

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: P417242

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417242
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-PA1-90-750-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 7587 lumens
Efficiency: N/A
Efficacy: 80.7 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 - G2

Input Watts (W): 94
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

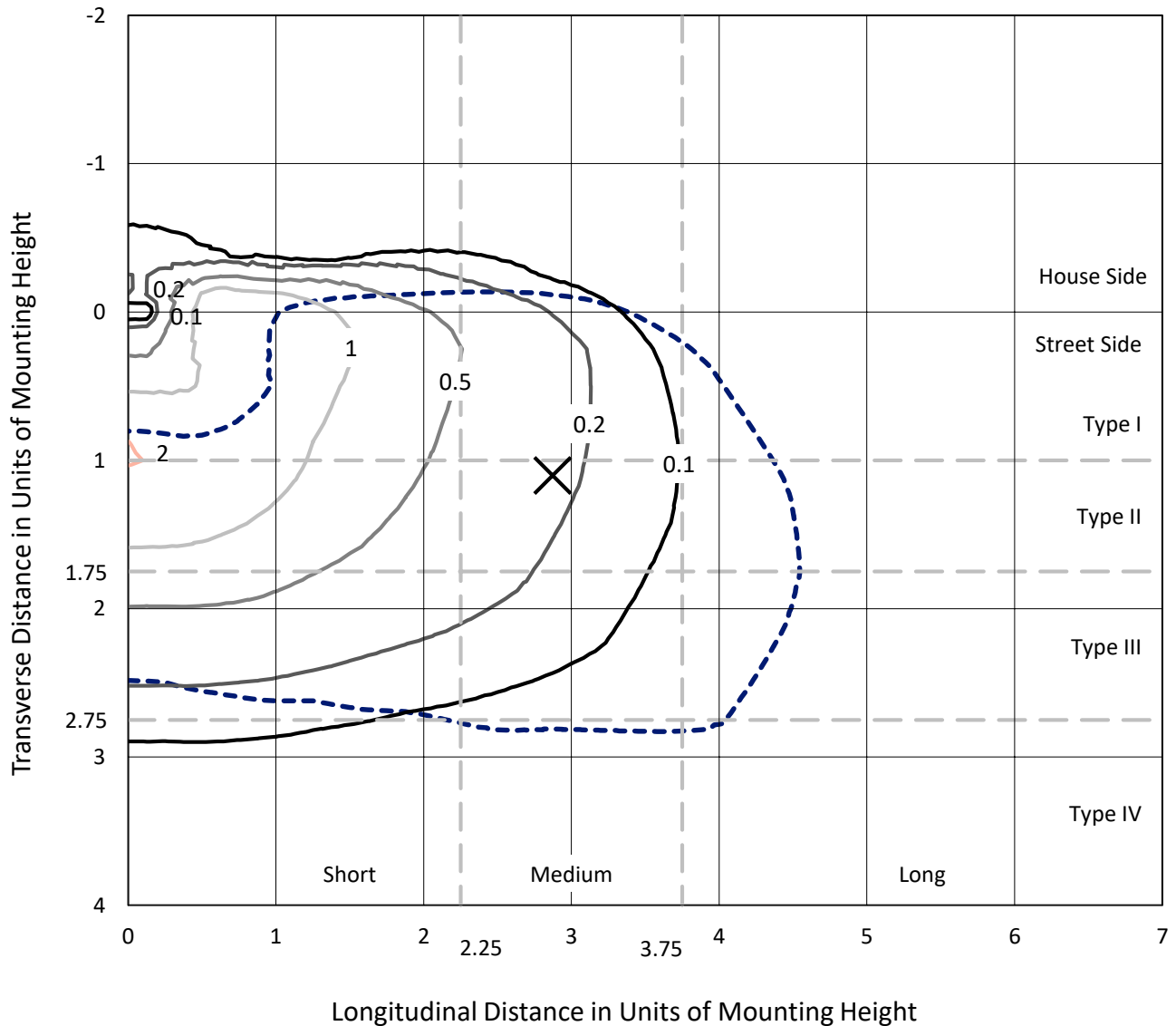


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

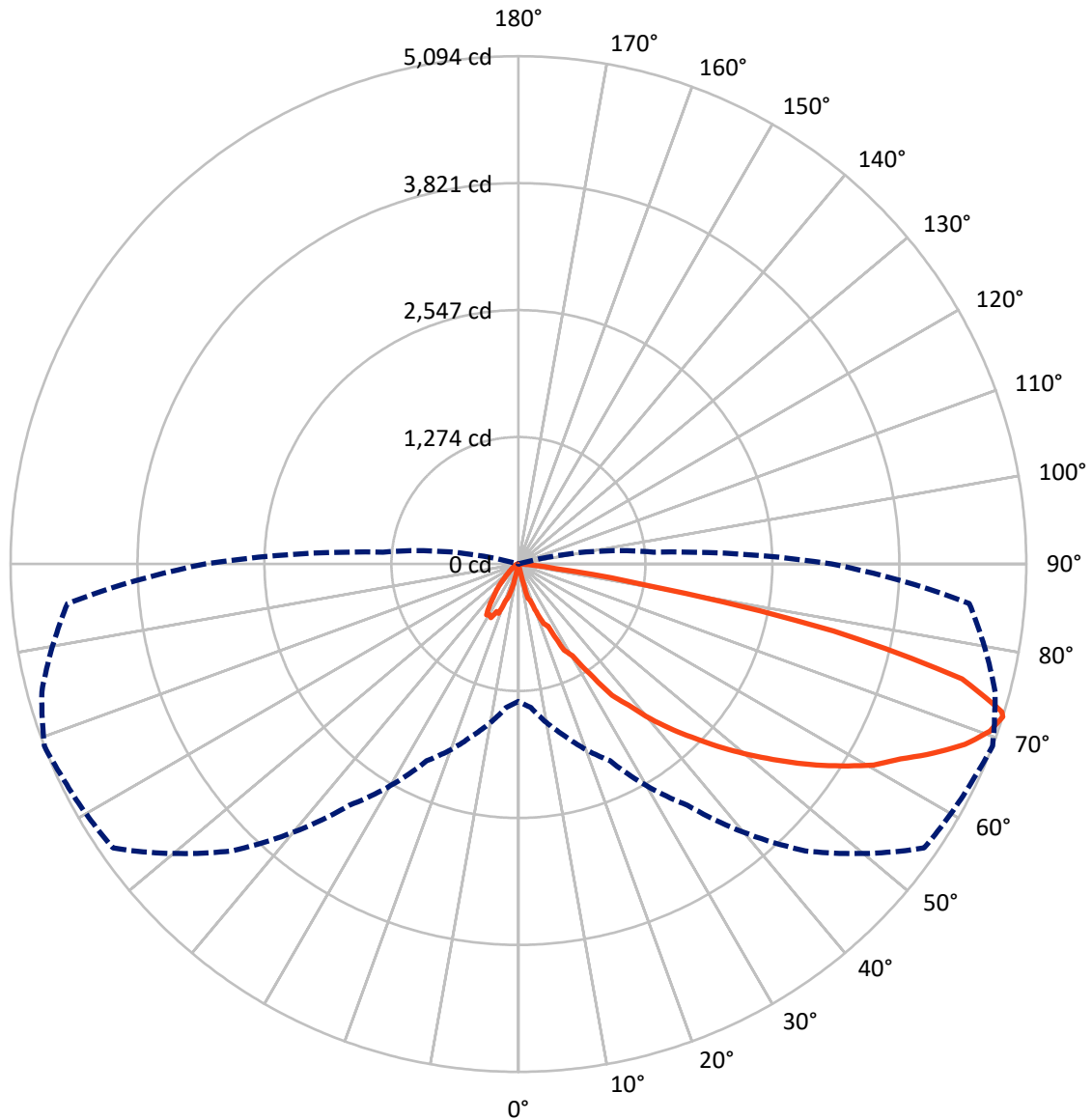


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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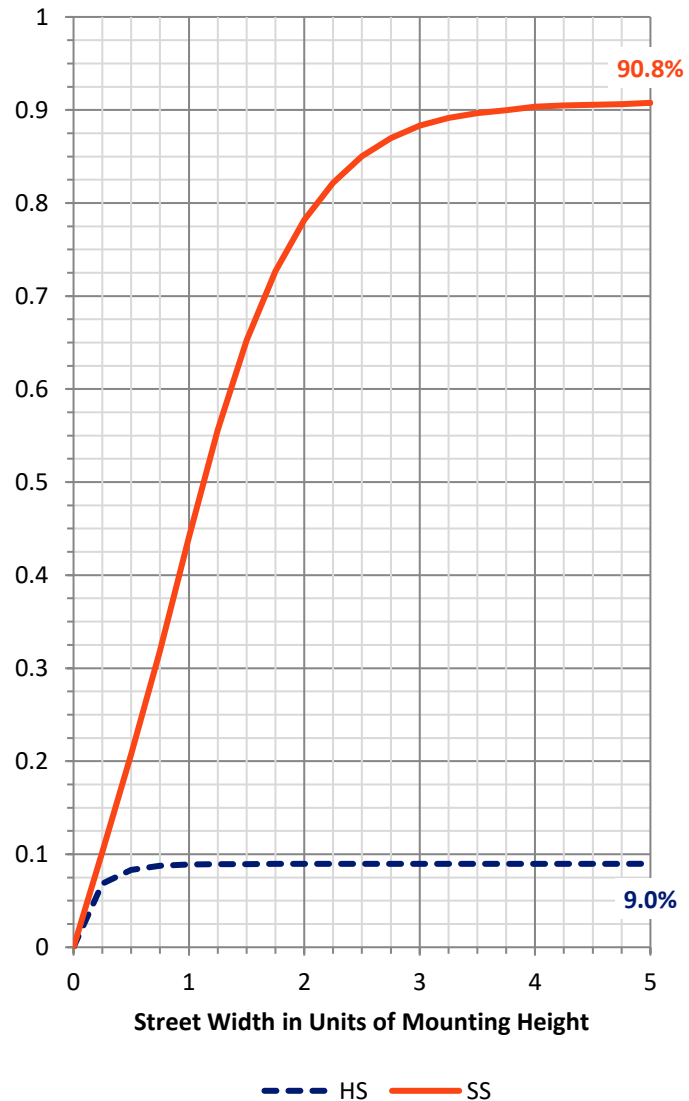
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	688.0	0.0	688.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	6899.0	0.0	6899.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	7587.0	0.0	7587.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	65.9	0.9
20°-30°	236.3	3.1
30°-40°	603.5	8.0
40°-50°	1194.3	15.7
50°-60°	1882.0	24.8
60°-70°	2189.0	28.9
70°-80°	1328.8	17.5
