

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: P414902

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414902
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-PA1-30-830-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 2364 lumens
Efficiency: N/A
Efficacy: 76.3 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

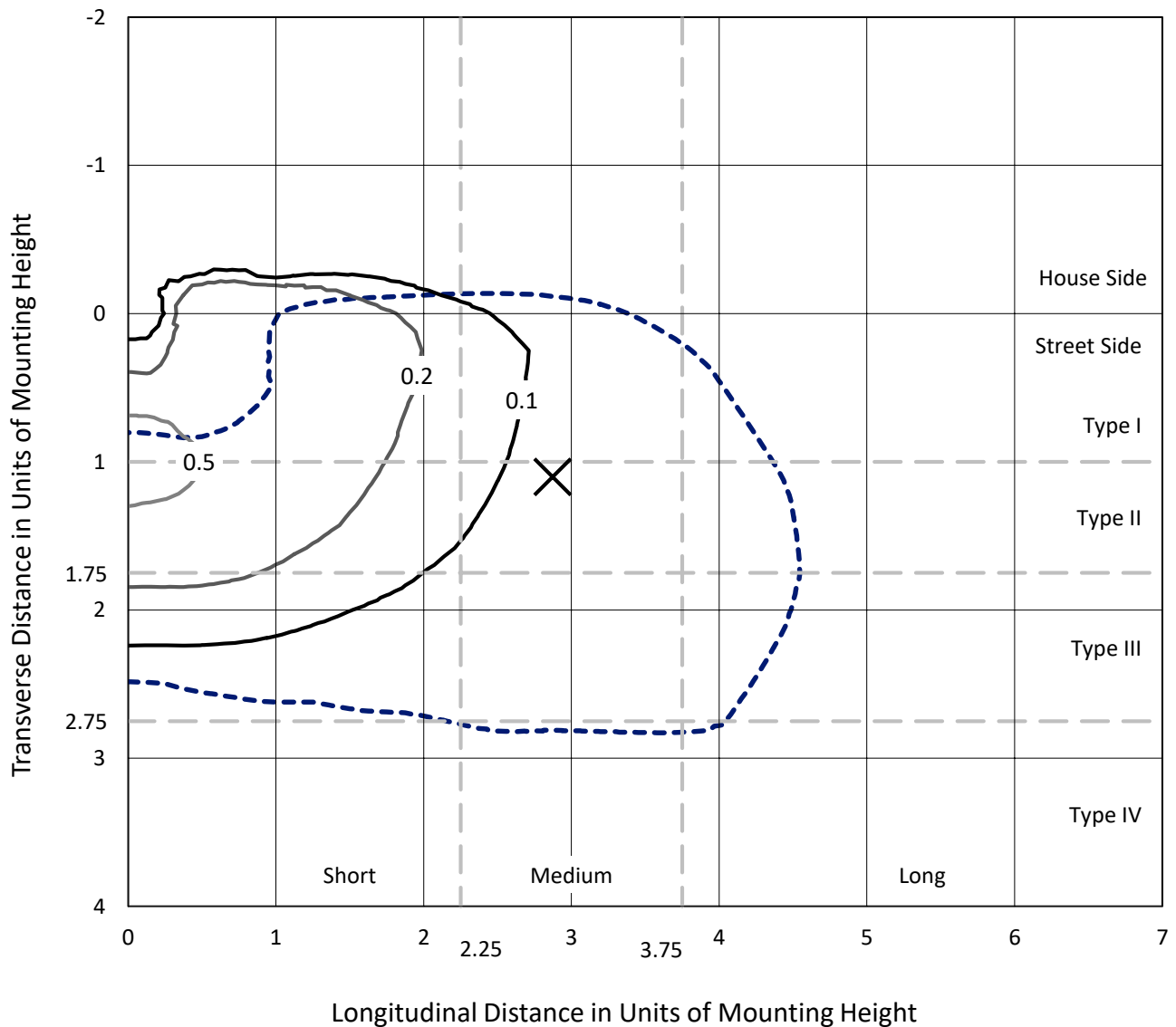


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

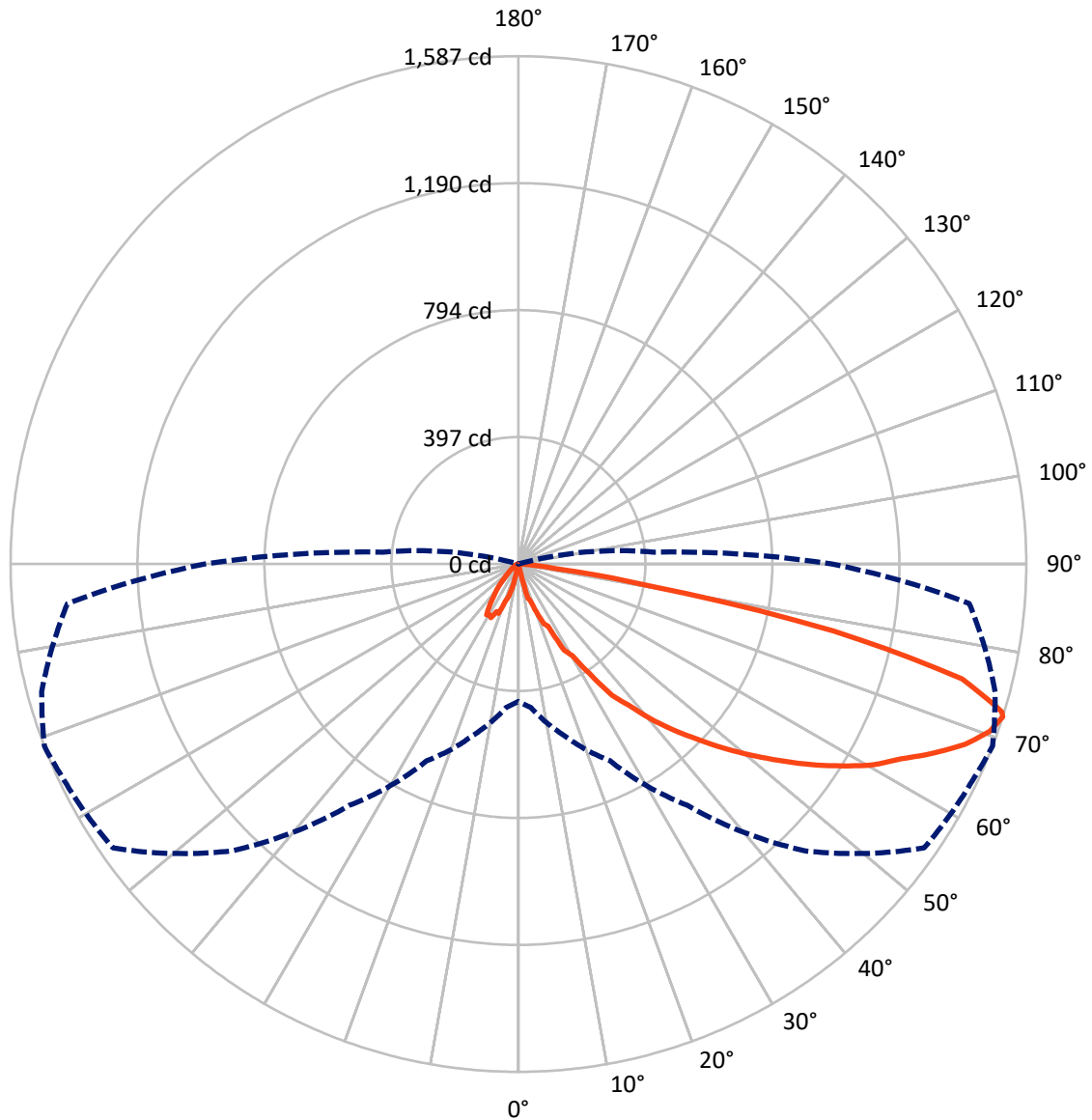


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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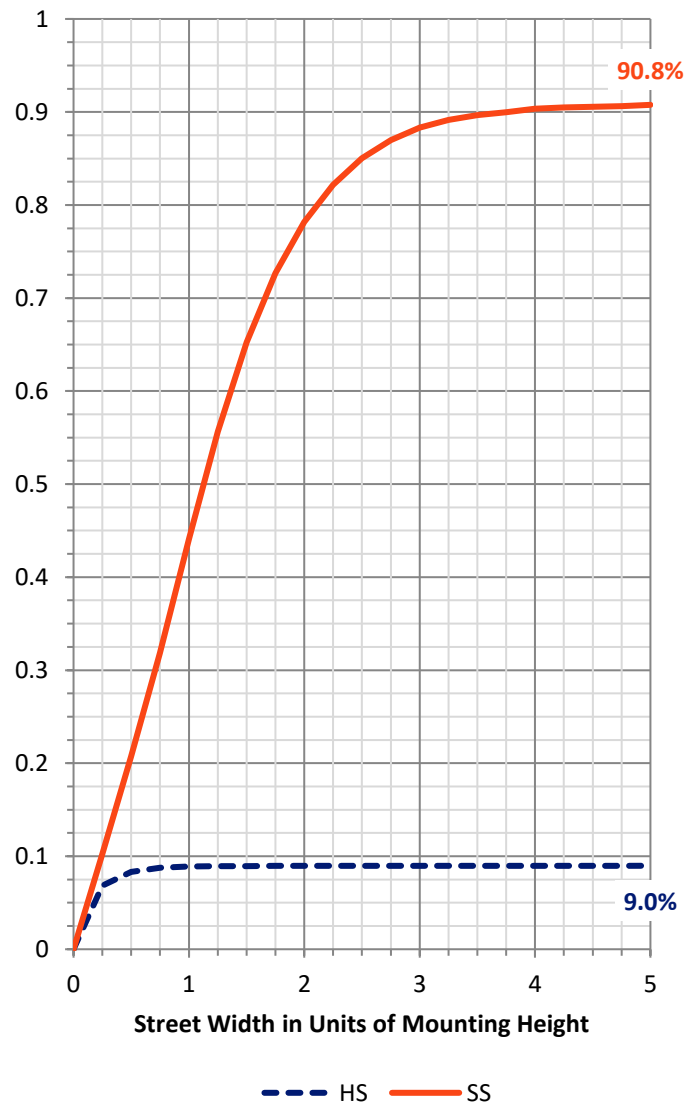
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	214.4	0.0	214.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2149.6	0.0	2149.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	2364.0	0.0	2364.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	20.5	0.9
20°-30°	73.6	3.1
30°-40°	188.0	8.0
40°-50°	372.1	15.7
50°-60°	586.4	24.8
60°-70°	682.1	28.9
70°-80°	414.0	17.5
