

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: P414199

Luminaire Tested: **LXF.LXT-PA1-20-730-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414199  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2114 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

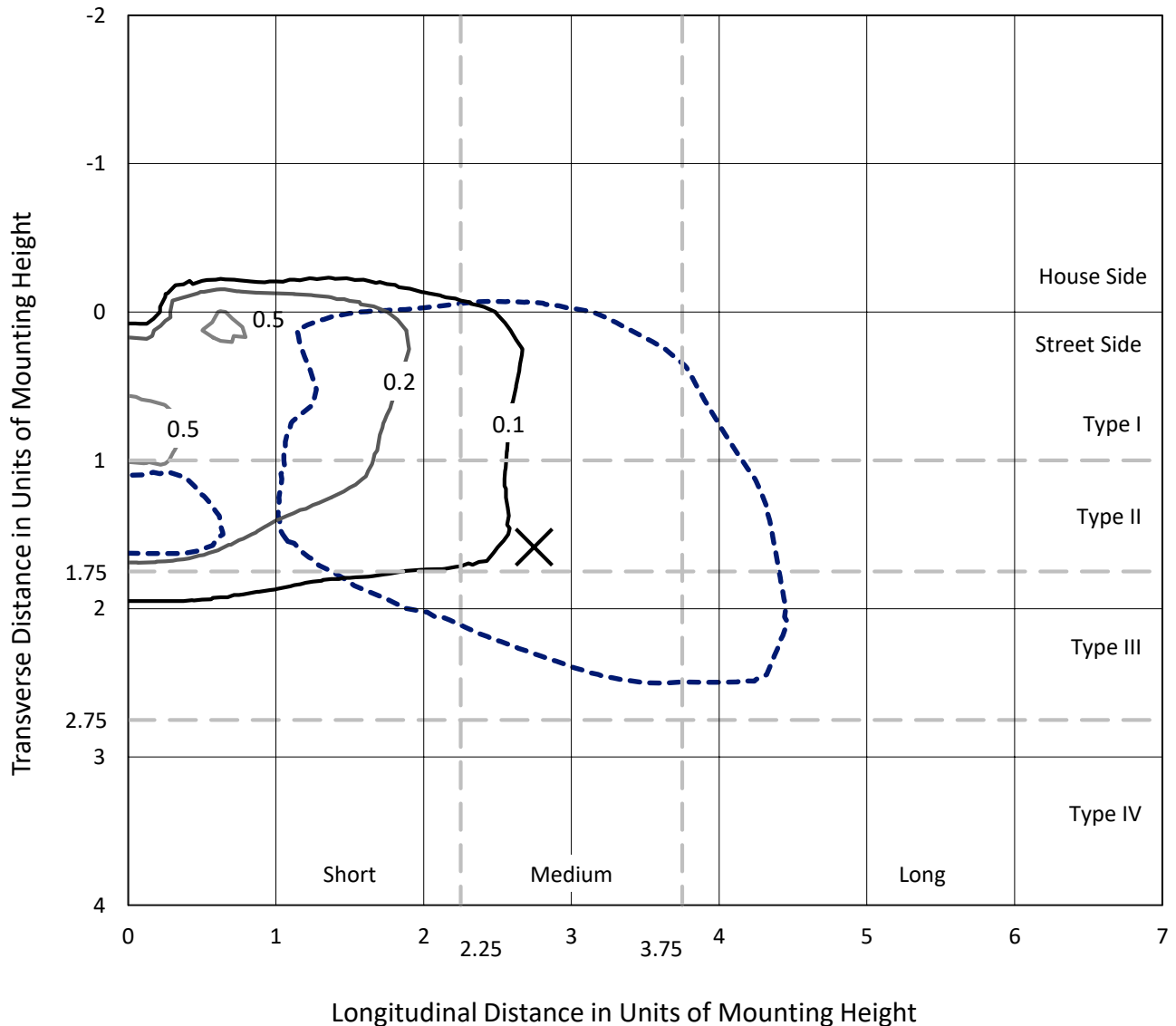
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

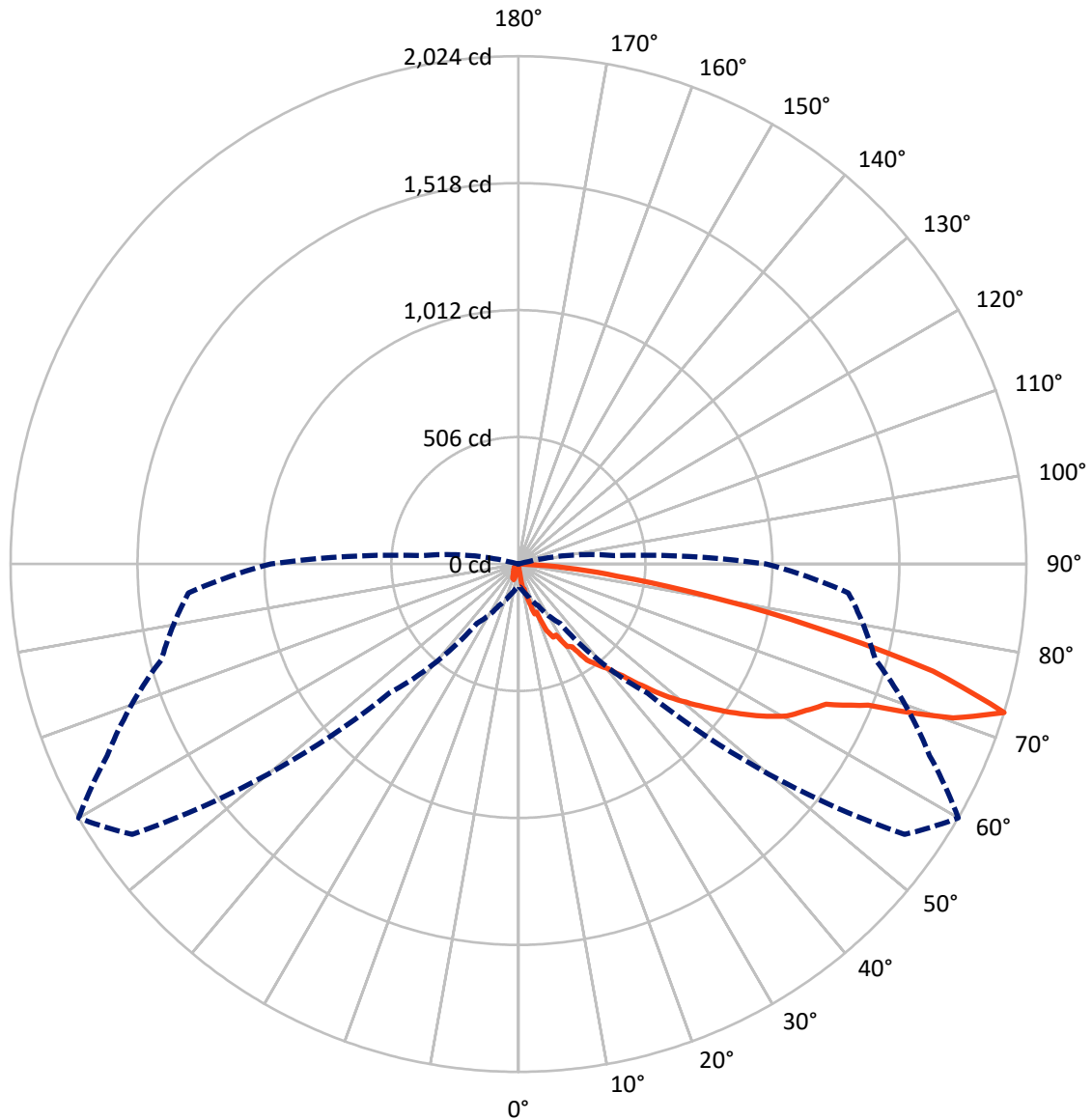
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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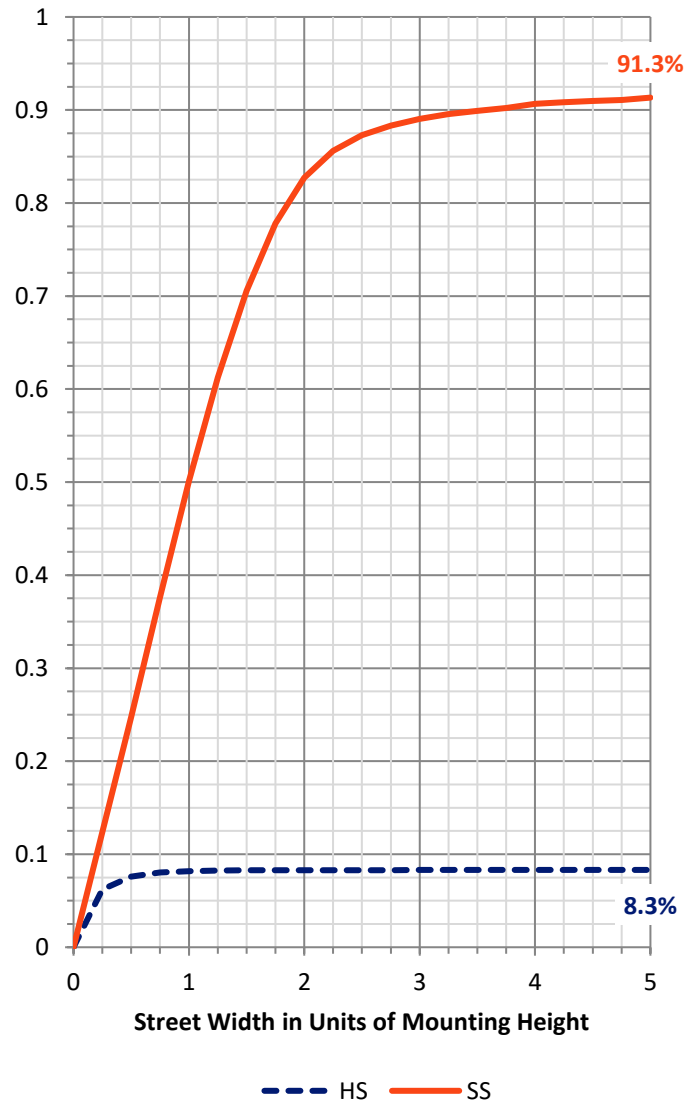
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	177.3	0.0	177.3
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	1936.7	0.0	1936.7
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	2114.0	0.0	2114.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	29.4	1.4
20°-30°	92.1	4.4
30°-40°	198.5	9.4
40°-50°	337.5	16.0
50°-60°	499.0	23.6
60°-70°	542.8	25.7
70°-80°	369.9	17.5
80°-90°	41.9	2.0