80°-90°	82.2	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°	7587.0	100.0
0°-180°	7587.0	100.0



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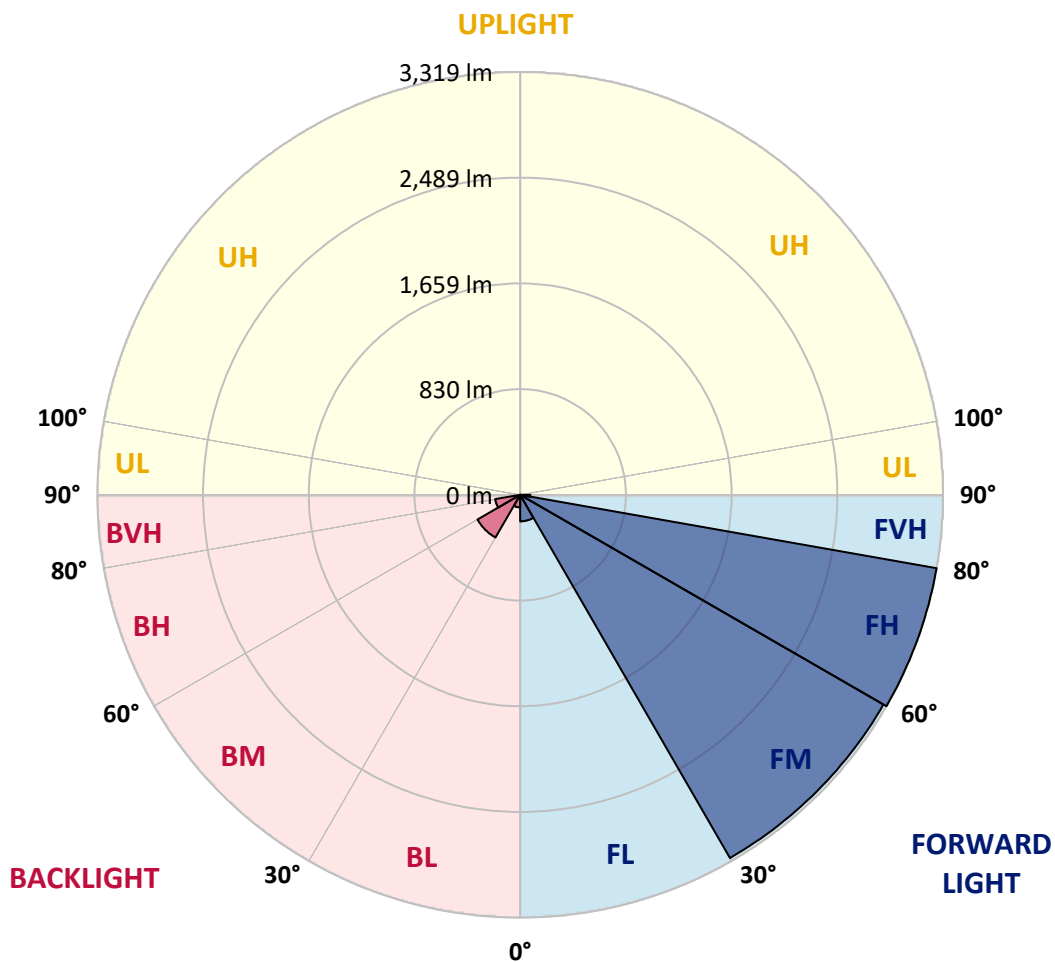
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.3	2.7			
FM	(30°-60°)	3292.5	43.4			
FH	(60°-80°)	3318.8	43.7			G2/5000
FVH	(80°-90°)	79.4	1.0			G1/100
BL	(0°-30°)	98.8	1.3	B0/110		
BM	(30°-60°)	387.3	5.1	B1/1000		
BH	(60°-80°)	199.1	2.6	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.1	1.1	1.1	1.1	2.2	2.2	3.2	3.2	3.2	3.2	3.2
5°	105.7	69.0	51.8	43.1	21.6	5.4	3.2	3.2	3.2	3.2	3.2
7.5°	162.8	162.8	163.9	165.0	168.2	141.2	30.2	3.2	3.2	3.2	3.2
10°	157.4	156.3	156.3	158.5	162.8	167.1	171.4	22.6	5.4	3.2	3.2
12.5°	307.3	304.0	282.5	197.3	161.7	163.9	172.5	131.5	36.7	21.6	124.0
15°	304.0	303.0	305.1	310.5	312.7	174.7	255.5	347.2	354.7	239.3	290.0
17.5°	332.1	322.4	307.3	309.4	319.1	375.2	361.2	376.3	383.8	268.5	313.7
20°	459.3	458.2	460.4	361.2	337.5	475.5	418.3	408.6	507.8	531.5	589.7
22.5°	469.0	466.8	470.1	480.9	540.1	497.0	605.9	619.9	649.0	718.0	673.8
25°	656.6	656.6	539.1	502.4	615.6	561.7	750.4	705.1	690.0	770.9	866.8
