

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: P414477

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
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-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1619 lumens
Efficiency: N/A
Efficacy: 77.1 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 (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

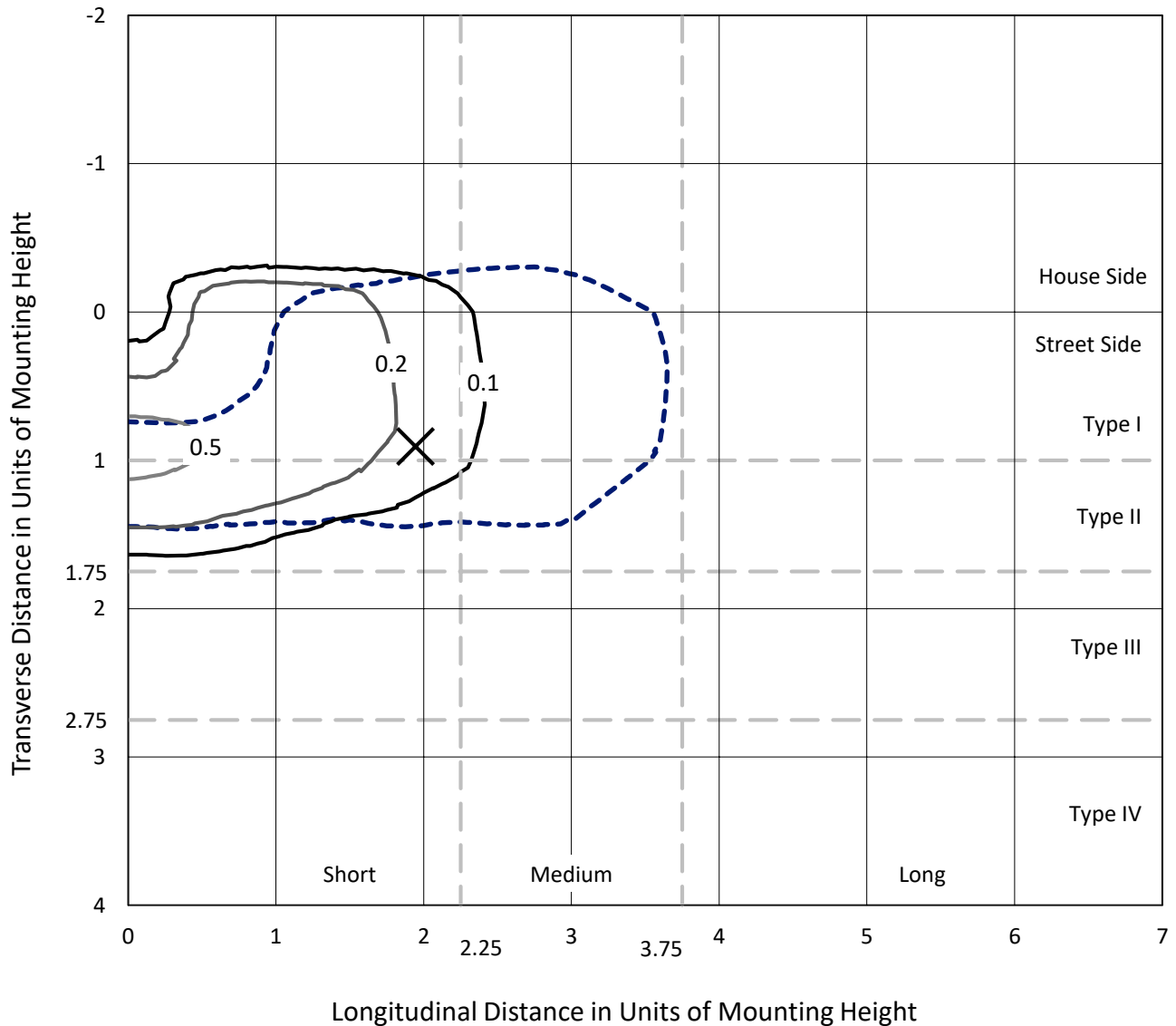


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Iso-Footcandle Lines of Horizontal Illumination

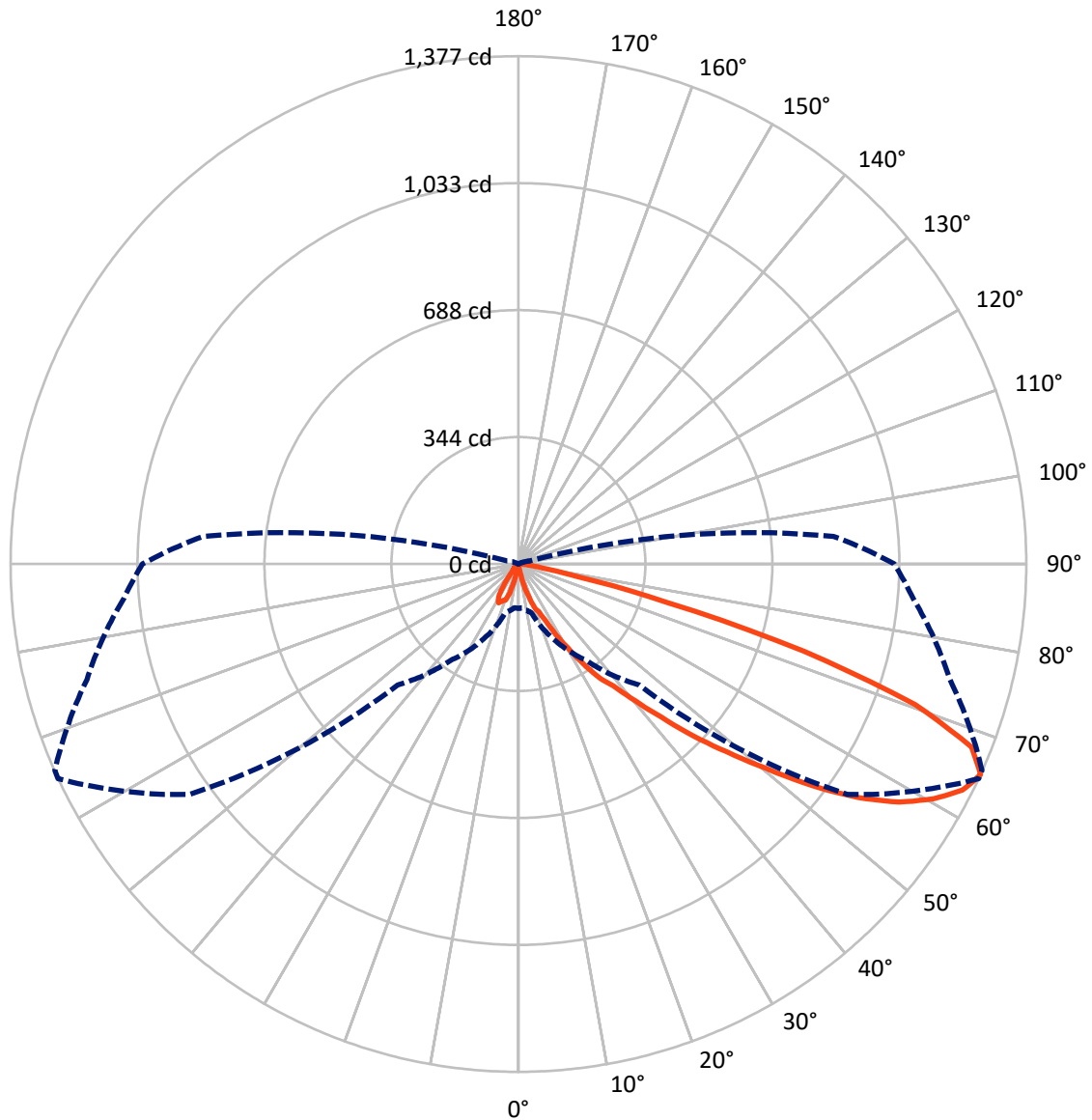
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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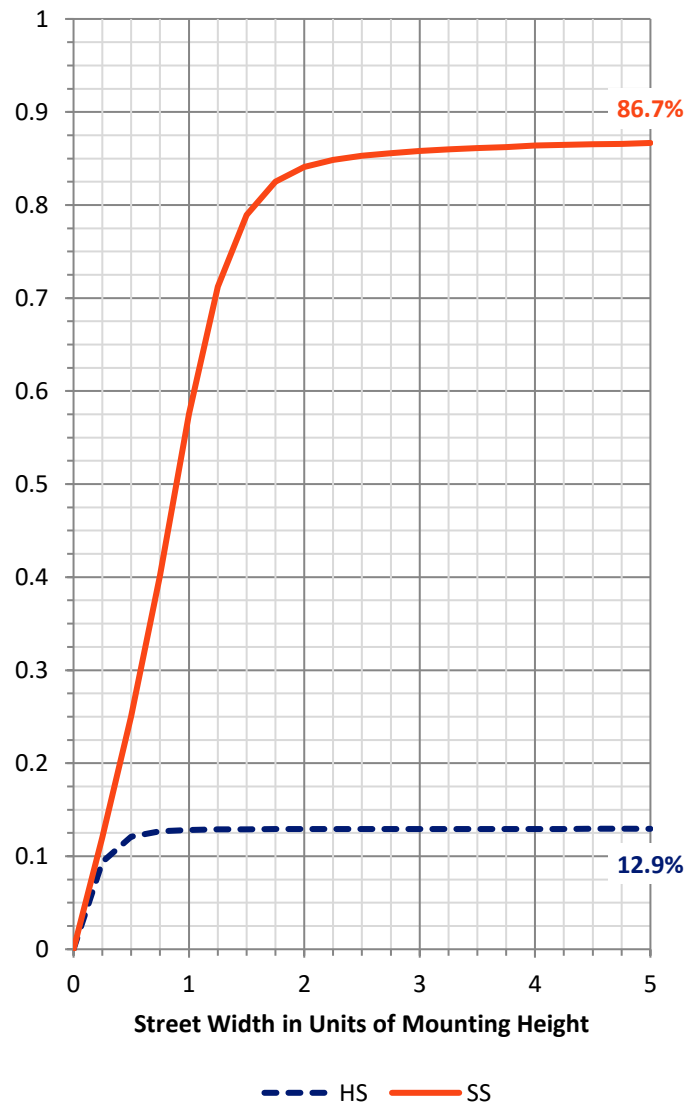
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	212.4	0.0	212.4
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1406.6	0.0	1406.6
	% Fixture	86.9	0.0	86.9
Total	Lumens	1619.0	0.0	1619.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	16.8	1.0
20°-30°	57.1	3.5
30°-40°	160.6	9.9
40°-50°	356.4	22.0
