

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: P414489

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
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-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2225 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - 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

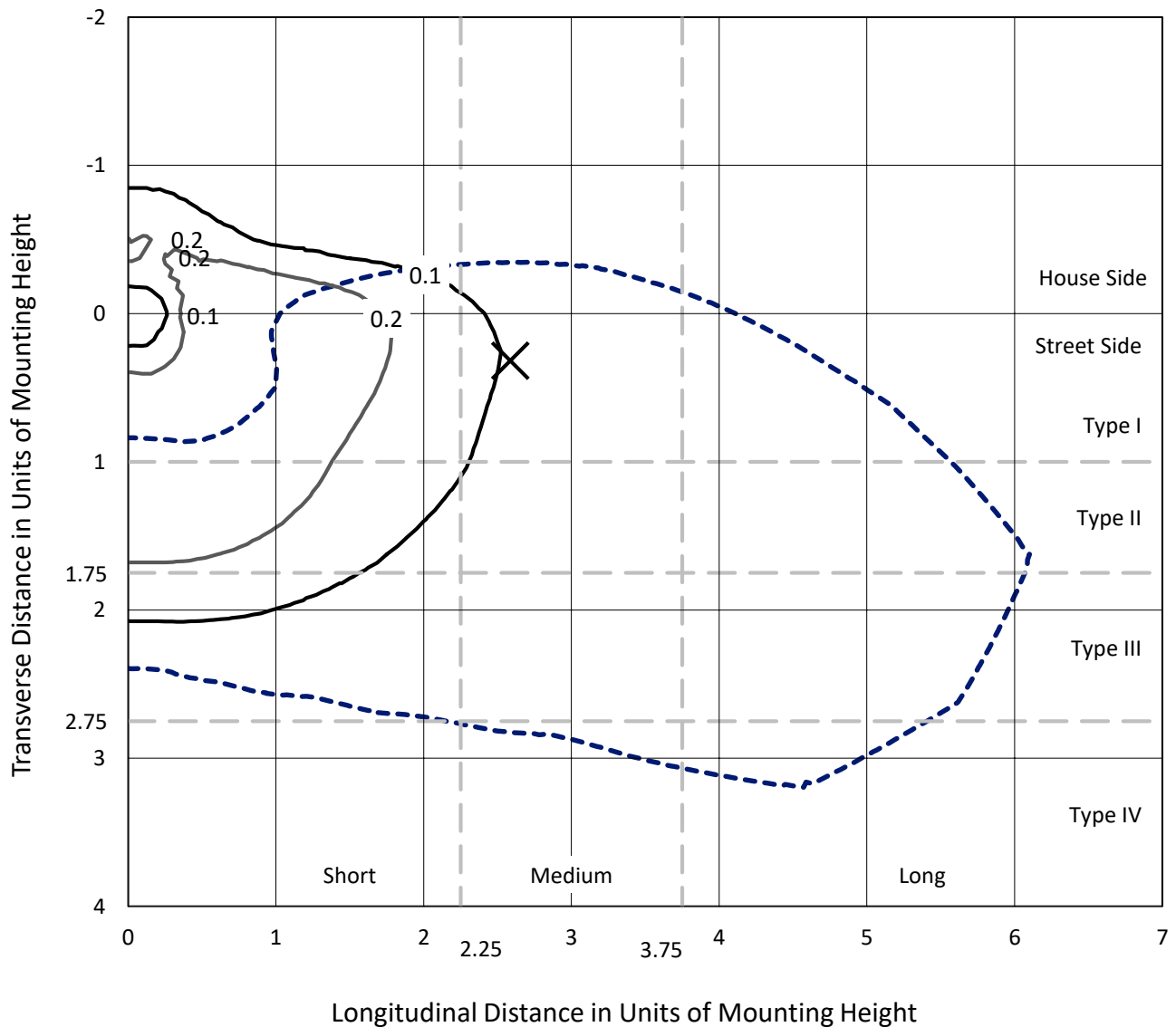


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

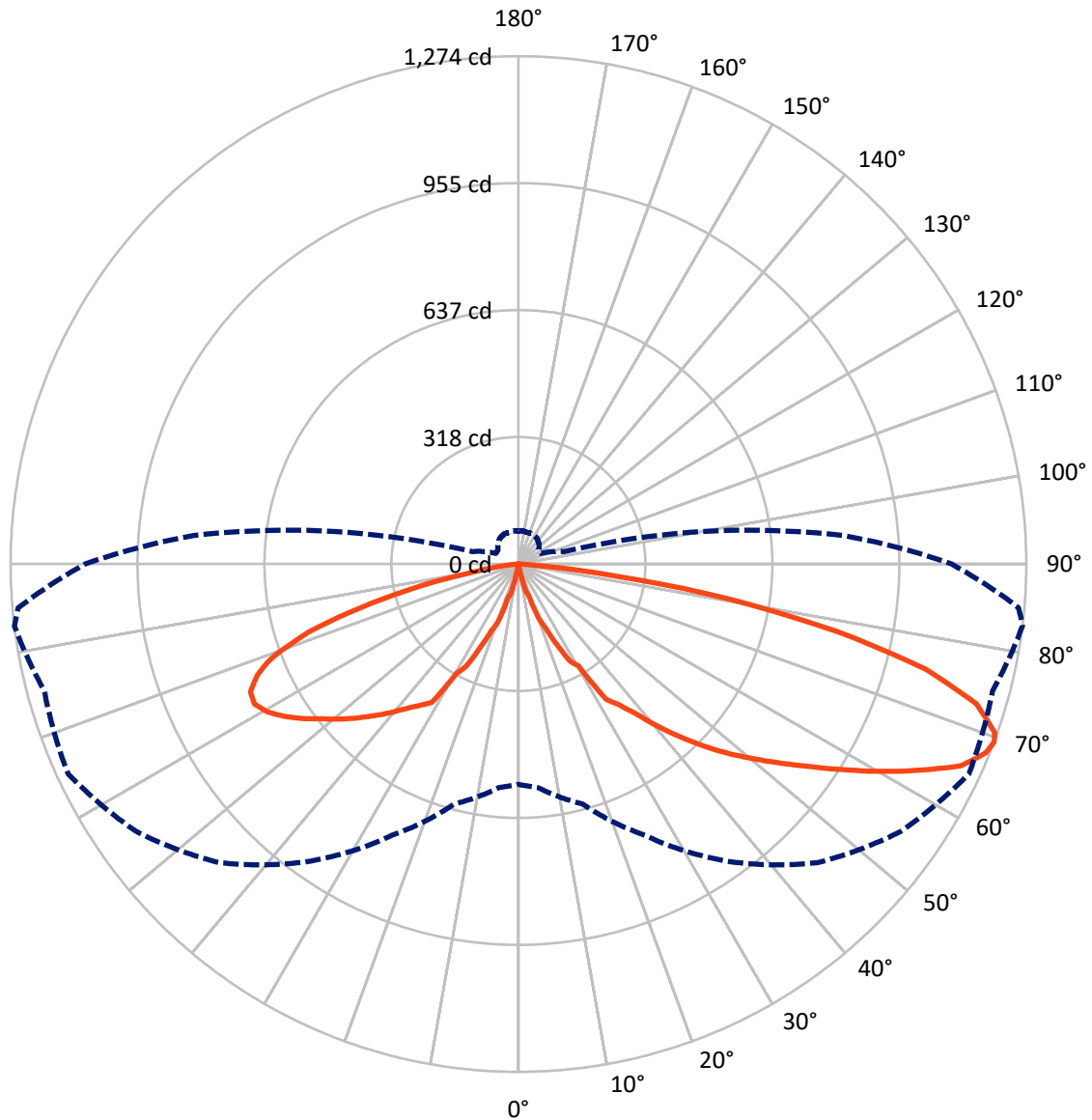


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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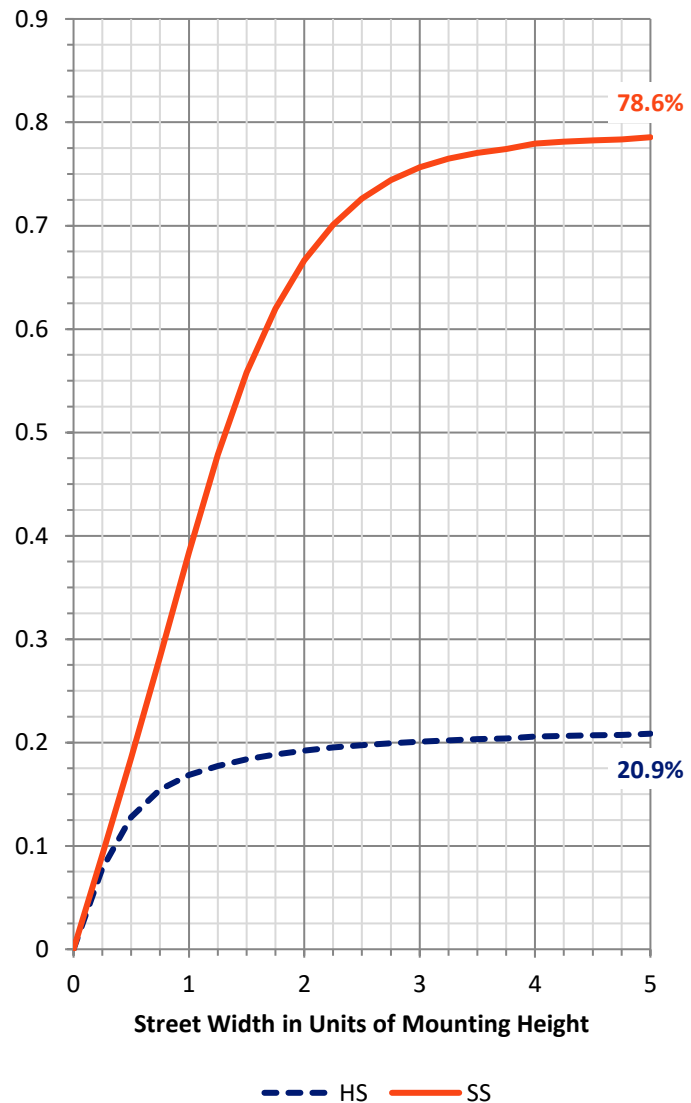
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.9	0.0	471.9
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	1753.1	0.0	1753.1
	% Fixture	78.8	0.0	78.8
Total	Lumens	2225.0	0.0	2225.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	22.6	1.0
20°-30°	89.2	4.0
30°-40°	198.6	8.9
40°-50°	337.2	15.2
50°-60°	502.5	22.6
60°-70°	591.7	26.6
70°-80°	414.2	18.6
80°-90°	67.6	3.0
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°	2225.0	100.0