80°-90°	25.6	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°	2364.0	100.0
0°-180°	2364.0	100.0



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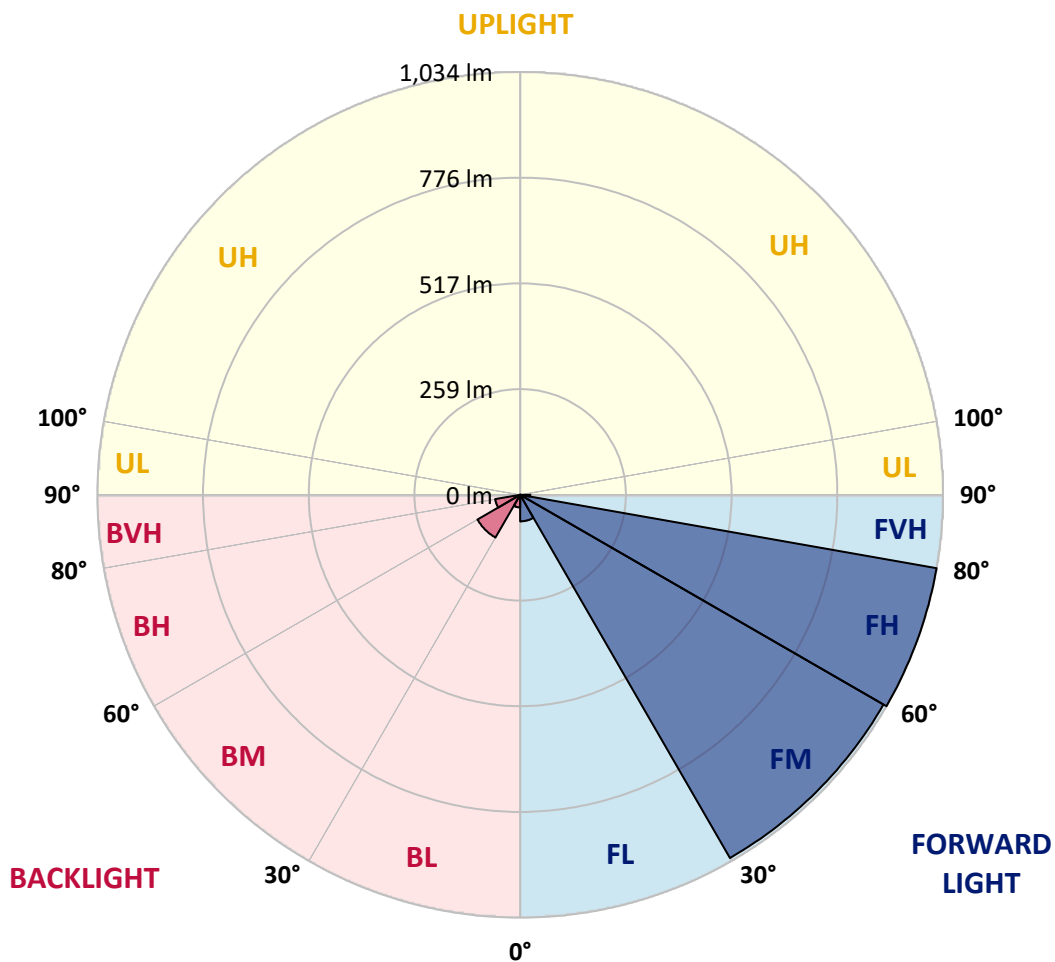
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.9	2.7			
FM (30°-60°)	1025.9	43.4			
FH (60°-80°)	1034.1	43.7			G1/1800
FVH (80°-90°)	24.7	1.0			G1/100
BL (0°-30°)	30.8	1.3	B0/110		
BM (30°-60°)	120.7	5.1	B0/220		
BH (60°-80°)	62.0	2.6	B0/110		G0/110
BVH (80°-90°)	0.9	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.3	0.3	0.3	0.3	0.7	0.7	1.0	1.0	1.0	1.0	1.0
5°	32.9	21.5	16.1	13.4	6.7	1.7	1.0	1.0	1.0	1.0	1.0
7.5°	50.7	50.7	51.1	51.4	52.4	44.0	9.4	1.0	1.0	1.0	1.0
10°	49.0	48.7	48.7	49.4	50.7	52.1	53.4	7.1	1.7	1.0	1.0
12.5°	95.7	94.7	88.0	61.5	50.4	51.1	53.7	41.0	11.4	6.7	38.6
15°	94.7	94.4	95.1	96.7	97.4	54.4	79.6	108.2	110.5	74.6	90.4
17.5°	103.5	100.4	95.7	96.4	99.4	116.9	112.5	117.2	119.6	83.6	97.8
20°	143.1	142.8	143.4	112.5	105.1	148.1	130.3	127.3	158.2	165.6	183.8
22.5°	146.1	145.5	146.5	149.8	168.3	154.9	188.8	193.2	202.2	223.7	210.0
