

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: P417095

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6226 lumens
Efficiency: N/A
Efficacy: 66.2 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

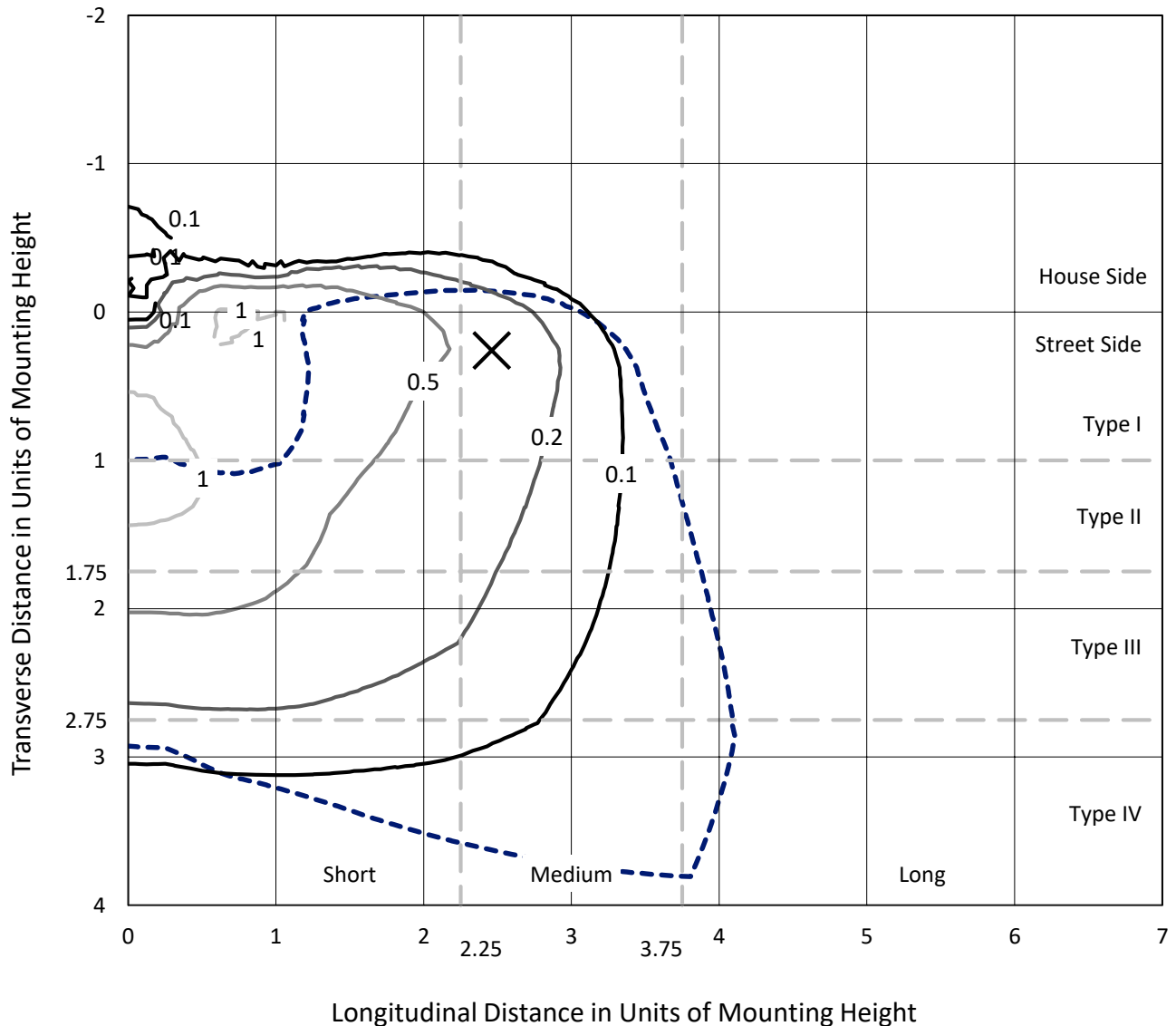
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

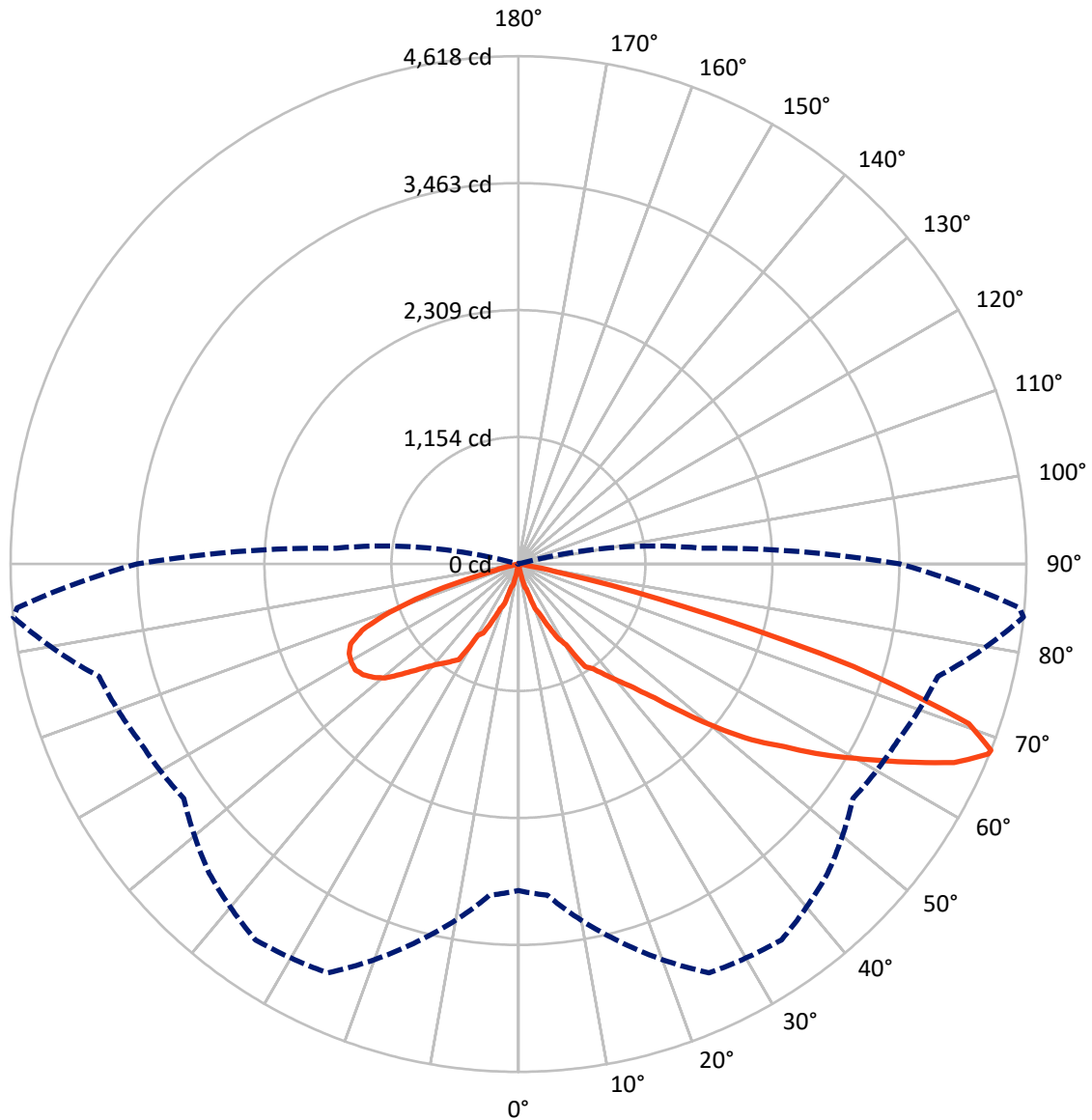
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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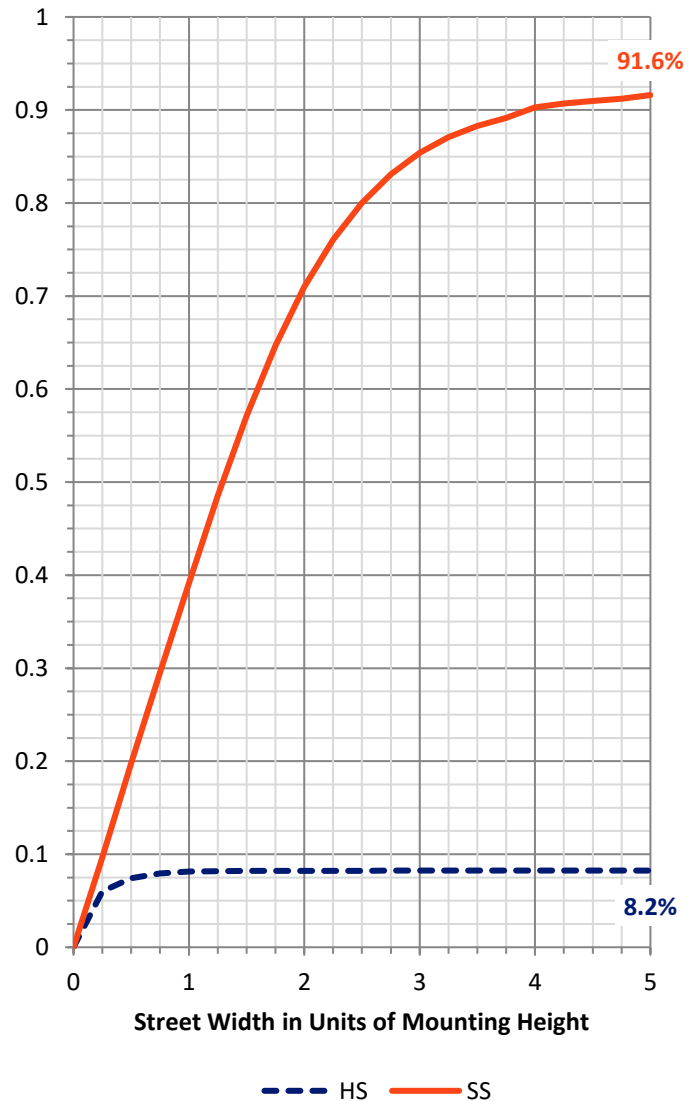
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.4	0.0	517.4
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5708.6	0.0	5708.6
	% Fixture	91.7	0.0	91.7
Total	Lumens	6226.0	0.0	6226.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	56.3	0.9