50°-60°	477.9	29.5
60°-70°	380.7	23.5
70°-80°	156.9	9.7
80°-90°	11.2	0.7
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°	1619.0	100.0
0°-180°	1619.0	100.0



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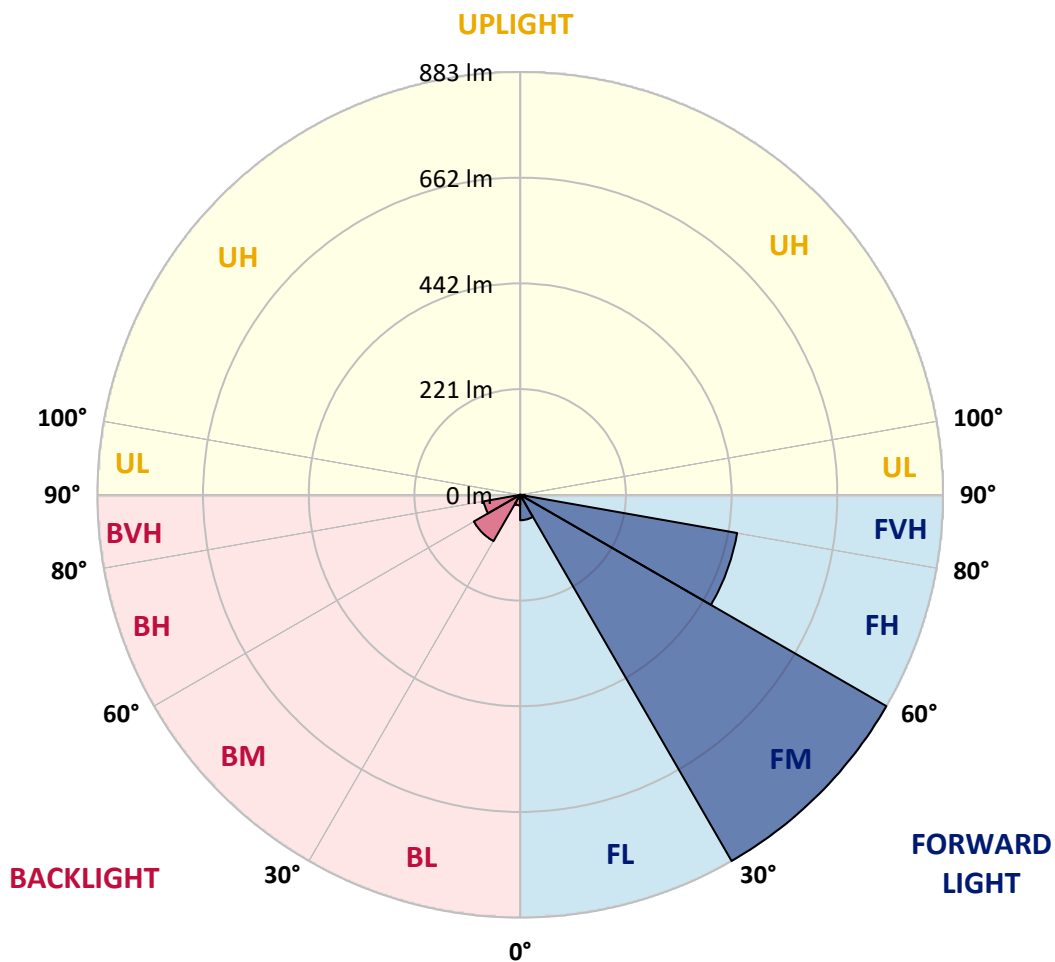
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.1	3.3			
FM	(30°-60°)	883.3	54.6			
FH	(60°-80°)	460.2	28.4			G0/660
FVH	(80°-90°)	10.0	0.6			G0/10
BL	(0°-30°)	22.1	1.4	B0/110		
BM	(30°-60°)	111.7	6.9	B0/220		
BH	(60°-80°)	77.4	4.8	B0/110		G0/110
BVH	(80°-90°)	1.2	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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	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°	0.2	0.2	0.2	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5
5°	6.9	6.5	4.8	2.6	1.4	1.0	0.7	0.5	0.5	0.5	0.5
7.5°	48.4	48.1	48.1	48.6	48.9	17.5	1.7	0.7	0.7	0.5	0.5
10°	46.5	46.2	46.2	46.9	47.7	47.9	46.0	1.2	1.0	0.5	0.5
12.5°	86.7	85.3	54.4	47.7	46.5	46.9	47.2	40.7	18.9	29.2	36.2
15°	86.9	86.2	86.9	88.1	70.4	49.1	71.6	69.9	69.9	51.5	70.6
