

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: P414159

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414159
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-PA1-20-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2297 lumens
Efficiency: N/A
Efficacy: 109.4 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): 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

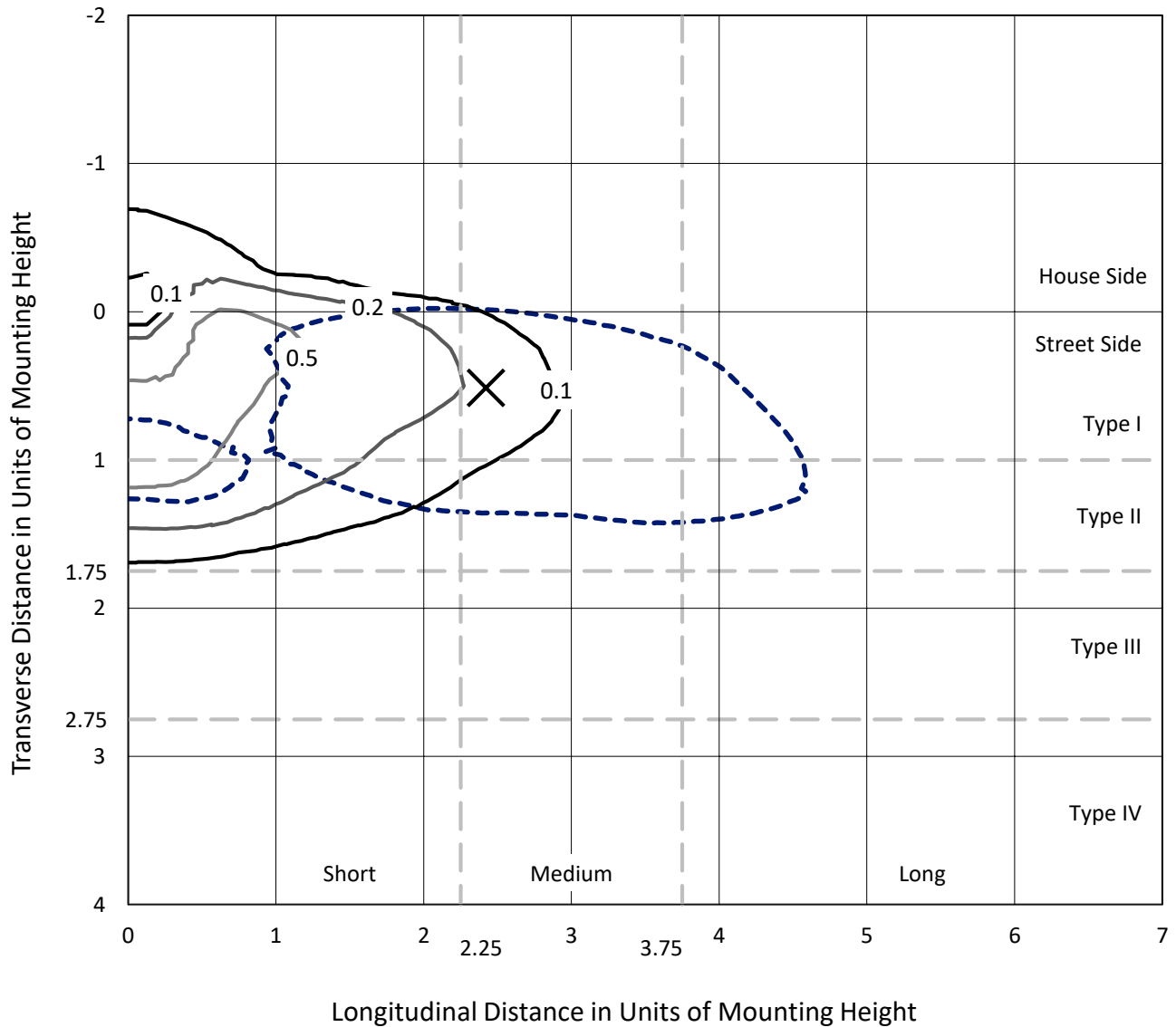


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Iso-Footcandle Lines of Horizontal Illumination

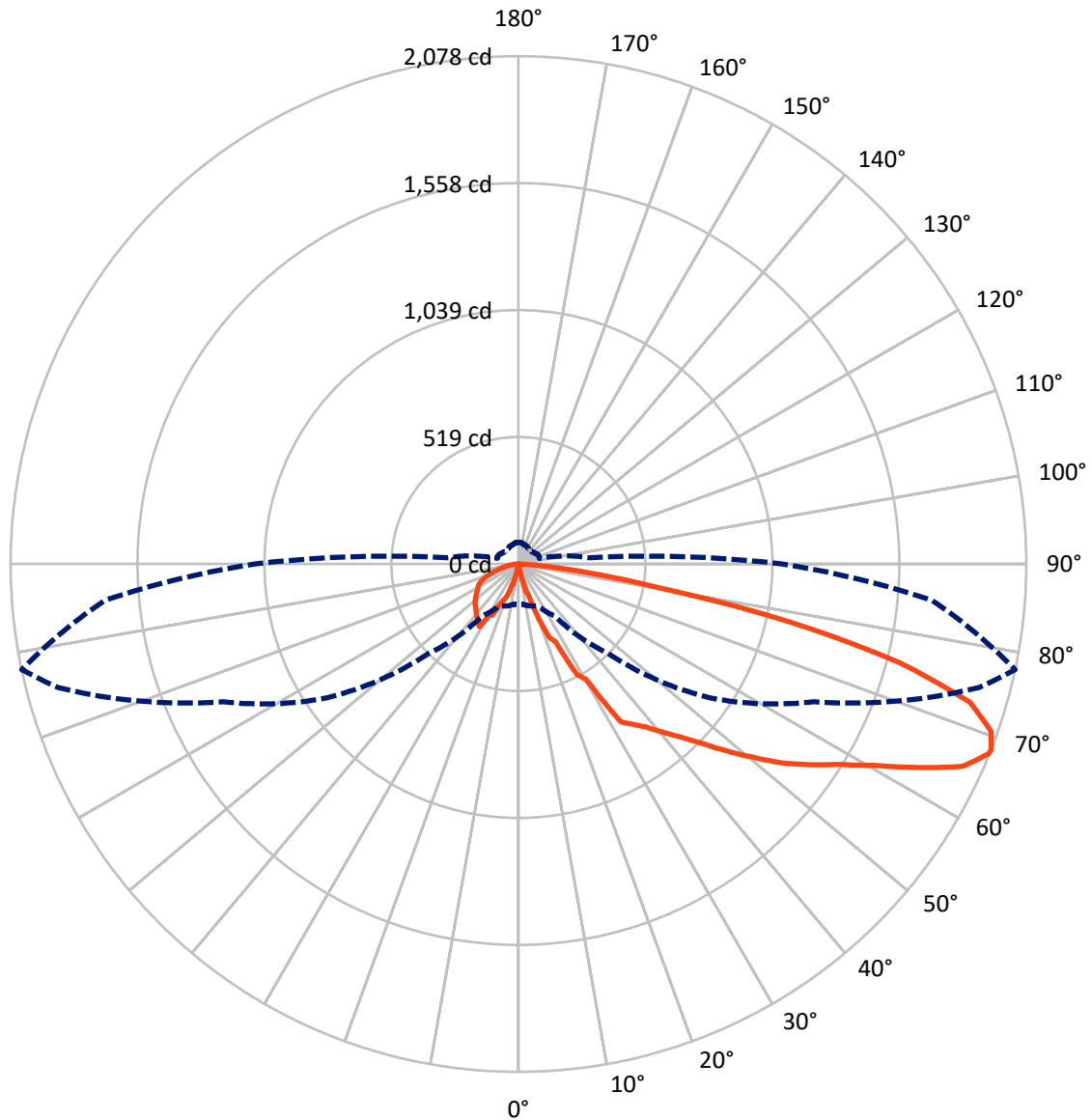
× Max cd
 - - - 1/2 Max cd



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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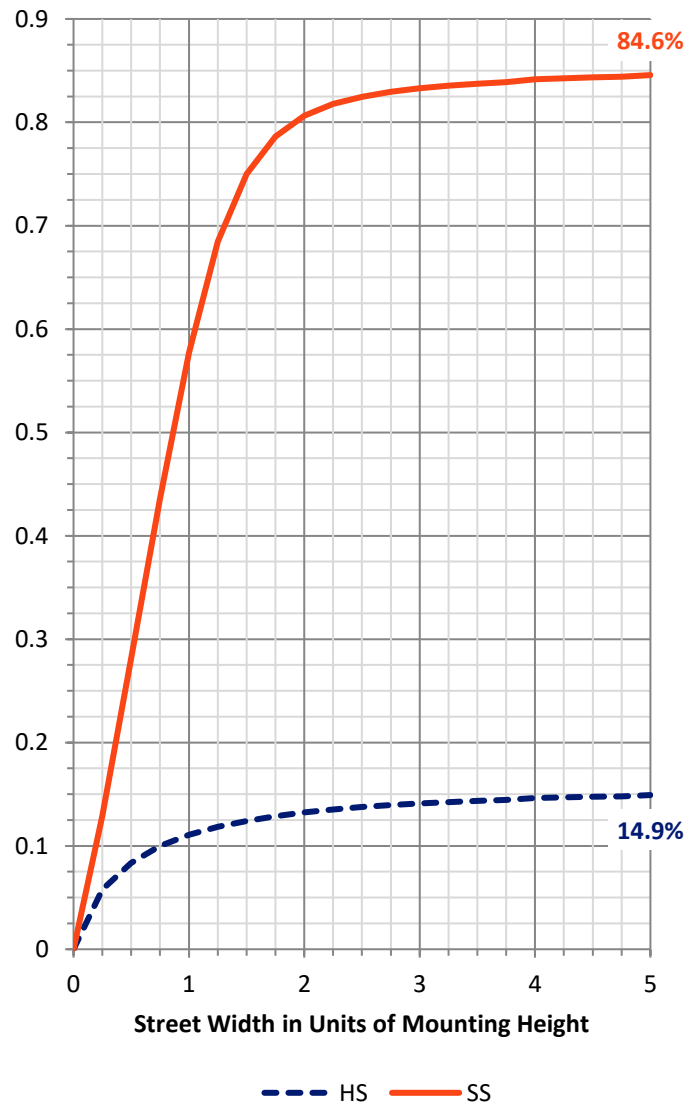
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	348.7	0.0	348.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1948.3	0.0	1948.3
	% Fixture	84.8	0.0	84.8
Total	Lumens	2297.0	0.0	2297.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	33.3	1.4
20°-30°	126.8	5.5
30°-40°	295.9	12.9
40°-50°	462.0	20.1
50°-60°	530.4	23.1