0°-180°	2225.0	100.0



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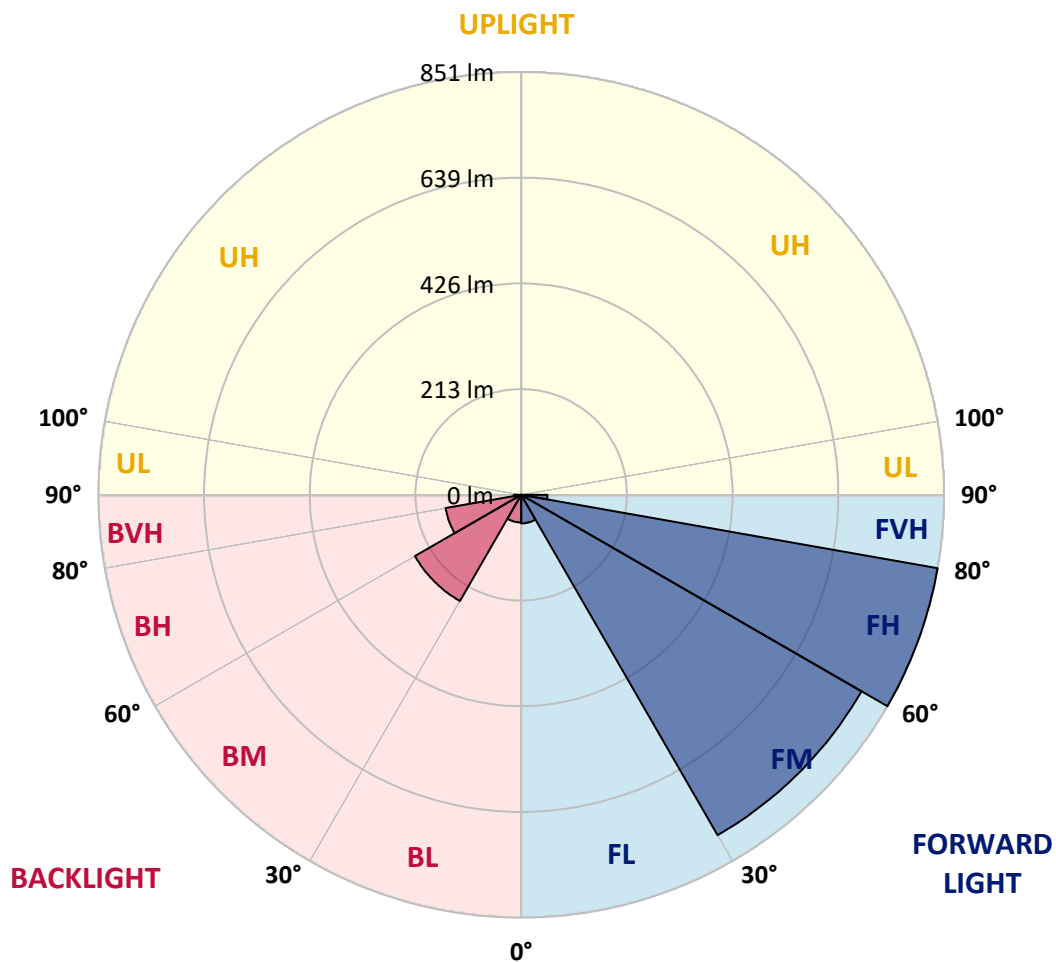
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.6	2.6			
FM (30°-60°)	791.2	35.6			
FH (60°-80°)	851.4	38.3			G1/1800
FVH (80°-90°)	52.9	2.4			G1/100
BL (0°-30°)	55.7	2.5	B0/110		
BM (30°-60°)	246.9	11.1	B1/1000		
BH (60°-80°)	154.6	6.9	B1/500		G1/500
BVH (80°-90°)	14.8	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.2	1.0	1.2	1.4	1.4	1.2	1.0	1.0	1.0	1.0	0.7
5°	19.4	14.1	12.7	11.3	6.7	2.4	1.4	1.0	1.0	1.0	1.0
7.5°	41.0	41.0	41.0	41.2	41.0	30.4	7.2	1.7	1.0	1.0	1.0
10°	41.4	41.2	41.0	41.2	41.7	41.9	40.5	5.7	2.4	2.2	2.2
12.5°	75.0	74.5	71.9	50.3	42.6	42.9	43.8	31.6	11.5	30.4	35.5
15°	79.5	79.0	79.0	79.3	75.2	46.7	65.9	86.2	61.3	73.3	74.5
17.5°	89.1	86.5	84.3	82.9	83.4	92.9	93.4	95.3	71.4	82.2	83.6
20°	136.5	135.6	127.9	98.0	91.5	120.7	107.6	105.9	133.7	145.2	147.6
22.5°	155.9	155.0	149.5	144.2	150.4	131.5	153.1	157.9	181.1	174.1	176.3
25°	211.7	211.0	180.4	167.0	183.5	151.1	189.0	180.8	200.0	223.0	225.4