27.5°	792.4	783.8	755.8	701.9	640.4	794.6	798.9	963.9	977.9	1076.0	1094.3
30°	1003.7	991.9	917.5	875.4	794.6	835.6	932.6	1146.1	1068.4	1147.1	1226.9
32.5°	1485.7	1468.4	1374.6	1102.9	1001.6	905.6	1118.0	1230.2	1306.7	1520.2	1607.5
35°	1924.5	1812.4	1684.1	1477.1	1214.0	1177.3	1206.4	1525.6	1616.1	1681.9	1770.3
37.5°	2366.5	2368.7	2240.4	1738.0	1534.2	1359.5	1454.4	1704.5	1796.2	1893.2	1973.0
40°	2721.2	2667.3	2495.9	2127.2	1810.2	1635.5	1647.4	1879.2	2042.0	2163.8	2180.0
42.5°	3174.0	3151.4	2899.1	2483.0	2167.1	1996.7	1945.0	2059.2	2274.9	2355.7	2405.3
45°	3607.5	3574.0	3359.5	2888.3	2548.7	2357.9	2286.7	2287.8	2500.2	2586.5	2657.6
47.5°	3932.0	3878.1	3762.7	3261.4	3028.5	2752.5	2604.8	2548.7	2755.7	2867.9	2907.7
50°	4271.6	4183.2	4091.5	3682.9	3442.5	3203.2	2920.7	2858.1	3008.0	3133.1	3165.4
52.5°	4499.1	4370.8	4307.2	3983.7	3813.4	3661.4	3236.6	3166.5	3273.2	3420.9	3395.1
55°	4383.7	4343.8	4412.8	4243.6	4078.6	3910.4	3580.5	3523.4	3551.4	3675.4	3613.9
57.5°	4143.3	4155.2	4358.9	4391.3	4316.9	4158.4	3888.8	3879.1	3822.0	3923.4	3843.6