60°-70°	492.8	21.5
70°-80°	304.5	13.3
80°-90°	49.0	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°	2297.0	100.0
0°-180°	2297.0	100.0



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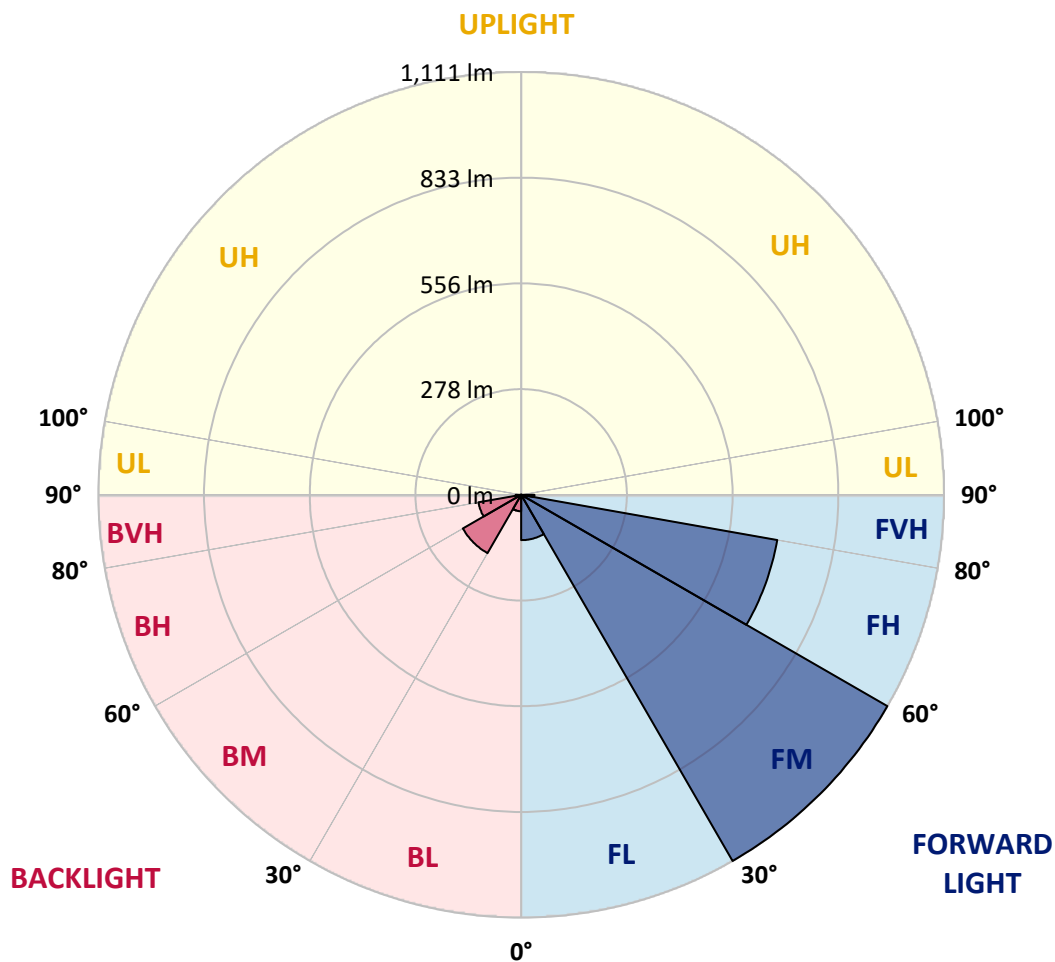
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.1	5.2			
FM (30°-60°)	1111.1	48.4			
FH (60°-80°)	683.3	29.7			G1/1800
FVH (80°-90°)	34.7	1.5			G1/100
BL (0°-30°)	43.2	1.9	B0/110		
BM (30°-60°)	177.2	7.7	B0/220		
BH (60°-80°)	114.0	5.0	B1/500		G1/500
BVH (80°-90°)	14.3	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.8	1.8	2.0	2.3	2.8	2.5	1.8	1.3	1.0	1.0	1.0
5°	81.4	74.8	41.8	21.7	7.6	4.5	2.3	1.8	1.3	1.3	1.0
7.5°	92.0	91.5	90.7	90.0	88.7	83.9	8.8	2.5	1.5	1.5	1.0
10°	99.3	98.5	98.0	97.5	95.8	93.2	89.0	7.8	2.8	2.5	2.3
12.5°	192.8	192.3	191.5	122.5	103.8	101.1	97.3	69.6	8.1	12.1	36.5
15°	192.3	191.5	193.8	197.8	201.1	110.6	111.6	195.3	121.0	116.2	123.7
17.5°	200.6	199.6	197.1	199.8	205.9	231.3	218.7	211.4	142.4	135.8	132.1
20°	294.1	294.1	297.1	294.6	213.7	295.6	280.0	227.1	257.3	241.9	225.0
22.5°	311.2	310.0	310.5	315.5	371.0	306.4	309.0	350.3	357.6	326.6	280.0