27.5°	259.2	257.5	251.3	225.2	204.8	226.6	209.1	241.7	271.6	275.5	282.6
30°	307.8	296.8	277.6	278.6	252.2	249.8	249.1	290.1	291.0	297.0	309.2
32.5°	387.3	382.3	366.2	316.7	310.9	277.6	306.6	309.2	380.1	405.1	407.4
35°	451.0	429.5	414.4	386.4	342.8	353.6	341.6	389.0	417.0	433.1	442.9
37.5°	552.6	555.5	530.8	428.8	401.5	389.0	409.8	435.5	470.4	474.3	489.1
40°	625.7	623.7	590.4	515.2	454.2	441.5	455.4	480.5	527.9	532.7	536.3
42.5°	732.0	722.7	676.2	591.6	535.1	508.3	512.1	522.7	570.1	591.4	587.1
45°	830.5	824.2	777.3	673.1	611.8	580.4	574.6	565.3	622.3	650.8	642.9
47.5°	907.6	896.6	869.7	763.6	716.4	663.0	634.3	617.3	674.0	710.5	699.4
50°	990.2	973.5	949.3	853.5	807.0	759.3	696.1	674.8	732.3	768.4	759.6
52.5°	1045.1	1019.0	1003.9	933.5	890.6	848.9	756.2	741.8	796.2	830.9	829.0
55°	1017.5	1016.6	1031.9	987.4	945.7	901.6	818.7	818.0	863.0	898.7	900.4
57.5°	969.6	974.7	1018.3	1025.0	1007.2	955.5	896.1	903.3	941.6	974.7	978.3
60°	908.5	922.4	985.2	1020.6	1034.8	1009.2	970.6	981.6	1027.4	1055.9	1054.9
62.5°	827.8	839.1	917.2	997.4	1026.2	1050.4	1039.3	1074.8	1111.0	1137.8	1144.7