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°	2114.0	100.0
0°-180°	2114.0	100.0



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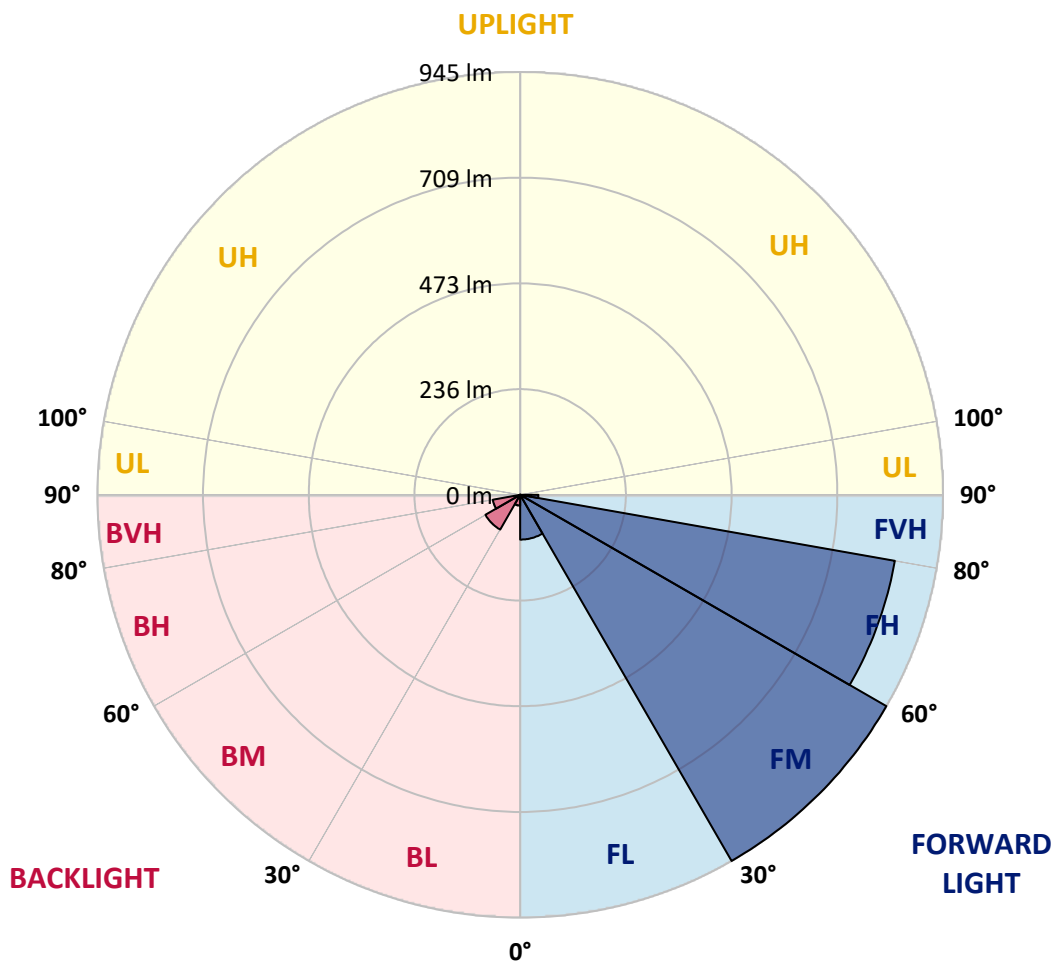
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.1	4.7			
FM	(30°-60°)	945.3	44.7			
FH	(60°-80°)	850.5	40.2			G1/1800
FVH	(80°-90°)	40.7	1.9			G1/100
BL	(0°-30°)	24.2	1.1	B0/110		
BM	(30°-60°)	89.7	4.2	B0/220		
BH	(60°-80°)	62.1	2.9	B0/110		G0/110
BVH	(80°-90°)	1.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.9	1.4	1.4	1.1	0.8	0.8	0.8	1.1	1.1	0.8	1.1
5°	108.1	106.8	106.8	107.3	69.7	11.8	6.6	2.7	1.1	1.1	1.1
7.5°	102.6	101.5	102.1	103.5	104.3	105.7	105.7	32.4	10.4	1.1	1.1
10°	105.1	104.3	99.9	99.1	100.7	102.1	102.6	105.1	102.1	3.0	1.1
12.5°	185.0	183.6	183.6	186.1	108.1	98.8	99.9	102.4	88.4	11.5	6.3
15°	177.0	175.9	176.2	179.2	183.3	130.1	102.6	152.0	195.1	176.2	140.0
17.5°	247.0	212.7	183.9	175.1	175.9	181.7	199.0	209.1	198.4	200.6	152.6
20°	252.2	250.3	249.2	251.1	180.0	239.6	253.0	205.3	199.8	214.9	281.6
