

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: P266006

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-7027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T2U-7027-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1435.9 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

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

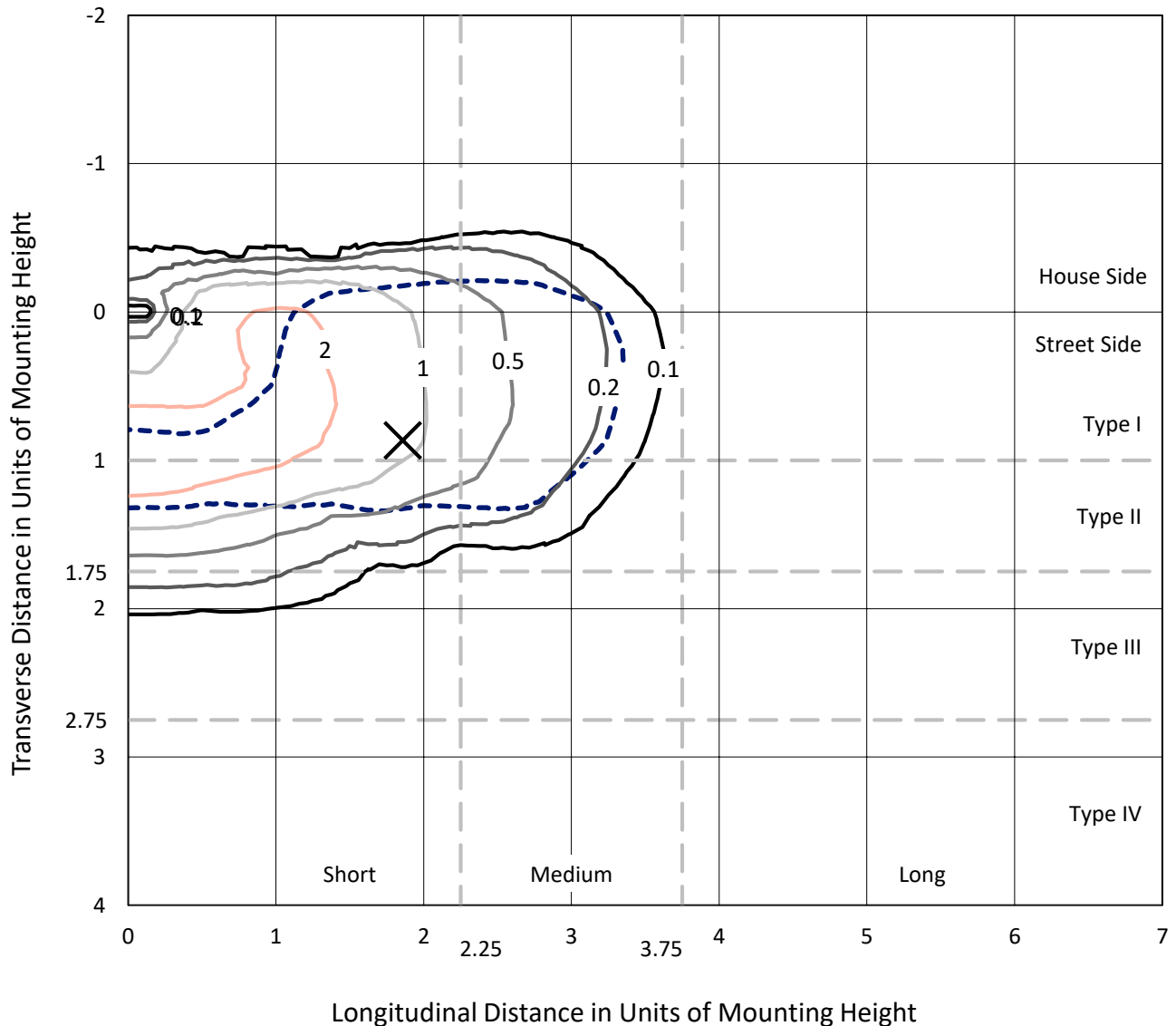


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

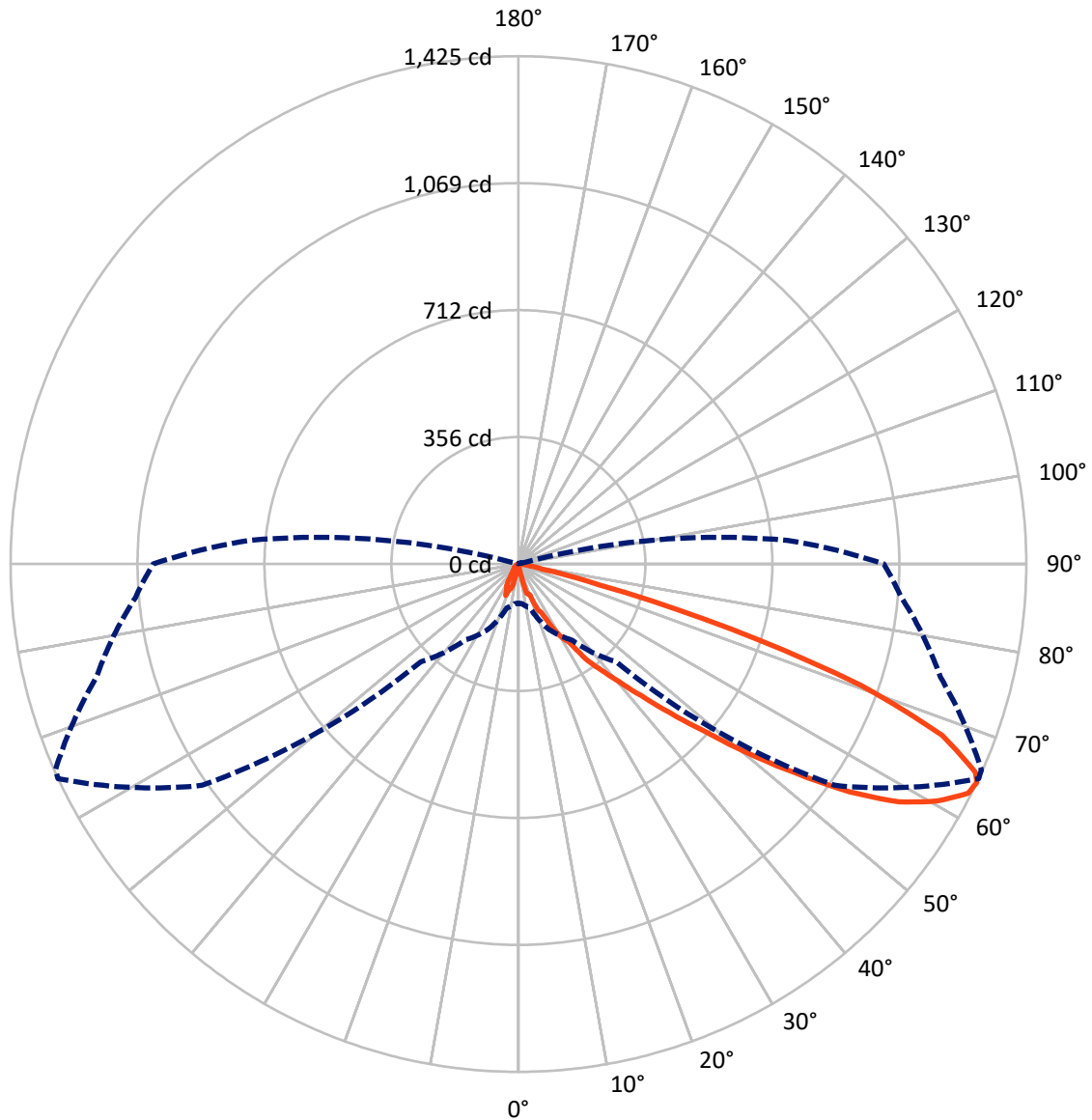