25°	442.5	442.3	424.9	333.4	391.1	369.4	426.9	374.7	387.8	351.3	343.5
27.5°	498.0	498.5	484.4	471.8	413.3	479.1	453.1	493.4	550.9	511.8	440.0
30°	670.1	663.5	552.7	540.3	505.8	505.0	548.6	582.6	566.5	548.1	491.4
32.5°	796.3	789.8	765.3	679.9	601.3	562.5	630.3	609.6	739.1	769.4	666.3
35°	991.6	989.4	859.6	771.4	706.1	680.2	662.3	742.7	800.1	804.7	709.7
37.5°	1141.6	1134.3	1058.2	902.7	794.8	734.9	777.4	778.7	866.9	845.5	777.4
40°	1210.1	1205.6	1147.1	1001.2	876.5	808.7	825.8	833.1	940.0	902.9	826.8
42.5°	1262.3	1256.8	1219.7	1060.4	948.3	883.5	875.7	882.3	1010.8	965.7	879.8
45°	1289.3	1286.0	1268.6	1102.5	998.5	931.2	929.2	925.6	1058.9	1043.1	937.2
47.5°	1274.1	1270.6	1278.4	1159.7	1029.7	970.2	978.8	972.5	1114.1	1140.1	999.7
50°	1190.2	1193.5	1224.8	1162.0	1049.6	1002.0	1031.2	1015.6	1189.2	1242.4	1075.6
52.5°	947.3	960.7	1093.0	1111.6	1051.6	1016.9	1078.3	1081.4	1282.5	1351.8	1175.4
55°	706.9	725.8	843.0	988.6	1011.3	1017.4	1108.6	1141.6	1375.5	1449.0	1259.3
57.5°	556.4	568.0	642.6	788.8	914.0	999.5	1139.6	1190.5	1461.9	1546.3	1341.7
