

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: P414850

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2187 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 31
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

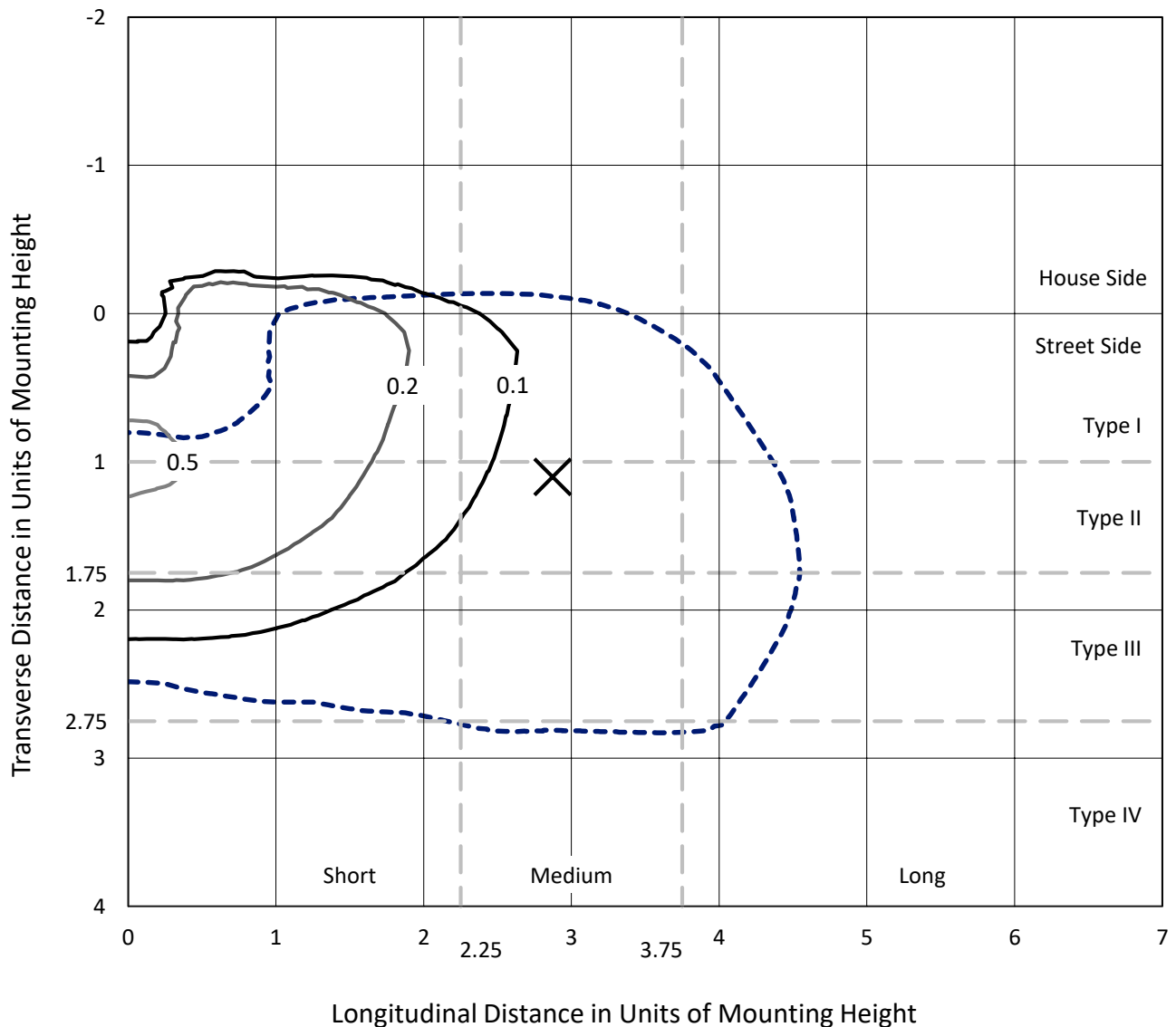


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

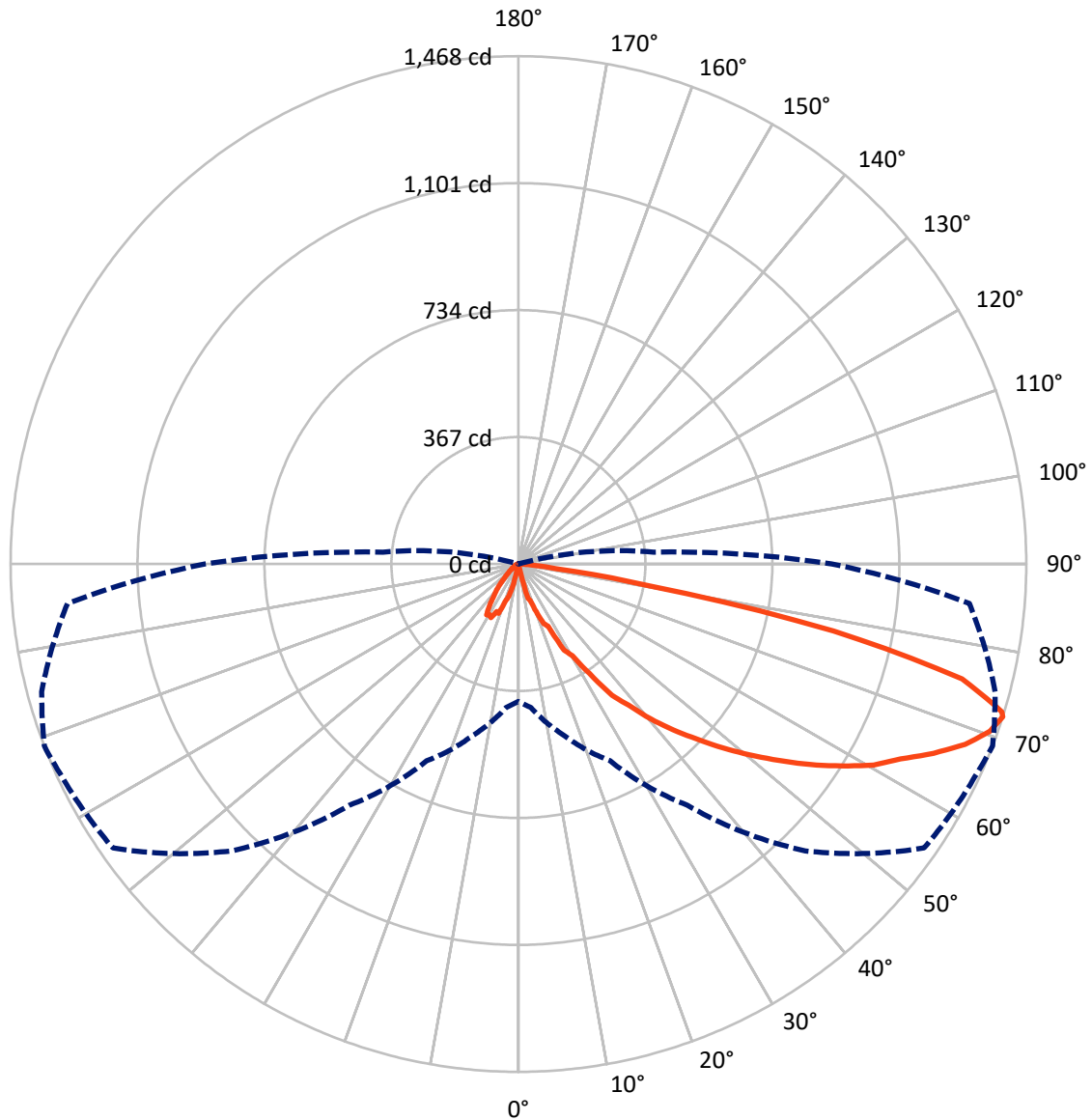


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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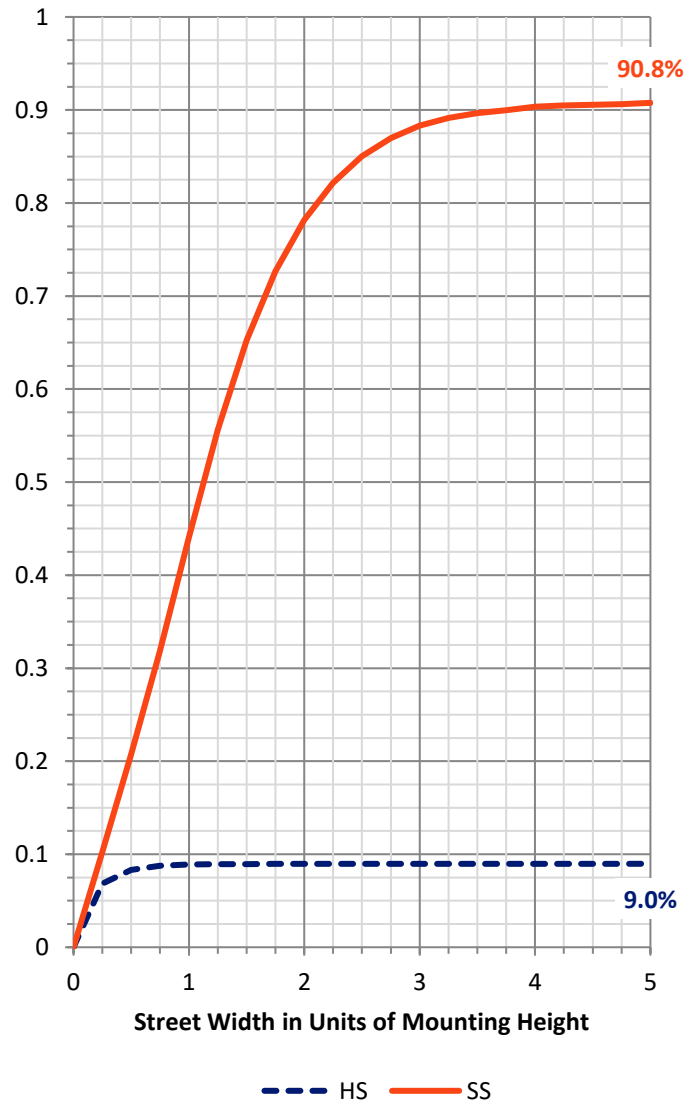
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	198.3	0.0	198.3
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	1988.7	0.0	1988.7
	% Fixture	90.9	0.0	90.9
Total	Lumens	2187.0	0.0	2187.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	19.0	0.9
20°-30°	68.1	3.1
30°-40°	174.0	8.0
40°-50°	344.3	15.7
50°-60°	542.5	24.8
60°-70°	631.0	28.9
70°-80°	383.0	17.5
80°-90°	23.7	1.1
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°	2187.0	100.0