22.5°	261.0	256.6	247.8	246.7	277.2	236.0	245.1	287.1	294.8	314.8	293.1
25°	353.5	350.2	341.1	259.6	284.3	271.2	309.0	323.0	318.4	331.5	317.8
27.5°	388.3	382.0	362.5	337.0	301.9	319.7	312.6	320.3	351.6	456.7	448.2
30°	544.2	527.5	473.7	388.1	359.0	332.9	363.6	379.8	406.2	467.4	459.4
32.5°	591.4	573.6	534.6	494.0	425.4	377.4	400.1	393.0	411.9	570.3	603.2
35°	728.9	720.7	650.4	537.6	520.1	445.2	420.2	469.3	497.3	578.3	634.0
37.5°	730.6	731.1	727.0	650.7	570.3	500.3	505.0	506.9	528.6	616.1	669.7
40°	753.9	757.8	767.9	710.3	642.5	580.2	567.8	548.6	567.8	658.7	718.5
42.5°	802.8	805.5	828.0	767.9	699.6	642.5	648.8	609.6	623.5	739.1	784.9
45°	888.7	887.0	915.3	828.6	752.8	713.6	720.7	690.5	682.0	805.0	862.9
47.5°	985.8	991.9	990.8	895.5	805.8	779.7	800.3	784.1	750.6	888.9	953.7
50°	1077.8	1075.8	1047.3	933.4	853.0	844.5	892.0	865.3	834.9	974.3	1041.3
52.5°	1111.2	1112.9	1078.9	956.2	893.3	908.7	979.8	952.9	913.4	1035.2	1128.3
55°	1105.2	1107.4	1088.2	979.5	923.5	968.8	1070.9	1047.8	1003.4	1101.4	1193.6