60°	444.8	437.7	486.4	597.3	761.8	949.3	1153.2	1254.2	1569.5	1671.8	1438.7
62.5°	321.6	322.1	359.1	422.4	603.1	850.3	1142.6	1316.0	1706.6	1834.1	1568.0
65°	228.1	230.3	255.5	289.6	436.0	714.2	1090.2	1358.1	1861.3	1996.4	1673.1
67.5°	173.6	175.1	187.0	202.9	281.7	543.3	982.6	1349.5	1946.3	2073.3	1703.6
68°	166.6	164.1	177.4	189.0	259.3	515.1	953.1	1332.4	1950.3	2077.5	1696.3
70°	140.4	140.4	146.4	149.2	183.7	380.8	808.7	1228.8	1935.9	2051.1	1640.8
72.5°	117.2	116.4	120.0	117.7	129.8	249.2	587.4	1059.7	1833.4	1930.4	1475.8
75°	97.5	97.5	98.0	96.3	99.5	167.1	381.8	830.1	1619.7	1611.8	1201.1
77.5°	83.2	81.1	80.6	78.1	80.9	121.5	234.1	590.7	1169.3	1127.2	762.6
80°	66.0	65.8	66.3	64.8	67.0	88.5	142.6	345.3	636.8	560.5	355.6
82.5°	40.8	44.9	49.4	49.4	56.4	62.5	86.4	184.7	308.7	271.4	151.0
85°	13.4	16.4	29.0	30.0	36.3	29.2	49.6	59.5	103.1	92.0	29.0
87.5°	0.5	0.8	2.3	3.5	3.3	2.0	3.5	2.8	5.8	4.3	4.5
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.0	1.0	1.0	1.3	1.3	0.8	0.5	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.3	1.3	1.3	1.0	1.3	1.8	2.0	2.0	2.0
7.5°	1.0	1.0	1.0	1.5	1.5	1.8	2.5	15.1	34.8	38.1	37.5