0°-180°	2187.0	100.0



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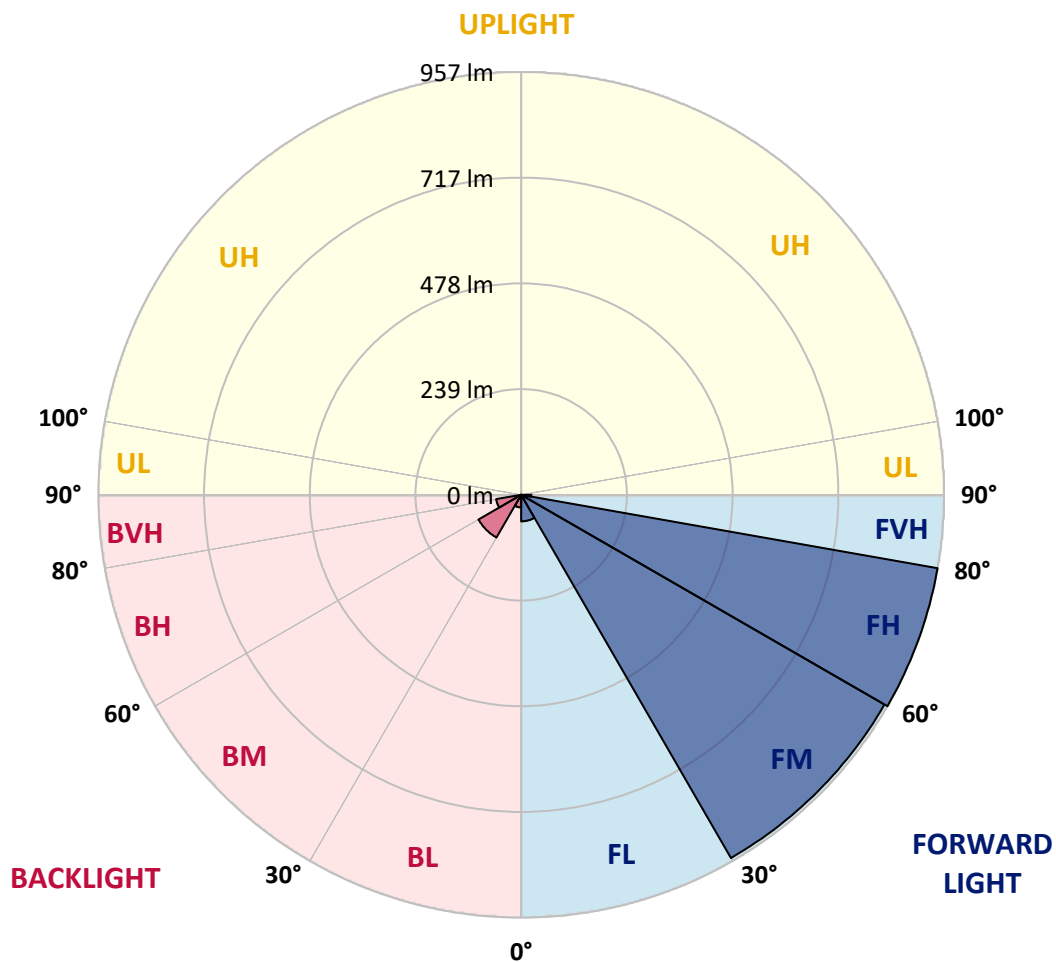
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.0	2.7			
FM	(30°-60°)	949.1	43.4			
FH	(60°-80°)	956.7	43.7			G1/1800
FVH	(80°-90°)	22.9	1.0			G1/100
BL	(0°-30°)	28.5	1.3	B0/110		
BM	(30°-60°)	111.6	5.1	B0/220		
BH	(60°-80°)	57.4	2.6	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.3	0.3	0.3	0.3	0.6	0.6	0.9	0.9	0.9	0.9	0.9
5°	30.5	19.9	14.9	12.4	6.2	1.6	0.9	0.9	0.9	0.9	0.9
7.5°	46.9	46.9	47.2	47.5	48.5	40.7	8.7	0.9	0.9	0.9	0.9
10°	45.4	45.1	45.1	45.7	46.9	48.2	49.4	6.5	1.6	0.9	0.9
12.5°	88.6	87.6	81.4	56.9	46.6	47.2	49.7	37.9	10.6	6.2	35.7
15°	87.6	87.3	88.0	89.5	90.1	50.3	73.7	100.1	102.2	69.0	83.6
17.5°	95.7	92.9	88.6	89.2	92.0	108.2	104.1	108.5	110.6	77.4	90.4
20°	132.4	132.1	132.7	104.1	97.3	137.1	120.6	117.8	146.4	153.2	170.0
22.5°	135.2	134.6	135.5	138.6	155.7	143.3	174.7	178.7	187.1	207.0	194.2
25°	189.3	189.3	155.4	144.8	177.5	161.9	216.3	203.3	198.9	222.2	249.9