57.5°	1048.7	1048.7	1064.3	994.1	952.9	1022.6	1152.1	1142.8	1087.9	1156.3	1232.6
60°	904.3	919.7	968.8	976.5	987.5	1080.8	1232.6	1229.5	1162.8	1207.6	1255.6
62.5°	695.5	700.4	809.1	891.4	990.2	1159.0	1300.3	1285.8	1218.3	1223.2	1271.8
65°	394.4	416.9	517.3	725.4	934.0	1240.8	1409.3	1347.0	1266.9	1241.9	1331.4
67.5°	212.4	220.7	276.6	439.1	765.4	1249.8	1656.3	1502.3	1382.1	1340.1	1448.0
70°	137.2	146.0	176.2	241.2	480.0	1105.2	1888.8	1836.9	1620.1	1474.6	1465.8
72.5°	89.2	94.4	127.1	181.7	288.7	728.1	1878.1	2023.5	1808.1	1472.1	1319.6
75°	36.2	39.8	63.7	151.2	244.0	356.8	1440.9	1706.3	1697.5	1308.3	1021.2
77.5°	18.1	19.2	28.3	81.8	216.5	247.0	911.7	1203.5	1208.4	953.7	567.8
80°	11.8	11.5	16.2	38.4	147.7	224.8	509.9	739.4	691.3	361.7	159.2
82.5°	4.7	4.9	8.8	22.0	61.8	203.4	290.9	398.0	311.2	70.5	45.8
85°	0.8	0.8	2.7	11.8	19.5	93.0	187.7	192.7	127.9	22.2	23.1
87.5°	0.3	0.3	0.5	0.8	1.4	2.2	8.2	3.8	2.5	3.8	4.4
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.1	1.1	1.1	0.8	0.8	0.5	0.0	0.0	0.3	0.3	0.3