10°	2.0	1.8	2.0	2.3	2.8	32.3	42.3	44.6	45.6	46.4	46.1
12.5°	48.4	43.3	8.1	4.5	30.5	45.4	46.1	47.9	49.6	50.4	50.4
15°	113.4	101.6	77.6	58.5	52.2	48.4	49.1	64.5	87.7	90.0	90.2
17.5°	120.5	105.6	81.1	89.5	92.2	71.8	78.9	88.7	89.7	90.0	90.0
20°	227.1	190.3	115.4	94.3	94.0	120.2	84.2	86.7	88.2	100.3	101.8
22.5°	245.7	203.9	138.6	133.8	101.3	120.2	110.1	107.1	117.2	116.2	116.9
25°	309.0	244.7	145.9	134.3	141.9	116.4	129.3	106.6	108.4	107.9	107.9
27.5°	392.9	308.7	203.9	150.4	137.8	134.6	119.7	102.6	123.0	123.5	123.5
30°	416.1	317.5	203.9	162.5	143.4	132.3	110.6	121.2	114.4	112.4	111.4
32.5°	576.6	430.7	246.7	156.5	141.4	121.5	121.2	112.6	112.4	116.9	116.9
35°	605.8	437.2	225.3	178.9	133.3	125.2	115.2	113.9	108.9	107.1	106.9
37.5°	634.8	441.3	208.9	164.3	136.8	119.5	113.4	104.6	110.1	110.1	109.6
40°	665.8	445.5	194.0	151.0	125.8	119.5	105.1	104.3	96.8	97.3	96.8
42.5°	699.1	447.3	178.2	139.9	115.4	112.1	101.6	93.7	93.5	95.3	94.8
45°	737.1	449.6	163.6	125.8	105.1	98.8	90.7	91.2	96.0	100.0	100.0
47.5°	777.7	451.6	151.5	113.2	97.8	89.7	83.7	85.7	94.3	98.3	99.5