27.5°	228.4	225.9	217.9	202.3	184.6	229.0	230.3	277.8	281.9	310.2	315.4
30°	289.3	285.9	264.5	252.4	229.0	240.9	268.8	330.4	308.0	330.7	353.7
32.5°	428.3	423.3	396.2	317.9	288.7	261.1	322.3	354.6	376.7	438.2	463.4
35°	554.7	522.4	485.4	425.8	349.9	339.4	347.8	439.8	465.9	484.8	510.3
37.5°	682.2	682.8	645.8	501.0	442.2	391.9	419.2	491.3	517.8	545.7	568.7
40°	784.4	768.9	719.5	613.2	521.8	471.5	474.9	541.7	588.6	623.7	628.4
42.5°	914.9	908.4	835.7	715.7	624.7	575.6	560.6	593.6	655.7	679.1	693.4
45°	1039.9	1030.2	968.4	832.6	734.7	679.7	659.2	659.5	720.7	745.6	766.1
47.5°	1133.4	1117.9	1084.6	940.1	873.0	793.4	750.8	734.7	794.4	826.7	838.2
50°	1231.3	1205.8	1179.4	1061.6	992.3	923.3	841.9	823.9	867.1	903.1	912.5
52.5°	1296.9	1259.9	1241.6	1148.3	1099.2	1055.4	933.0	912.8	943.5	986.1	978.6
55°	1263.6	1252.1	1272.0	1223.2	1175.7	1127.2	1032.1	1015.6	1023.7	1059.5	1041.7
57.5°	1194.3	1197.7	1256.5	1265.8	1244.4	1198.7	1121.0	1118.2	1101.7	1130.9	1107.9