20°-30°	201.9	3.2
30°-40°	431.1	6.9
40°-50°	770.4	12.4
50°-60°	1366.9	22.0
60°-70°	1964.3	31.6
70°-80°	1322.3	21.2
80°-90°	108.7	1.7
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°	6226.0	100.0
0°-180°	6226.0	100.0



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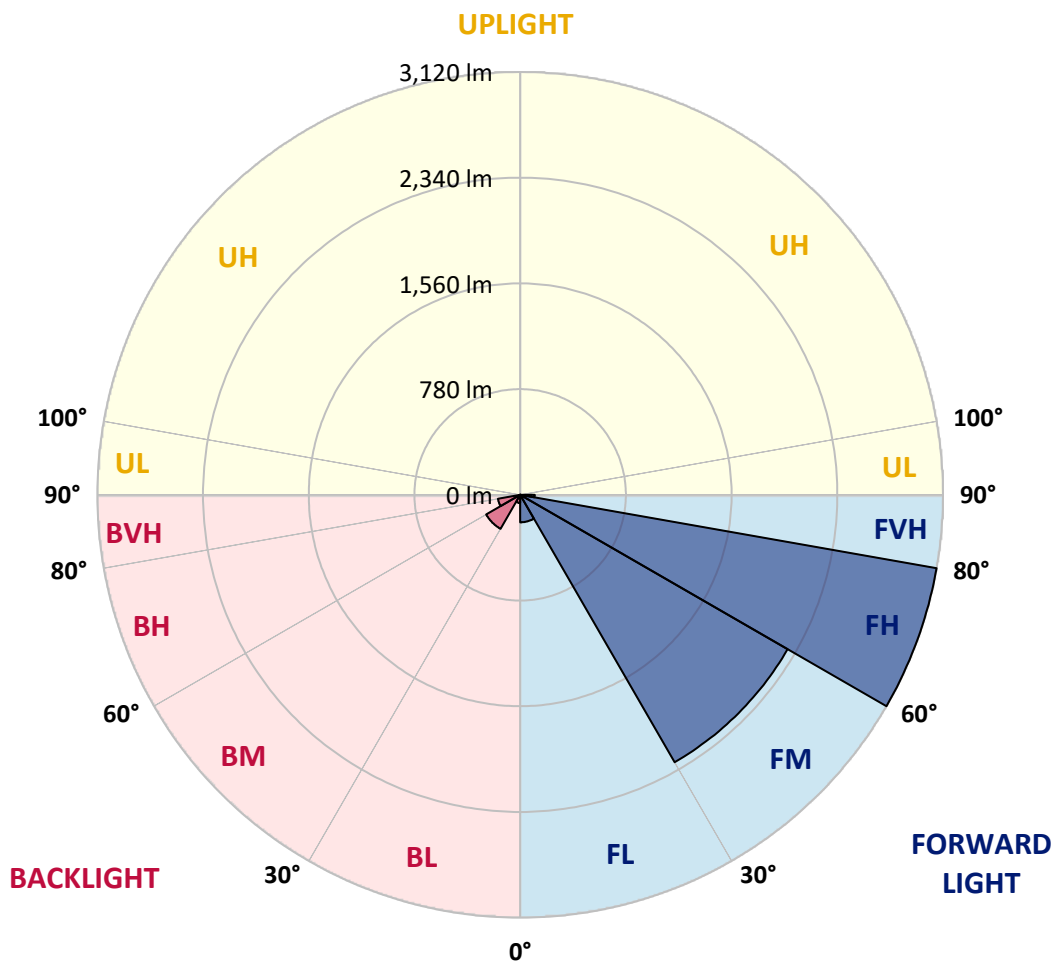
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.0	3.3			
FM	(30°-60°)	2278.5	36.6			
FH	(60°-80°)	3120.2	50.1			G2/5000
FVH	(80°-90°)	107.0	1.7			G2/225
BL	(0°-30°)	59.3	1.0	B0/110		
BM	(30°-60°)	289.9	4.7	B1/1000		
BH	(60°-80°)	166.5	2.7	B1/500		G1/500
BVH	(80°-90°)	1.6	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°	75°	84°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.0	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7
