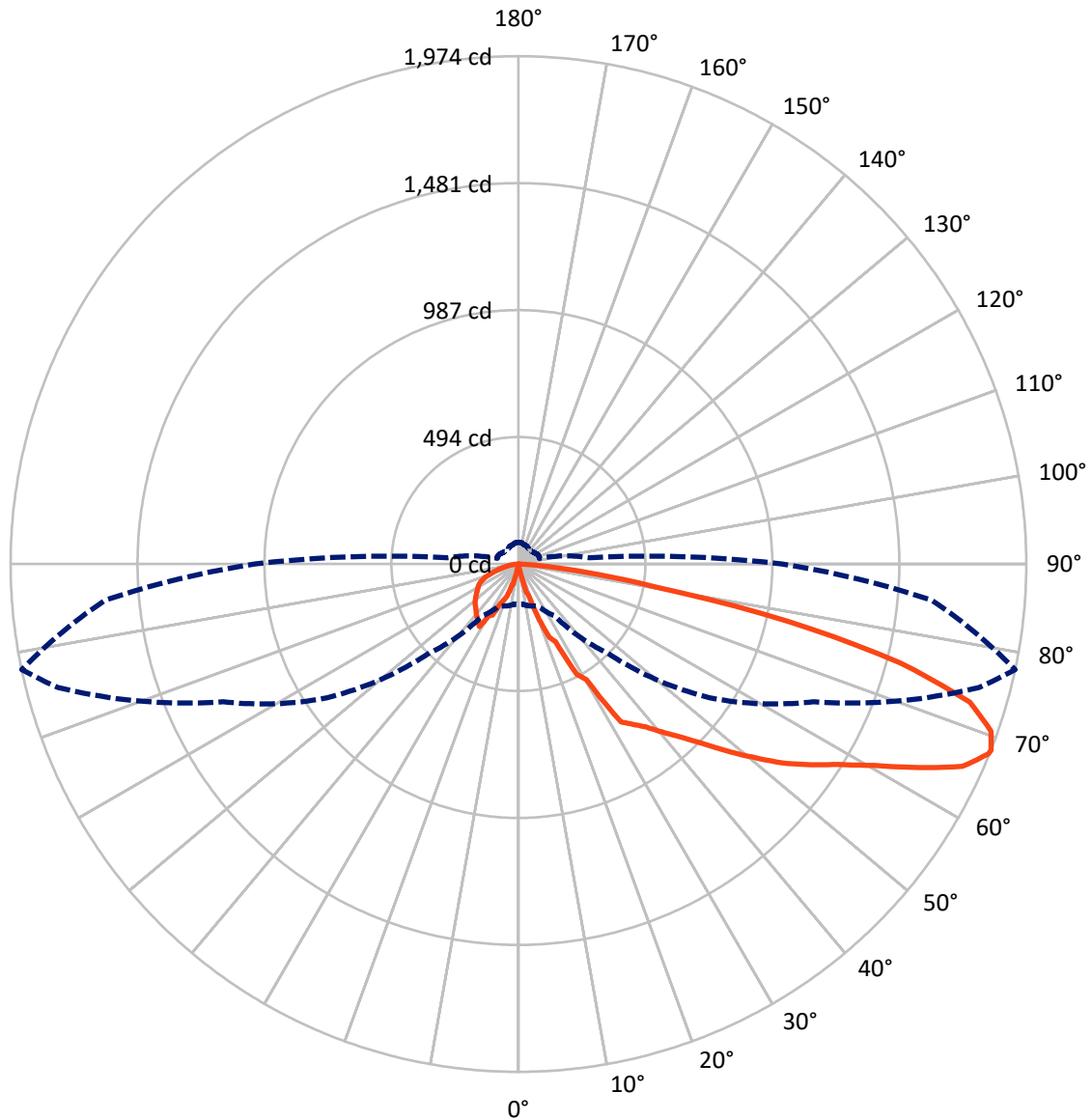
× Max cd
 - - - 1/2 Max cd



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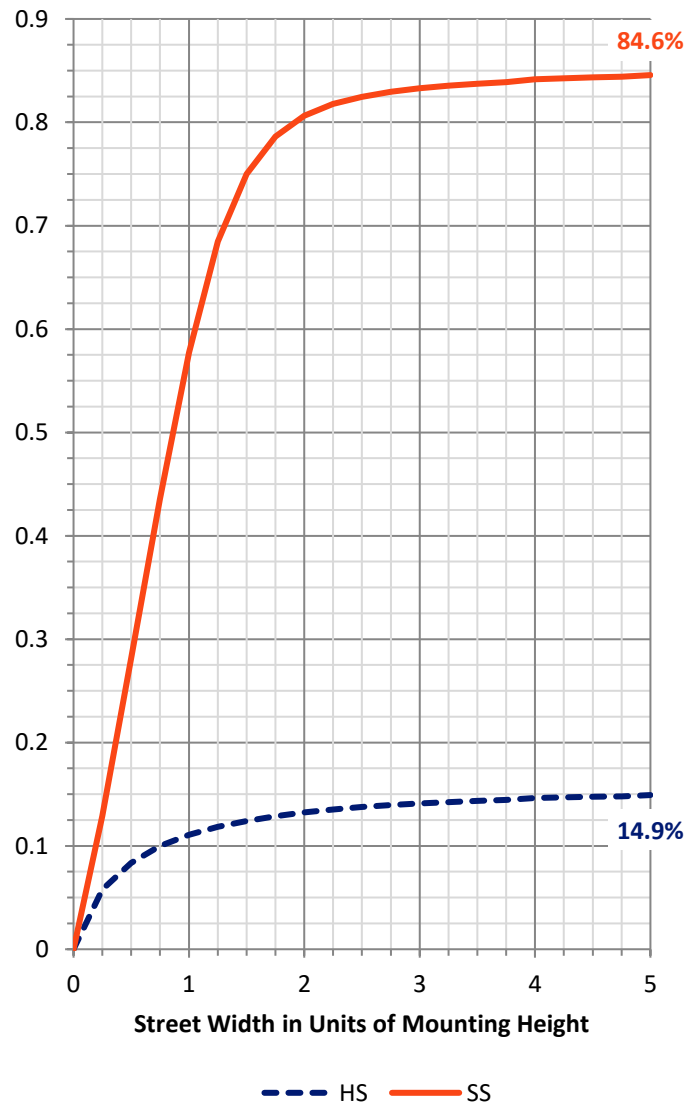
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.4	0.0	331.4
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1851.6	0.0	1851.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	2183.0	0.0	2183.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	31.6	1.4
20°-30°	120.5	5.5
30°-40°	281.3	12.9
40°-50°	439.1	20.1
50°-60°	504.0	23.1
60°-70°	468.4	21.5
70°-80°	289.4	13.3
80°-90°	46.6	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°	2183.0	100.0
0°-180°	2183.0	100.0



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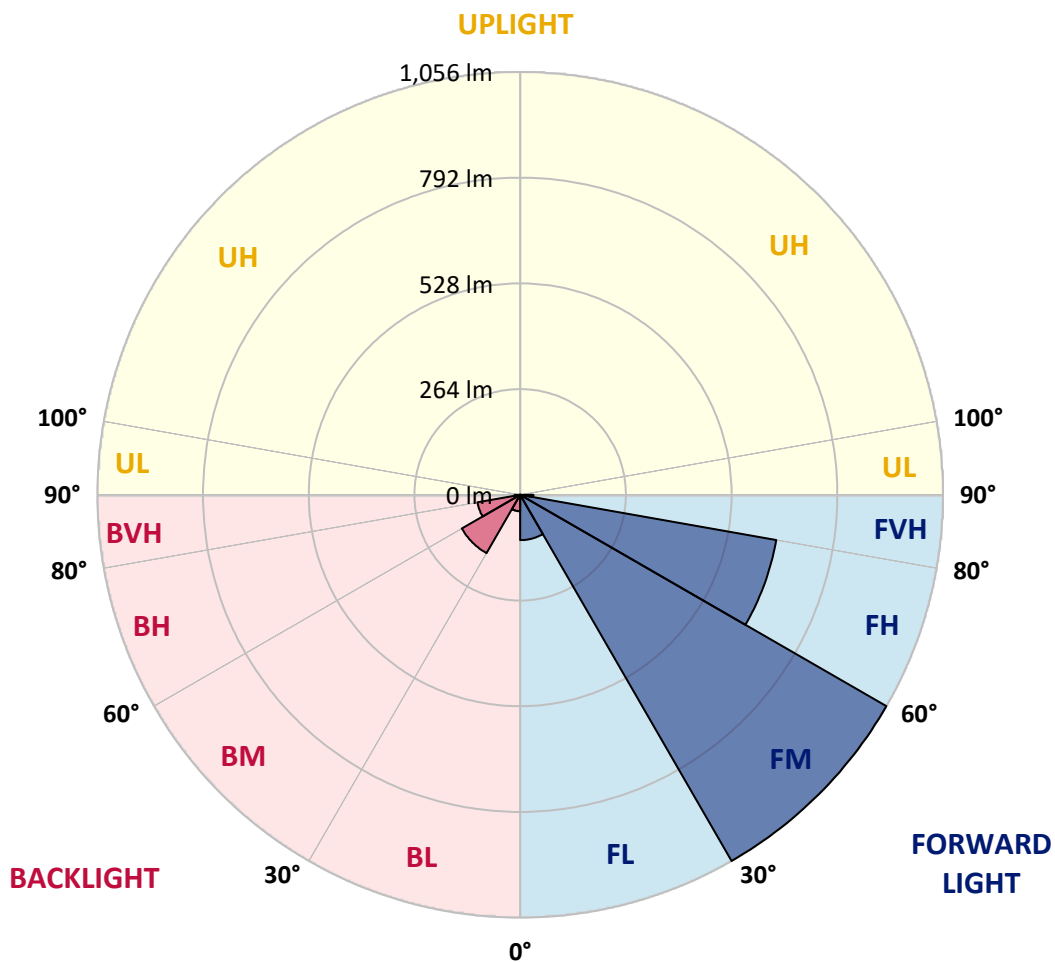
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.2	5.2			
FM	(30°-60°)	1056.0	48.4			
FH	(60°-80°)	649.4	29.7			G0/660
FVH	(80°-90°)	33.0	1.5			G1/100
BL	(0°-30°)	41.1	1.9	B0/110		
BM	(30°-60°)	168.4	7.7	B0/220		
BH	(60°-80°)	108.3	5.0	B0/110		G0/110
BVH	(80°-90°)	13.6	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	1.7	1.7	1.9	2.2	2.6	2.4	1.7	1.2	1.0	1.0	1.0
5°	77.4	71.1	39.8	20.6	7.2	4.3	2.2	1.7	1.2	1.2	1.0