60°	1121.9	1134.7	1216.4	1263.0	1278.6	1263.3	1214.8	1194.3	1179.7	1200.2	1182.2
62.5°	1025.0	1027.4	1137.1	1238.1	1265.5	1313.7	1280.4	1270.5	1240.3	1270.8	1263.3
65°	903.1	906.2	1009.4	1152.7	1226.3	1323.3	1331.7	1342.3	1319.0	1327.3	1351.0
67.5°	767.0	772.9	863.0	1001.3	1142.1	1304.3	1374.3	1394.5	1392.6	1390.1	1413.4
70°	620.9	625.0	698.3	819.5	1006.0	1252.1	1413.7	1439.5	1446.7	1429.3	1412.8
72°	397.2	416.8	513.7	628.1	851.5	1172.9	1431.5	1456.0	1468.4	1426.8	1308.7
72.5°	312.0	327.6	474.6	575.6	798.7	1154.5	1428.0	1450.4	1461.9	1413.1	1264.6
75°	67.1	69.0	148.6	279.7	503.8	884.5	1309.6	1312.4	1324.9	1231.3	865.8
77.5°	28.9	29.2	41.3	92.3	180.9	452.2	906.5	932.3	931.4	796.8	418.6
80°	20.2	20.8	24.6	42.3	86.1	130.8	442.9	445.7	383.5	285.0	104.4
82.5°	10.6	11.2	17.4	25.2	58.4	47.9	143.3	144.5	106.6	67.1	24.2
85°	1.9	2.8	8.4	15.2	22.7	19.3	31.4	39.5	34.2	26.7	10.3
87.5°	0.3	0.3	2.2	2.2	3.1	1.9	3.1	3.4	3.7	5.6	2.8
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	28.6	38.5	41.0	43.8