25°	204.6	204.6	168.0	156.5	191.8	175.0	233.8	219.7	215.0	240.2	270.1
27.5°	246.9	244.2	235.5	218.7	199.5	247.6	248.9	300.3	304.7	335.3	341.0
30°	312.8	309.1	285.9	272.8	247.6	260.3	290.6	357.1	332.9	357.4	382.3
32.5°	462.9	457.5	428.3	343.7	312.1	282.2	348.4	383.3	407.2	473.7	500.9
35°	599.6	564.7	524.7	460.2	378.3	366.8	375.9	475.3	503.6	524.1	551.6
37.5°	737.4	738.0	698.1	541.5	478.0	423.6	453.2	531.1	559.7	589.9	614.8
40°	847.9	831.1	777.7	662.8	564.0	509.6	513.3	585.5	636.3	674.2	679.3
42.5°	989.0	981.9	903.3	773.7	675.2	622.1	606.0	641.6	708.8	734.0	749.5
45°	1124.0	1113.6	1046.8	900.0	794.1	734.7	712.5	712.8	779.0	805.9	828.1
47.5°	1225.1	1208.4	1172.4	1016.2	943.6	857.6	811.6	794.1	858.6	893.6	906.0
50°	1331.0	1303.4	1274.9	1147.5	1072.6	998.1	910.0	890.6	937.3	976.2	986.3
52.5°	1401.8	1361.9	1342.1	1241.3	1188.2	1140.8	1008.5	986.6	1019.9	1065.9	1057.9
55°	1365.9	1353.5	1375.0	1322.2	1270.8	1218.4	1115.6	1097.8	1106.6	1145.2	1126.0
57.5°	1291.0	1294.7	1358.2	1368.3	1345.1	1295.7	1211.7	1208.7	1190.9	1222.5	1197.6