50°	832.6	454.1	137.6	102.8	92.7	82.9	81.9	83.7	93.0	96.0	94.8
52.5°	891.1	449.6	124.0	96.3	87.4	75.4	77.1	81.7	91.7	93.2	92.2
55°	939.0	438.2	113.4	92.0	83.7	72.1	74.6	80.1	89.7	90.5	90.7
57.5°	994.7	423.4	105.1	88.7	81.4	70.6	73.6	79.9	85.7	89.2	89.2
60°	1049.4	406.0	100.0	86.9	79.6	70.6	73.6	79.6	84.9	88.7	88.5
62.5°	1113.4	386.3	97.0	88.0	77.4	71.3	74.1	80.4	84.7	89.0	88.5
65°	1135.8	348.8	94.8	89.5	77.1	72.3	74.3	81.4	84.4	89.5	89.0
67.5°	1091.4	299.1	91.0	89.5	79.4	73.6	74.1	80.9	83.7	89.7	87.4
68°	1076.6	291.8	89.7	89.2	79.6	73.8	74.1	80.6	83.2	89.5	86.9
70°	993.9	245.5	83.4	86.7	80.6	74.8	72.8	78.9	80.6	89.0	85.9
72.5°	860.1	191.3	72.8	80.6	79.6	76.4	70.6	75.4	76.4	83.2	78.1
75°	687.7	145.4	60.2	70.1	74.8	76.4	67.3	70.6	70.3	73.6	69.1
77.5°	432.4	103.8	48.6	59.5	68.0	74.3	64.3	64.3	61.2	61.7	59.7
80°	209.7	71.1	39.3	49.1	57.0	70.3	59.0	54.2	50.4	49.4	46.9
82.5°	103.1	45.9	27.2	37.0	45.1	58.2	52.9	44.6	38.1	37.5	33.5
85°	23.9	18.9	14.9	19.7	28.5	38.1	38.1	28.0	23.7	30.7	22.7
87.5°	2.3	2.8	3.0	2.8	3.5	3.3	8.1	8.1	7.3	4.8	3.3
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)