5°	47.8	40.6	39.7	35.2	25.2	6.3	1.8	2.7	2.7	2.7	2.7
7.5°	171.3	168.6	166.8	163.2	159.6	122.6	24.3	2.7	2.7	2.7	2.7
10°	184.0	180.3	177.6	173.1	167.7	161.4	154.2	19.8	2.7	2.7	2.7
12.5°	380.5	376.0	260.6	215.5	177.6	168.6	163.2	84.8	78.5	89.3	101.9
15°	400.4	396.8	386.8	374.2	336.3	190.3	256.1	318.3	207.4	220.9	220.9
17.5°	446.4	439.1	404.9	385.9	370.6	407.6	374.2	340.9	223.6	237.2	237.2
20°	624.9	623.1	613.2	428.3	389.5	515.8	407.6	363.4	413.0	431.0	410.3
22.5°	630.3	628.5	621.3	596.9	612.3	530.2	585.2	549.2	563.6	492.3	488.7
25°	835.9	828.7	663.7	607.8	690.7	565.4	696.1	606.0	595.1	615.0	615.0
27.5°	851.2	849.4	844.0	808.9	708.8	800.7	716.9	784.5	799.8	760.2	780.9
30°	969.4	909.8	878.3	857.5	835.0	840.4	836.8	902.6	833.2	849.4	840.4