60°	3892.1	3936.3	4219.8	4381.6	4435.5	4382.6	4214.4	4143.3	4092.6	4163.8	4101.2
62.5°	3555.7	3564.3	3944.9	4295.3	4390.2	4557.3	4441.9	4407.4	4302.9	4408.5	4382.6
65°	3133.1	3143.9	3501.8	3998.8	4254.3	4590.7	4619.8	4656.5	4575.6	4604.7	4686.7
67.5°	2660.8	2681.3	2994.0	3473.8	3962.2	4525.0	4767.5	4837.6	4831.1	4822.5	4903.4
70°	2154.1	2168.1	2422.6	2843.1	3489.9	4343.8	4904.5	4993.9	5018.7	4958.4	4901.2
72°	1377.9	1445.8	1782.2	2178.9	2954.1	4068.9	4965.9	5051.1	5094.2	4949.7	4540.0
72.5°	1082.5	1136.4	1646.3	1996.7	2770.8	4005.3	4954.1	5031.7	5071.6	4902.3	4387.0
75°	232.9	239.3	515.4	970.3	1747.7	3068.4	4543.3	4553.0	4596.1	4271.6	3003.7
77.5°	100.3	101.3	143.4	320.2	627.5	1568.7	3144.9	3234.4	3231.2	2764.3	1452.3
80°	70.1	72.2	85.2	146.6	298.6	453.9	1536.3	1546.1	1330.4	988.7	362.3
82.5°	36.7	38.8	60.4	87.3	202.7	166.0	497.0	501.3	369.8	232.9	84.1
85°	6.5	9.7	29.1	52.8	78.7	66.8	108.9	136.9	118.6	92.7	35.6
87.5°	1.1	1.1	7.5	7.5	10.8	6.5	10.8	11.9	12.9	19.4	9.7
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.2	3.2	3.2	3.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