17.5°	87.9	86.9	87.4	89.1	86.5	101.5	95.8	99.1	99.1	73.3	78.1
20°	129.8	129.6	131.5	96.3	107.5	126.0	104.4	128.1	130.5	109.0	112.8
22.5°	132.4	132.2	135.3	134.8	132.0	135.3	152.8	140.3	141.1	164.8	149.0
25°	184.4	180.1	146.1	143.5	173.4	160.7	183.2	169.1	167.6	199.3	189.0
27.5°	211.0	209.1	211.2	204.8	183.7	197.1	198.3	217.7	207.9	228.2	232.8
30°	256.5	257.7	246.9	236.1	240.7	228.7	238.5	264.6	263.4	258.6	293.6
32.5°	409.5	397.1	376.0	292.6	274.2	265.6	292.9	322.3	310.4	328.1	363.1
35°	542.0	514.2	479.2	419.8	340.5	317.6	350.8	379.8	372.4	408.1	405.9
37.5°	762.8	749.8	689.2	537.6	458.6	396.1	412.2	419.1	427.7	468.4	467.5
40°	893.3	878.4	835.6	715.6	578.8	491.4	484.5	488.1	490.9	531.9	534.8
42.5°	1003.0	996.3	954.6	839.6	727.8	645.9	581.0	566.9	572.1	613.6	608.0
45°	1077.4	1069.5	1031.9	951.7	859.0	816.9	693.1	665.5	667.0	690.0	685.6
47.5°	1093.7	1084.4	1067.6	1023.1	991.7	957.5	833.4	760.8	777.1	778.3	763.7
50°	1035.8	1024.3	1038.4	1027.9	1075.8	1093.0	975.4	872.0	900.0	874.4	833.9