10°	0.9	1.2	0.9	0.9	0.6	39.2	48.2	48.8	49.4	49.4	49.1
12.5°	39.5	40.4	14.3	2.8	36.4	49.7	47.2	43.2	39.5	38.2	37.9
15°	84.5	84.8	76.8	66.2	70.5	46.9	37.0	42.0	42.6	41.0	41.0
17.5°	91.1	91.1	87.0	106.3	89.2	46.9	38.8	32.0	27.3	26.1	25.8
20°	180.3	157.9	127.7	107.8	72.7	52.5	27.3	23.3	22.7	22.7	23.6
22.5°	194.5	191.8	166.3	145.4	62.5	37.0	26.7	26.7	31.7	31.1	30.8
25°	253.9	250.2	188.3	126.5	62.5	31.7	33.9	29.8	29.2	28.6	28.0
27.5°	321.0	313.3	264.8	114.4	44.1	33.3	32.3	28.3	33.6	33.6	33.3
30°	365.5	336.3	266.6	102.6	37.3	35.4	30.5	32.9	29.8	28.0	28.0
32.5°	473.6	460.3	326.0	72.4	35.4	32.0	32.0	28.3	25.2	26.1	25.8
35°	507.8	490.4	290.3	54.4	32.6	29.5	26.7	24.9	21.4	19.3	19.0
37.5°	550.1	527.4	243.7	42.0	32.0	26.1	22.1	19.0	16.5	16.5	16.2
40°	602.0	567.5	199.2	35.7	28.3	22.4	17.1	14.6	13.1	12.1	11.8
42.5°	658.9	605.4	153.2	32.3	24.6	18.3	12.7	10.6	9.6	9.3	9.3
45°	718.8	640.5	110.0	29.5	21.4	14.3	9.3	7.5	7.1	7.1	7.1
47.5°	780.1	666.0	74.9	26.7	18.0	10.6	6.8	5.6	5.6	5.3	5.3