65°	732.5	737.0	821.6	929.9	1004.1	1071.4	1096.8	1161.3	1178.7	1219.9	1221.4
67.5°	626.9	628.3	701.8	830.9	956.2	1069.8	1145.7	1225.2	1220.7	1264.5	1261.1
69°	552.6	562.9	623.3	750.5	909.7	1059.5	1169.9	1246.3	1231.0	1273.8	1259.2
70°	500.4	499.7	568.7	682.2	868.8	1046.3	1185.2	1251.8	1231.2	1267.4	1245.3
72.5°	318.8	323.6	383.3	484.1	700.2	970.1	1204.1	1237.2	1204.9	1201.3	1154.1
75°	140.8	127.9	165.3	256.3	440.3	754.5	1158.6	1171.3	1129.9	1055.9	974.9
77.5°	49.3	51.3	62.3	104.2	212.0	449.6	960.3	1030.5	997.9	819.9	729.6
80°	35.2	35.5	41.7	58.2	102.8	158.6	611.3	745.4	767.9	540.6	464.7
82.5°	24.9	24.9	30.9	37.1	71.1	70.9	263.0	410.1	438.1	239.8	179.4
85°	20.8	21.3	23.7	21.6	41.7	36.2	64.9	126.5	103.7	29.2	25.6
87.5°	3.1	2.9	8.1	7.2	6.2	5.3	7.2	8.1	5.5	4.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.0	1.0	1.0	1.0	0.7	0.5	0.5	0.5	0.7	0.7	0.7
5°	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.7	1.9	2.2	2.2
7.5°	1.0	1.0	1.0	1.2	1.4	2.2	11.7	40.7	44.6	46.5	47.7
10°	1.9	2.2	2.2	2.2	5.3	45.0	53.7	55.6	57.5	58.4	58.2