7.5°	87.4	86.9	86.2	85.5	84.3	79.8	8.4	2.4	1.4	1.4	1.0
10°	94.4	93.6	93.2	92.7	91.0	88.6	84.5	7.4	2.6	2.4	2.2
12.5°	183.2	182.7	182.0	116.4	98.7	96.0	92.4	66.1	7.7	11.5	34.7
15°	182.7	182.0	184.2	188.0	191.1	105.1	106.1	185.6	115.0	110.4	117.6
17.5°	190.6	189.7	187.3	189.9	195.7	219.9	207.9	200.9	135.3	129.1	125.5
20°	279.5	279.5	282.4	280.0	203.1	280.9	266.1	215.8	244.5	229.9	213.9
22.5°	295.8	294.6	295.1	299.9	352.5	291.2	293.6	332.9	339.9	310.4	266.1
25°	420.6	420.3	403.8	316.9	371.7	351.1	405.7	356.1	368.6	333.9	326.4
27.5°	473.3	473.7	460.3	448.3	392.8	455.3	430.6	468.9	523.5	486.4	418.2
30°	636.8	630.6	525.2	513.5	480.7	480.0	521.4	553.7	538.4	520.9	467.0
32.5°	756.8	750.6	727.4	646.2	571.4	534.6	599.0	579.4	702.5	731.2	633.2
35°	942.4	940.3	816.9	733.1	671.1	646.4	629.4	705.8	760.4	764.7	674.4
37.5°	1084.9	1078.0	1005.7	857.9	755.4	698.4	738.9	740.1	823.9	803.5	738.9
40°	1150.1	1145.8	1090.2	951.5	833.0	768.6	784.8	791.8	893.3	858.1	785.8
42.5°	1199.7	1194.4	1159.2	1007.8	901.2	839.7	832.3	838.5	960.6	917.8	836.1
45°	1225.3	1222.2	1205.6	1047.8	948.9	885.0	883.0	879.7	1006.4	991.3	890.7
47.5°	1210.9	1207.6	1215.0	1102.2	978.6	922.1	930.2	924.2	1058.8	1083.5	950.1