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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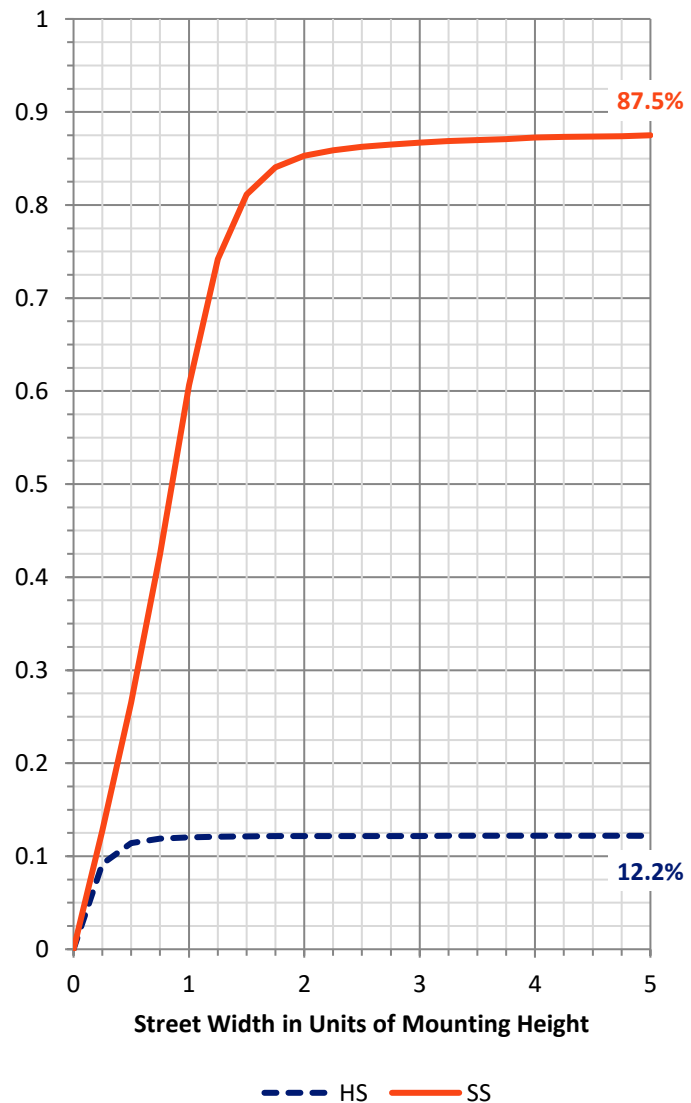
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	177.0	0.0	177.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1258.9	0.0	1258.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	1435.9	0.0	1435.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	14.3	1.0
20°-30°	48.7	3.4
30°-40°	136.7	9.5
40°-50°	317.5	22.1
50°-60°	443.8	30.9
60°-70°	350.1	24.4
70°-80°	117.2	8.2
80°-90°	6.4	0.4
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°	1435.9	100.0
0°-180°	1435.9	100.0