60°	1212.7	1226.5	1314.8	1365.2	1382.0	1365.6	1313.2	1291.0	1275.2	1297.4	1277.9
62.5°	1107.9	1110.6	1229.2	1338.4	1367.9	1420.0	1384.0	1373.3	1340.7	1373.6	1365.6
65°	976.2	979.6	1091.1	1246.0	1325.6	1430.4	1439.5	1450.9	1425.7	1434.8	1460.3
67.5°	829.1	835.5	932.9	1082.4	1234.6	1409.9	1485.5	1507.3	1505.3	1502.6	1527.8
70°	671.2	675.6	754.8	885.9	1087.4	1353.5	1528.2	1556.0	1563.8	1545.0	1527.2
72°	429.3	450.5	555.3	678.9	920.5	1267.8	1547.3	1573.8	1587.3	1542.3	1414.6
72.5°	337.3	354.1	513.0	622.1	863.3	1248.0	1543.6	1567.8	1580.2	1527.5	1366.9
75°	72.6	74.6	160.6	302.3	544.5	956.1	1415.6	1418.6	1432.1	1331.0	935.9
77.5°	31.2	31.6	44.7	99.8	195.5	488.8	979.9	1007.8	1006.8	861.3	452.5
80°	21.8	22.5	26.5	45.7	93.1	141.4	478.7	481.7	414.5	308.1	112.9
82.5°	11.4	12.1	18.8	27.2	63.2	51.7	154.9	156.2	115.2	72.6	26.2
85°	2.0	3.0	9.1	16.5	24.5	20.8	33.9	42.7	37.0	28.9	11.1
87.5°	0.3	0.3	2.4	2.4	3.4	2.0	3.4	3.7	4.0	6.0	3.0
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°	0.7	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	0.3	0.0	0.0	0.0	0.0	0.0