50°	1131.2	1134.3	1164.0	1104.3	997.5	952.3	980.0	965.2	1130.2	1180.7	1022.2
52.5°	900.3	913.0	1038.7	1056.4	999.4	966.4	1024.8	1027.7	1218.8	1284.7	1117.0
55°	671.8	689.8	801.1	939.6	961.1	966.9	1053.6	1084.9	1307.2	1377.1	1196.8
57.5°	528.8	539.8	610.7	749.6	868.7	949.9	1083.0	1131.4	1389.3	1469.6	1275.1
60°	422.7	416.0	462.2	567.6	724.0	902.2	1096.0	1192.0	1491.6	1588.8	1367.3
62.5°	305.6	306.1	341.3	401.4	573.1	808.1	1085.9	1250.7	1621.9	1743.1	1490.2
65°	216.7	218.9	242.9	275.2	414.3	678.7	1036.1	1290.7	1768.9	1897.3	1590.0
67.5°	165.0	166.5	177.7	192.8	267.8	516.4	933.8	1282.5	1849.7	1970.4	1619.0
68°	158.3	155.9	168.6	179.6	246.4	489.5	905.8	1266.2	1853.5	1974.4	1612.1
70°	133.4	133.4	139.1	141.8	174.6	361.9	768.6	1167.8	1839.8	1949.3	1559.4
72.5°	111.4	110.6	114.0	111.8	123.3	236.9	558.3	1007.1	1742.4	1834.6	1402.5
75°	92.7	92.7	93.2	91.5	94.6	158.8	362.8	788.9	1539.3	1531.8	1141.5
77.5°	79.0	77.1	76.6	74.2	76.9	115.4	222.5	561.4	1111.3	1071.3	724.7
80°	62.7	62.5	63.0	61.6	63.7	84.1	135.6	328.1	605.2	532.6	337.9
82.5°	38.8	42.6	46.9	46.9	53.6	59.4	82.1	175.6	293.4	257.9	143.5
85°	12.7	15.6	27.5	28.5	34.5	27.8	47.2	56.5	98.0	87.4	27.5
87.5°	0.5	0.7	2.2	3.4	3.1	1.9	3.4	2.6	5.5	4.1	4.3