Coefficient of Utilization



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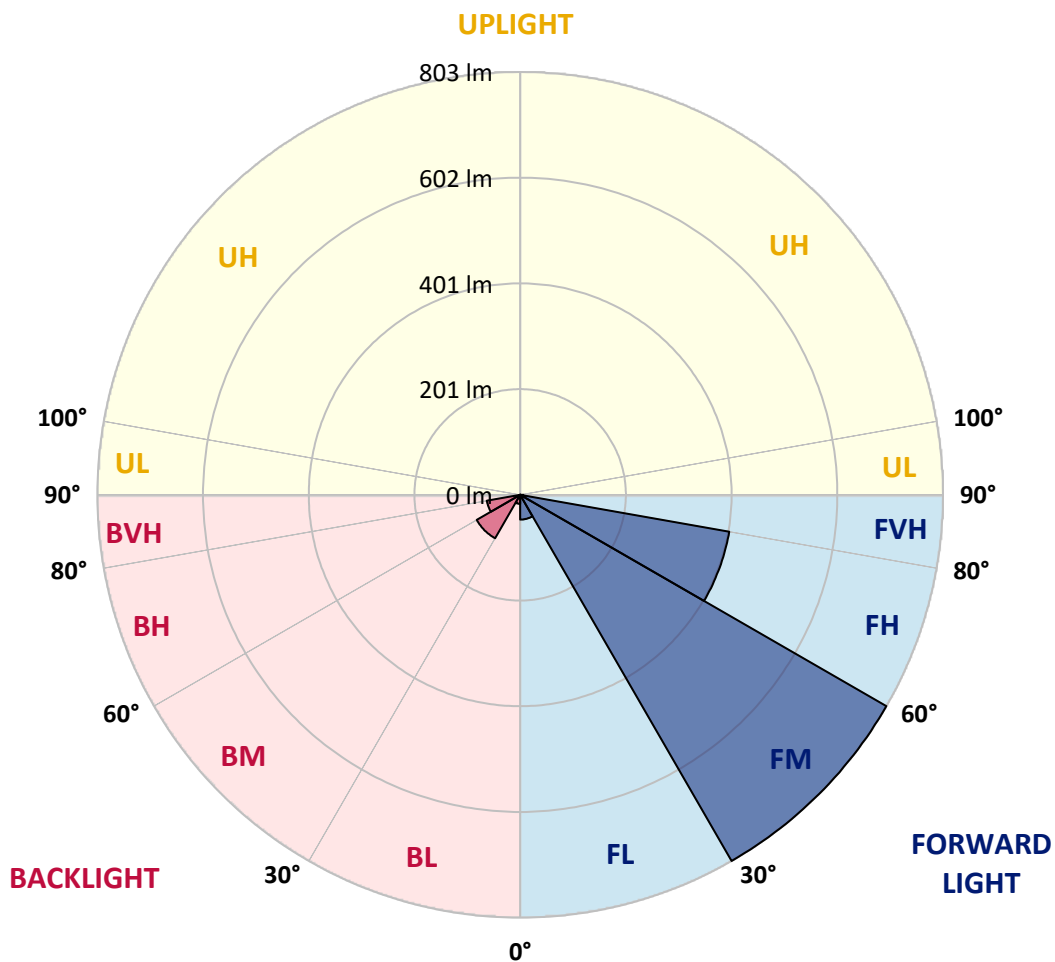
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.0	3.3			
FM (30°-60°)	802.7	55.9			
FH (60°-80°)	403.0	28.1			G0/660
FVH (80°-90°)	6.1	0.4			G0/10
BL (0°-30°)	17.1	1.2	B0/110		
BM (30°-60°)	95.3	6.6	B0/220		
BH (60°-80°)	64.3	4.5	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	28.2	11.8	8.9	5.5	1.6	0.4	0.2	0.0	0.0	0.0	0.0
7.5°	40.8	40.6	40.6	41.1	41.5	37.9	2.9	0.2	0.0	0.0	0.0
10°	38.8	38.5	38.5	39.3	40.1	40.8	41.1	1.4	1.0	0.0	0.0
12.5°	77.7	77.2	74.3	44.3	40.1	40.2	41.2	28.0	16.8	6.2	29.7
15°	76.4	76.3	76.4	78.2	78.2	41.7	62.3	84.1	83.9	54.6	64.0
17.5°	78.4	77.2	76.7	78.0	79.8	92.3	91.4	88.5	88.8	58.0	65.7
20°	112.8	113.1	114.9	87.8	82.7	116.7	103.6	93.1	94.4	111.5	120.8
22.5°	114.9	114.5	116.7	120.8	142.4	119.8	138.8	139.4	142.7	146.0	129.6
25°	158.7	158.5	129.6	127.0	152.3	134.4	166.0	151.1	153.6	154.1	158.9
27.5°	179.5	177.3	178.9	179.5	160.5	189.0	172.1	199.5	191.0	211.2	201.6
30°	228.7	222.1	205.4	208.0	198.7	201.4	208.5	238.3	230.3	223.9	220.3
32.5°	334.3	330.2	314.0	259.2	241.1	219.0	253.1	260.8	261.8	306.3	305.3
35°	488.5	459.8	402.3	361.7	288.9	286.2	280.7	329.6	332.1	349.0	348.8
37.5°	687.7	682.0	600.2	466.2	381.6	335.5	349.3	377.9	368.9	404.6	405.0
40°	809.1	803.5	737.2	621.7	487.6	421.8	405.3	433.2	417.8	479.6	467.7
42.5°	896.5	890.7	842.6	735.2	642.4	568.1	493.6	505.2	495.4	550.8	545.6
45°	948.8	940.5	920.0	828.9	769.7	738.2	620.8	595.1	597.6	640.2	634.6
47.5°	945.8	933.3	938.6	883.0	877.4	894.8	779.3	697.4	724.7	747.4	732.6