5°	3.2	3.2	3.2	3.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
7.5°	3.2	3.2	3.2	3.2	2.2	1.1	0.0	99.2	133.7	142.3	152.0
10°	3.2	4.3	3.2	3.2	2.2	135.8	167.1	169.3	171.4	171.4	170.3
12.5°	136.9	140.2	49.6	9.7	126.1	172.5	163.9	149.9	136.9	132.6	131.5
15°	293.3	294.3	266.3	229.6	244.7	162.8	128.3	145.5	147.7	142.3	142.3
17.5°	315.9	315.9	301.9	368.7	309.4	162.8	134.8	111.0	94.9	90.6	89.5
20°	625.3	547.7	443.1	374.1	252.3	182.2	94.9	80.9	78.7	78.7	81.9
22.5°	674.9	665.2	576.8	504.6	216.7	128.3	92.7	92.7	110.0	107.8	106.7
25°	880.8	867.9	653.4	438.8	216.7	110.0	117.5	103.5	101.3	99.2	97.0
27.5°	1113.7	1086.8	918.6	396.8	153.1	115.4	112.1	98.1	116.4	116.4	115.4
30°	1267.9	1166.5	925.0	355.8	129.4	122.9	105.7	114.3	103.5	97.0	97.0
32.5°	1643.1	1596.7	1131.0	251.2	122.9	111.0	111.0	98.1	87.3	90.6	89.5
35°	1761.7	1701.3	1007.0	188.7	113.2	102.4	92.7	86.3	74.4	66.8	65.8
37.5°	1908.3	1829.6	845.3	145.5	111.0	90.6	76.5	65.8	57.1	57.1	56.1
40°	2088.4	1968.7	691.1	124.0	98.1	77.6	59.3	50.7	45.3	42.0	41.0
42.5°	2285.7	2100.2	531.5	112.1	85.2	63.6	44.2	36.7	33.4	32.3	32.3
45°	2493.7	2222.0	381.7	102.4	74.4	49.6	32.3	25.9	24.8	24.8	24.8