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.0	1.0	1.0	1.2	1.2	0.7	0.5	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.2	1.2	1.2	1.0	1.2	1.7	1.9	1.9	1.9
7.5°	1.0	1.0	1.0	1.4	1.4	1.7	2.4	14.4	33.1	36.2	35.7
10°	1.9	1.7	1.9	2.2	2.6	30.7	40.2	42.4	43.3	44.1	43.8
12.5°	46.0	41.2	7.7	4.3	29.0	43.1	43.8	45.5	47.2	47.9	47.9
15°	107.8	96.5	73.8	55.6	49.6	46.0	46.7	61.3	83.3	85.5	85.7
17.5°	114.5	100.4	77.1	85.0	87.7	68.3	75.0	84.3	85.3	85.5	85.5
20°	215.8	180.8	109.7	89.6	89.3	114.2	80.0	82.4	83.8	95.3	96.8
22.5°	233.5	193.8	131.7	127.2	96.3	114.2	104.7	101.8	111.4	110.4	111.1
25°	293.6	232.6	138.7	127.7	134.8	110.6	122.9	101.3	103.0	102.5	102.5
27.5°	373.4	293.4	193.8	143.0	131.0	127.9	113.8	97.5	116.9	117.4	117.4
30°	395.4	301.8	193.8	154.5	136.3	125.7	105.1	115.2	108.7	106.8	105.9
32.5°	548.0	409.3	234.5	148.7	134.4	115.4	115.2	107.1	106.8	111.1	111.1
35°	575.8	415.5	214.1	170.0	126.7	119.0	109.5	108.3	103.5	101.8	101.5
37.5°	603.3	419.4	198.5	156.2	130.0	113.5	107.8	99.4	104.7	104.7	104.2
40°	632.8	423.4	184.4	143.5	119.5	113.5	99.9	99.2	92.0	92.4	92.0
42.5°	664.4	425.1	169.3	132.9	109.7	106.6	96.5	89.1	88.9	90.5	90.1
45°	700.5	427.3	155.4	119.5	99.9	93.9	86.2	86.7	91.2	95.1	95.1