50°	871.0	861.2	890.9	898.5	947.8	1018.3	947.1	833.2	867.6	853.1	822.2
52.5°	732.6	734.5	777.7	828.0	960.0	1103.4	1108.1	975.4	1021.8	948.8	903.7
55°	585.9	591.2	638.3	699.2	885.2	1131.1	1242.6	1128.4	1168.9	1027.7	962.7
57.5°	430.7	439.1	498.3	550.1	728.3	1060.2	1309.0	1259.7	1283.9	1095.5	1008.9
60°	255.3	259.8	338.4	413.5	527.6	849.9	1306.3	1350.1	1358.1	1165.7	1045.8
62.5°	150.7	153.3	179.5	279.1	347.6	557.3	1207.0	1416.0	1413.6	1210.5	1071.3
64°	110.0	111.7	128.0	202.6	259.8	388.1	1082.3	1424.8	1421.9	1225.6	1078.4
65°	92.0	93.5	105.0	159.9	216.2	296.8	943.9	1409.0	1407.0	1233.3	1078.0
67.5°	73.8	74.1	77.4	93.8	147.2	155.8	546.4	1282.7	1276.9	1241.2	1060.2
70°	66.1	67.2	73.1	73.8	107.6	102.3	192.2	1021.6	1009.2	1178.3	1018.9
72.5°	52.6	54.0	63.5	72.5	77.7	76.7	87.8	623.0	628.0	865.7	854.1
75°	36.7	38.1	47.9	59.9	61.4	56.1	63.3	234.0	230.9	427.7	496.7
77.5°	22.7	23.4	30.0	43.2	57.0	37.2	44.0	67.8	72.7	132.6	135.6
80°	15.1	15.4	19.0	28.6	39.5	33.5	26.4	34.2	35.0	41.7	20.7
82.5°	8.4	8.7	11.9	18.0	23.7	29.7	17.0	20.7	21.7	26.0	11.0
85°	2.9	3.1	6.2	10.2	14.5	14.5	11.0	12.4	12.7	16.3	5.7
87.5°	0.0	0.0	1.4	2.6	2.3	1.0	2.3	1.9	1.6	2.6	1.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	30.3	33.2	33.5	34.0
10°	0.0	0.0	0.2	0.2	0.0	32.1	34.0	33.2	31.6	31.1	30.7
12.5°	30.7	29.5	4.1	1.0	27.0	33.5	30.3	26.0	21.7	20.7	19.7
15°	63.3	62.5	55.9	61.4	38.1	28.7	21.3	22.9	19.5	18.2	17.7
17.5°	64.3	63.3	59.6	72.1	59.5	29.3	19.7	15.8	14.5	14.0	13.7
20°	122.0	118.3	86.7	71.0	45.5	29.7	15.1	12.7	11.8	12.9	13.7
22.5°	125.7	121.5	104.7	95.2	38.1	19.5	14.5	14.0	14.6	14.0	14.0