52.5°	892.3	895.9	939.5	971.3	1078.9	1187.8	1128.0	999.4	1018.3	953.6	900.2
55°	708.6	717.5	789.6	848.0	1005.6	1214.4	1238.4	1117.4	1124.9	1037.9	953.9
57.5°	521.8	533.8	622.4	687.6	863.6	1157.2	1292.5	1217.8	1232.4	1098.8	991.2
60°	321.1	332.2	432.5	531.7	662.9	992.7	1299.7	1293.0	1309.7	1141.6	1028.8
62.5°	195.7	205.0	248.8	369.3	476.3	750.3	1239.8	1350.7	1359.1	1185.0	1055.9
65°	120.5	118.8	136.5	224.4	317.8	463.9	1088.5	1376.8	1375.8	1211.1	1074.1
67.5°	79.7	81.2	87.9	123.3	216.5	250.7	780.5	1325.5	1320.8	1223.8	1066.9
70°	70.6	71.1	77.8	87.4	155.9	146.1	394.0	1141.1	1134.4	1189.5	1022.1
72.5°	55.3	57.0	68.0	79.3	112.6	107.0	148.5	808.3	816.9	1011.1	899.5
75°	39.3	40.5	51.5	69.2	84.1	81.9	83.8	416.7	442.1	671.3	659.1
77.5°	24.7	25.6	33.3	51.2	71.4	60.3	58.7	163.6	183.2	328.3	329.8
80°	17.0	17.2	20.6	34.5	51.2	49.6	39.8	65.4	66.1	119.0	114.2
82.5°	10.1	10.1	13.7	21.3	31.4	40.5	25.6	32.8	34.0	44.1	25.1
85°	3.6	3.8	7.4	12.2	17.5	21.3	15.3	18.0	18.7	22.8	12.0
87.5°	0.2	0.5	2.4	3.8	4.8	4.3	5.0	5.5	6.2	7.4	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.5	0.5	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2