12.5°	37.1	38.3	9.6	6.9	41.9	56.3	58.0	59.9	61.8	63.2	63.0
15°	76.4	78.3	75.2	77.8	82.6	61.1	62.5	105.9	114.7	116.4	116.7
17.5°	85.3	86.7	88.1	114.7	117.6	90.5	108.3	116.2	117.1	117.6	117.9
20°	162.4	161.7	130.8	125.8	124.6	157.1	115.0	117.1	140.1	159.5	160.5
22.5°	179.2	181.3	172.7	184.7	163.6	159.0	144.9	155.2	163.8	163.6	162.9
25°	232.3	235.2	198.1	192.1	196.2	158.1	180.8	155.0	157.4	157.6	159.0
27.5°	290.6	291.3	275.0	216.3	193.1	195.7	170.3	165.0	184.4	185.6	185.6
30°	316.4	321.0	290.6	250.6	200.0	184.9	165.0	179.9	171.3	172.7	172.7
32.5°	420.4	416.8	379.4	248.2	207.2	170.1	172.5	166.7	184.7	189.5	189.9
35°	447.7	440.3	381.6	277.4	193.3	173.7	157.6	169.3	169.3	169.1	167.9
37.5°	481.5	468.5	377.0	256.8	194.5	158.6	152.1	152.3	166.2	169.3	167.2
40°	521.5	502.1	376.3	239.8	176.3	150.2	139.6	146.6	146.4	142.3	139.9
42.5°	564.8	539.2	374.6	219.7	158.3	140.8	131.7	129.6	130.8	123.4	122.6
45°	615.6	577.5	369.8	201.9	144.0	130.8	120.5	117.1	117.6	111.9	110.4
47.5°	669.5	617.0	368.6	188.0	132.0	120.7	112.3	108.0	109.7	103.2	101.8
50°	729.6	657.8	364.6	175.1	118.8	111.4	105.2	100.1	100.4	95.3	94.1