5°	1.1	1.1	1.1	0.8	0.8	0.3	0.0	0.0	0.3	0.3	0.3
7.5°	1.1	1.1	1.1	0.8	0.5	0.3	0.0	0.0	0.3	0.3	0.3
10°	1.1	1.1	1.1	0.8	0.5	0.3	8.0	50.8	52.4	52.7	52.1
12.5°	6.9	7.1	3.8	0.8	0.5	47.2	46.9	39.2	34.3	32.4	29.9
15°	149.0	141.6	117.2	69.2	38.1	38.7	28.5	21.1	17.0	15.9	15.4
17.5°	147.7	137.0	107.9	63.1	66.4	29.1	15.4	17.0	22.2	22.5	22.5
20°	277.5	243.4	105.4	70.5	44.7	25.2	20.0	21.1	21.1	21.4	21.1
22.5°	289.3	255.2	157.8	90.0	32.1	26.6	22.8	19.8	20.3	26.3	25.5
25°	291.7	250.3	146.3	70.5	31.0	26.6	25.0	24.2	27.2	27.2	27.4
27.5°	420.5	351.8	177.3	53.0	30.7	27.7	27.7	25.2	24.4	24.2	24.4
30°	419.6	339.8	151.2	44.7	29.6	27.4	25.0	22.5	27.2	27.4	27.4
32.5°	550.8	434.5	146.3	36.2	29.6	25.2	22.0	23.3	21.7	21.7	21.7
35°	558.5	423.5	115.3	37.6	26.3	23.1	21.4	18.1	19.2	19.5	18.9
37.5°	573.3	415.8	87.5	34.0	26.3	21.4	17.6	16.2	15.1	14.8	14.8
40°	599.9	416.3	67.5	31.3	24.7	19.5	15.6	13.2	13.7	13.7	13.4
42.5°	639.7	424.3	53.0	28.8	22.2	17.3	13.2	11.8	11.0	11.0	10.7