5°	0.5	0.5	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2
7.5°	0.5	0.5	0.7	0.7	0.7	0.5	6.7	37.4	39.0	40.2	40.5
10°	1.4	1.0	0.7	0.7	0.7	38.8	40.2	39.3	38.6	37.8	38.1
12.5°	36.6	36.6	33.3	21.6	36.2	39.8	37.6	35.2	33.3	31.1	31.4
15°	70.4	69.9	61.8	53.2	60.8	39.0	32.3	42.9	36.6	32.3	31.6
17.5°	78.3	75.9	66.3	84.8	75.4	44.5	37.4	25.4	18.2	16.5	16.3
20°	112.8	109.7	96.8	102.7	69.0	51.5	22.5	14.4	12.9	15.6	16.0
22.5°	145.1	140.8	120.9	106.3	77.6	31.6	15.8	15.8	15.6	15.1	14.8
25°	186.6	178.9	162.1	111.4	61.5	20.8	17.2	14.1	12.7	11.7	11.7
27.5°	229.2	218.9	185.8	118.5	40.5	19.4	15.3	12.0	12.7	12.2	12.2
30°	291.5	277.3	216.5	110.9	26.3	18.0	12.9	11.7	10.3	9.8	9.6
32.5°	355.9	330.0	246.7	96.5	20.8	15.3	12.0	9.6	9.3	9.6	9.6
35°	397.1	372.9	279.2	70.2	18.2	13.4	9.8	8.9	8.1	7.9	7.9
37.5°	446.4	416.5	282.1	45.5	15.8	11.0	8.4	7.4	7.4	7.7	7.7
40°	505.6	472.7	270.6	28.0	13.7	9.1	7.2	6.7	6.5	6.5	6.5
42.5°	571.9	530.5	254.6	21.1	11.5	7.7	6.0	5.7	5.5	5.5	5.5