5°	1.0	1.0	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.0	30.9	41.7	44.3	47.4
10°	1.0	1.3	1.0	1.0	0.7	42.3	52.1	52.7	53.4	53.4	53.1
12.5°	42.7	43.7	15.5	3.0	39.3	53.7	51.1	46.7	42.7	41.3	41.0
15°	91.4	91.7	83.0	71.6	76.3	50.7	40.0	45.4	46.0	44.3	44.3
17.5°	98.4	98.4	94.1	114.9	96.4	50.7	42.0	34.6	29.6	28.2	27.9
20°	194.8	170.7	138.1	116.6	78.6	56.8	29.6	25.2	24.5	24.5	25.5
22.5°	210.3	207.3	179.7	157.2	67.5	40.0	28.9	28.9	34.3	33.6	33.3
25°	274.5	270.4	203.6	136.7	67.5	34.3	36.6	32.2	31.6	30.9	30.2
27.5°	347.0	338.6	286.2	123.6	47.7	35.9	34.9	30.6	36.3	36.3	35.9
30°	395.1	363.5	288.2	110.9	40.3	38.3	32.9	35.6	32.2	30.2	30.2
32.5°	512.0	497.5	352.4	78.3	38.3	34.6	34.6	30.6	27.2	28.2	27.9
35°	548.9	530.1	313.8	58.8	35.3	31.9	28.9	26.9	23.2	20.8	20.5
37.5°	594.6	570.1	263.4	45.4	34.6	28.2	23.9	20.5	17.8	17.8	17.5
40°	650.7	613.4	215.3	38.6	30.6	24.2	18.5	15.8	14.1	13.1	12.8
42.5°	712.2	654.4	165.6	34.9	26.5	19.8	13.8	11.4	10.4	10.1	10.1
45°	777.0	692.4	118.9	31.9	23.2	15.5	10.1	8.1	7.7	7.7	7.7