45°	692.4	441.3	43.4	26.9	20.3	14.8	10.7	9.6	8.8	8.8	8.5
47.5°	757.8	465.2	37.9	25.0	18.1	12.4	8.8	7.7	7.1	6.9	6.9
50°	827.5	493.7	34.9	23.3	15.6	9.9	7.1	6.0	5.5	5.5	5.2
52.5°	899.6	526.4	32.4	22.2	13.4	8.2	5.5	4.4	4.1	3.8	4.1
55°	958.1	546.2	30.7	22.0	11.3	6.6	4.1	3.3	3.0	2.7	2.7
57.5°	996.5	556.9	28.5	20.3	9.1	4.9	3.0	2.2	1.9	1.9	1.9
60°	1026.7	562.9	25.8	16.2	7.1	3.6	1.9	1.4	1.4	1.4	1.4
62.5°	1050.6	567.0	21.7	12.6	5.5	2.5	1.4	0.8	0.8	0.8	0.8
65°	1121.4	591.2	16.7	9.6	4.1	1.6	0.8	0.5	0.3	0.5	0.5
67.5°	1207.6	601.3	12.4	6.9	3.0	1.1	0.5	0.3	0.3	0.3	0.5
70°	1173.5	523.9	9.1	4.9	2.2	0.8	0.5	0.3	0.3	0.3	0.5
72.5°	986.1	382.9	6.6	3.6	1.6	0.8	0.5	0.3	0.3	0.5	0.5
75°	709.2	216.0	5.2	2.5	1.4	0.8	0.5	0.5	0.5	0.8	0.8
77.5°	333.7	80.4	5.2	2.2	1.4	0.8	0.5	0.5	0.8	1.1	0.5
80°	81.0	20.0	5.2	1.9	1.4	0.8	0.8	0.8	1.1	1.1	0.5
82.5°	27.2	8.5	3.8	1.6	1.4	0.8	0.8	1.1	1.1	1.4	0.8
85°	16.5	5.5	2.7	1.9	1.6	0.8	1.1	1.1	1.4	1.6	0.8
87.5°	2.7	2.2	1.9	1.9	1.6	1.1	1.1	1.4	1.4	1.6	1.1
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)