47.5°	739.1	429.2	143.9	107.5	92.9	85.3	79.5	81.4	89.6	93.4	94.6
50°	791.3	431.6	130.8	97.7	88.1	78.8	77.8	79.5	88.4	91.2	90.1
52.5°	846.9	427.3	117.8	91.5	83.1	71.6	73.3	77.6	87.2	88.6	87.7
55°	892.4	416.5	107.8	87.4	79.5	68.5	70.9	76.2	85.3	86.0	86.2
57.5°	945.3	402.4	99.9	84.3	77.4	67.1	69.9	75.9	81.4	84.8	84.8
60°	997.3	385.8	95.1	82.6	75.7	67.1	69.9	75.7	80.7	84.3	84.1
62.5°	1058.1	367.2	92.2	83.6	73.5	67.8	70.4	76.4	80.5	84.5	84.1
65°	1079.4	331.5	90.1	85.0	73.3	68.7	70.7	77.4	80.2	85.0	84.5
67.5°	1037.3	284.3	86.5	85.0	75.4	69.9	70.4	76.9	79.5	85.3	83.1
68°	1023.1	277.3	85.3	84.8	75.7	70.2	70.4	76.6	79.0	85.0	82.6
70°	944.6	233.3	79.3	82.4	76.6	71.1	69.2	75.0	76.6	84.5	81.7
72.5°	817.4	181.8	69.2	76.6	75.7	72.6	67.1	71.6	72.6	79.0	74.2
75°	653.6	138.2	57.2	66.6	71.1	72.6	63.9	67.1	66.8	69.9	65.6
77.5°	411.0	98.7	46.2	56.5	64.7	70.7	61.1	61.1	58.2	58.7	56.8
80°	199.3	67.5	37.4	46.7	54.1	66.8	56.0	51.5	47.9	46.9	44.5
82.5°	98.0	43.6	25.9	35.2	42.9	55.3	50.3	42.4	36.2	35.7	31.9
85°	22.8	18.0	14.1	18.7	27.1	36.2	36.2	26.6	22.5	29.2	21.6
87.5°	2.2	2.6	2.9	2.6	3.4	3.1	7.7	7.7	6.9	4.6	3.1
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)