47.5°	843.2	719.9	81.0	28.9	19.5	11.4	7.4	6.0	6.0	5.7	5.7
50°	908.0	738.7	55.8	25.9	15.8	8.1	5.4	5.0	5.0	4.7	4.7
52.5°	955.1	734.3	41.7	22.5	12.4	6.0	4.4	4.0	4.0	4.0	4.0
55°	1000.7	724.6	34.3	19.1	9.4	4.4	3.4	3.0	3.0	3.0	3.0
57.5°	1047.8	711.5	29.6	15.5	6.7	3.4	2.4	2.4	2.4	2.4	2.4
60°	1086.7	686.0	25.5	12.4	4.7	2.4	2.0	1.7	1.7	1.7	1.7
62.5°	1130.1	660.1	21.8	9.4	3.4	1.7	1.3	1.0	1.0	0.7	1.0
65°	1161.0	628.5	17.8	6.7	2.4	1.3	1.0	0.7	0.3	0.0	0.3
67.5°	1160.3	586.5	12.8	4.4	1.7	1.0	0.7	0.3	0.0	0.0	0.0
70°	1109.6	526.4	8.7	3.0	1.3	0.7	0.7	0.3	0.0	0.0	0.0
72°	979.2	424.6	6.7	2.7	1.3	0.7	0.7	0.3	0.0	0.0	0.0
72.5°	933.6	389.7	6.0	2.4	1.3	0.7	0.7	0.3	0.0	0.0	0.0
75°	592.9	162.3	4.7	2.0	1.3	0.7	0.7	0.3	0.3	0.3	0.0
77.5°	275.5	59.5	3.4	1.7	1.0	0.7	0.7	0.3	0.3	0.7	0.0
80°	60.1	17.5	2.4	1.7	1.0	0.7	0.7	0.7	0.7	1.0	0.0
82.5°	13.8	5.7	2.0	1.3	1.0	0.7	0.7	0.7	0.7	1.0	0.0
85°	5.0	3.4	2.0	1.7	1.3	0.7	0.7	1.0	1.0	1.3	0.0
87.5°	2.0	2.0	1.7	1.7	1.3	0.7	1.0	1.0	1.3	1.3	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)