47.5°	2706.1	2310.5	259.8	92.7	62.5	36.7	23.7	19.4	19.4	18.3	18.3
50°	2914.2	2370.8	179.0	83.0	50.7	25.9	17.3	16.2	16.2	15.1	15.1
52.5°	3065.2	2356.8	133.7	72.2	39.9	19.4	14.0	12.9	12.9	12.9	12.9
55°	3211.8	2325.5	110.0	61.5	30.2	14.0	10.8	9.7	9.7	9.7	9.7
57.5°	3362.7	2283.5	94.9	49.6	21.6	10.8	7.5	7.5	7.5	7.5	7.5
60°	3487.8	2201.6	81.9	39.9	15.1	7.5	6.5	5.4	5.4	5.4	5.4
62.5°	3626.9	2118.5	70.1	30.2	10.8	5.4	4.3	3.2	3.2	2.2	3.2
65°	3726.1	2017.2	57.1	21.6	7.5	4.3	3.2	2.2	1.1	0.0	1.1
67.5°	3723.9	1882.4	41.0	14.0	5.4	3.2	2.2	1.1	0.0	0.0	0.0
70°	3561.1	1689.4	28.0	9.7	4.3	2.2	2.2	1.1	0.0	0.0	0.0
72°	3142.8	1362.8	21.6	8.6	4.3	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	2996.1	1250.6	19.4	7.5	4.3	2.2	2.2	1.1	0.0	0.0	0.0
75°	1902.9	520.7	15.1	6.5	4.3	2.2	2.2	1.1	1.1	1.1	0.0
77.5°	884.1	190.8	10.8	5.4	3.2	2.2	2.2	1.1	1.1	2.2	0.0
80°	193.0	56.1	7.5	5.4	3.2	2.2	2.2	2.2	2.2	3.2	0.0
82.5°	44.2	18.3	6.5	4.3	3.2	2.2	2.2	2.2	2.2	3.2	0.0
85°	16.2	10.8	6.5	5.4	4.3	2.2	2.2	3.2	3.2	4.3	0.0
87.5°	6.5	6.5	5.4	5.4	4.3	2.2	3.2	3.2	4.3	4.3	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)