45°	642.8	588.7	232.5	17.5	9.6	6.5	5.0	4.8	4.8	4.6	4.6
47.5°	716.3	650.9	199.3	15.3	7.9	5.3	4.3	4.1	3.8	3.8	3.8
50°	779.3	707.9	158.5	13.2	6.7	4.6	3.4	3.1	3.1	2.9	2.9
52.5°	836.5	756.3	125.7	11.3	5.5	3.6	2.6	2.4	2.4	2.2	2.2
55°	880.6	792.2	93.9	9.3	4.6	2.9	1.9	1.7	1.7	1.4	1.7
57.5°	917.7	814.2	71.1	7.7	3.8	2.2	1.4	1.2	1.0	1.0	1.0
60°	952.9	832.0	52.4	6.0	3.1	1.7	1.0	0.7	0.5	0.5	0.5
62.5°	990.7	847.8	41.4	4.8	2.6	1.2	0.5	0.5	0.0	0.0	0.0
65°	1019.2	857.6	32.1	3.8	2.2	0.7	0.5	0.2	0.0	0.0	0.0
67.5°	1020.2	845.1	25.1	3.1	1.9	0.7	0.2	0.0	0.0	0.0	0.0
70°	983.6	792.2	18.7	2.9	1.7	0.7	0.5	0.2	0.0	0.0	0.0
72.5°	852.3	621.9	13.4	2.4	1.4	0.7	0.5	0.2	0.2	0.0	0.0
75°	616.4	367.6	9.3	2.2	1.4	0.7	0.7	0.5	0.5	0.5	0.0
77.5°	316.1	152.8	6.2	1.9	1.2	0.5	1.0	0.7	0.7	0.7	0.2
80°	92.7	52.7	3.8	1.7	1.2	0.5	1.0	1.0	1.0	1.0	0.2
82.5°	17.7	10.3	2.4	1.7	1.2	0.5	1.0	1.0	1.0	1.2	0.0
85°	6.9	4.1	1.7	1.4	1.2	0.5	1.0	1.0	1.2	1.2	0.0
87.5°	2.4	1.9	1.4	1.2	1.2	0.5	1.0	1.0	1.0	1.2	0.2
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)