52.5°	795.0	697.3	360.0	157.4	106.8	103.5	99.9	96.1	100.4	93.7	92.2
55°	862.1	745.4	354.0	136.8	96.1	97.5	93.9	96.8	103.0	92.5	90.5
57.5°	936.6	790.7	342.8	114.3	87.4	90.8	93.2	97.0	102.0	92.2	88.6
60°	1007.2	834.3	315.9	96.5	80.0	85.3	91.7	95.6	95.1	90.5	88.1
62.5°	1079.1	870.2	266.4	82.9	73.8	82.6	89.6	91.3	89.1	87.4	86.0
65°	1118.6	879.1	206.5	73.8	68.7	79.0	87.0	88.4	85.3	85.3	84.1
67.5°	1112.2	850.6	152.3	66.4	64.4	75.5	82.4	85.8	83.6	85.3	83.4
69°	1086.3	818.0	119.8	62.5	62.3	72.6	79.8	83.6	81.9	84.3	81.9
70°	1055.9	785.2	105.9	60.4	60.1	70.4	78.1	81.9	80.0	81.9	79.8
72.5°	939.2	673.8	75.9	54.4	55.1	66.1	74.0	76.9	75.2	75.7	72.8
75°	750.9	500.9	60.1	49.3	50.1	61.1	69.5	71.1	69.9	67.8	66.1
77.5°	527.9	322.9	49.3	44.8	45.0	55.1	64.7	64.4	62.5	60.4	58.2
80°	287.9	151.9	41.9	39.3	40.0	49.1	57.7	57.0	54.6	52.5	49.8
82.5°	124.6	61.3	32.6	31.4	33.5	41.2	49.6	47.7	45.5	46.5	36.2
85°	22.3	21.1	18.9	20.1	22.8	29.2	35.0	33.3	32.1	27.3	25.2
87.5°	1.9	2.9	2.9	3.6	5.0	5.5	9.8	7.2	7.4	2.9	1.4
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)