25°	158.5	146.5	115.1	78.2	33.7	17.2	16.3	12.7	11.8	11.3	11.3
27.5°	196.8	187.7	158.9	73.3	22.7	18.2	14.2	11.0	12.2	12.2	12.2
30°	210.5	197.7	160.5	64.3	20.1	16.6	11.9	11.9	10.8	10.3	10.3
32.5°	302.3	283.9	206.2	45.0	18.2	14.0	11.9	10.2	9.8	10.5	10.5
35°	336.8	315.2	201.0	33.2	16.1	12.7	10.3	9.8	9.3	9.3	9.3
37.5°	382.8	357.3	184.3	24.8	15.1	10.8	9.2	8.7	8.9	9.3	9.6
40°	443.0	412.3	170.9	20.4	12.9	9.3	8.2	8.4	8.4	8.4	8.4
42.5°	513.9	471.5	151.1	18.2	11.0	8.4	7.5	7.5	7.6	7.6	7.6
45°	595.4	536.2	123.2	16.1	9.6	7.1	6.6	6.6	6.6	6.5	6.6
47.5°	681.8	606.3	93.5	14.2	8.2	6.5	6.0	5.7	5.7	5.5	5.7
50°	767.5	671.5	68.4	12.2	7.1	5.7	5.0	5.0	5.0	4.9	4.9
52.5°	836.1	715.5	48.4	10.5	6.2	5.0	4.3	4.1	4.1	3.9	3.9
55°	893.6	741.9	35.5	8.9	5.5	4.3	3.7	3.4	3.4	3.1	3.4
57.5°	938.0	758.3	26.9	7.1	4.9	3.7	2.9	2.6	2.6	2.6	2.6
60°	975.4	764.0	20.7	6.0	4.1	2.9	2.3	2.2	2.2	1.9	2.2
62.5°	1010.1	762.5	17.0	5.3	3.7	2.3	1.9	1.6	1.4	1.2	1.4
64°	1025.0	758.7	15.4	4.5	3.4	2.2	1.6	1.4	1.2	0.7	1.0
65°	1031.3	752.7	14.2	4.1	3.1	1.9	1.6	1.4	0.7	0.4	0.7
67.5°	1026.0	721.8	11.0	3.7	2.3	1.4	1.2	1.0	0.2	0.2	0.4
70°	967.3	656.1	8.4	3.1	2.2	1.2	1.0	0.7	0.4	0.2	0.4
72.5°	759.6	471.7	6.5	2.3	1.6	0.7	1.0	0.7	0.4	0.2	0.0
75°	407.6	177.1	4.9	1.9	1.4	0.7	0.7	0.4	0.2	0.2	0.0
77.5°	105.0	55.9	3.4	1.2	1.2	0.4	0.4	0.4	0.2	0.2	0.0
80°	16.3	7.9	1.4	1.0	0.7	0.2	0.4	0.2	0.2	0.4	0.0
82.5°	6.6	3.1	1.0	0.7	0.7	0.0	0.4	0.2	0.2	0.2	0.0
85°	1.6	1.2	0.7	0.4	0.4	0.0	0.2	0.0	0.2	0.2	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.0	0.2	0.0	0.0	0.0	0.0
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)