50°	840.0	683.4	51.6	23.9	14.6	7.5	5.0	4.7	4.7	4.4	4.4
52.5°	883.5	679.4	38.5	20.8	11.5	5.6	4.0	3.7	3.7	3.7	3.7
55°	925.8	670.4	31.7	17.7	8.7	4.0	3.1	2.8	2.8	2.8	2.8
57.5°	969.3	658.2	27.3	14.3	6.2	3.1	2.2	2.2	2.2	2.2	2.2
60°	1005.4	634.6	23.6	11.5	4.4	2.2	1.9	1.6	1.6	1.6	1.6
62.5°	1045.5	610.7	20.2	8.7	3.1	1.6	1.2	0.9	0.9	0.6	0.9
65°	1074.1	581.5	16.5	6.2	2.2	1.2	0.9	0.6	0.3	0.0	0.3
67.5°	1073.4	542.6	11.8	4.0	1.6	0.9	0.6	0.3	0.0	0.0	0.0
70°	1026.5	487.0	8.1	2.8	1.2	0.6	0.6	0.3	0.0	0.0	0.0
72°	905.9	392.8	6.2	2.5	1.2	0.6	0.6	0.3	0.0	0.0	0.0
72.5°	863.7	360.5	5.6	2.2	1.2	0.6	0.6	0.3	0.0	0.0	0.0
75°	548.5	150.1	4.4	1.9	1.2	0.6	0.6	0.3	0.3	0.3	0.0
77.5°	254.8	55.0	3.1	1.6	0.9	0.6	0.6	0.3	0.3	0.6	0.0
80°	55.6	16.2	2.2	1.6	0.9	0.6	0.6	0.6	0.6	0.9	0.0
82.5°	12.7	5.3	1.9	1.2	0.9	0.6	0.6	0.6	0.6	0.9	0.0
85°	4.7	3.1	1.9	1.6	1.2	0.6	0.6	0.9	0.9	1.2	0.0
87.5°	1.9	1.9	1.6	1.6	1.2	0.6	0.9	0.9	1.2	1.2	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)