32.5°	1128.1	1122.7	1106.4	914.4	927.9	877.4	975.7	965.8	1077.6	1112.7	1107.3
35°	1349.0	1262.4	1156.9	1057.7	963.0	1042.4	1008.1	1123.6	1151.5	1167.7	1201.1
37.5°	1542.9	1514.9	1416.6	1121.8	1066.7	1073.1	1153.3	1203.8	1245.3	1274.1	1288.6
40°	1720.5	1699.8	1633.9	1311.1	1122.7	1165.0	1230.9	1258.8	1340.9	1394.1	1395.0
42.5°	1983.8	1996.4	1935.1	1482.4	1274.1	1294.0	1349.9	1354.4	1427.4	1533.8	1537.4
45°	2312.9	2295.8	2280.5	1731.3	1418.4	1405.8	1483.3	1472.5	1585.2	1734.9	1753.0
47.5°	2630.3	2606.0	2564.5	2018.1	1618.6	1531.1	1639.3	1648.4	1824.2	2015.4	2022.6
50°	2875.6	2866.6	2825.1	2351.7	1884.6	1704.3	1812.5	1918.9	2105.5	2335.5	2350.8
52.5°	3146.1	3125.4	3052.4	2664.6	2226.4	1964.9	2019.9	2206.5	2402.2	2654.7	2652.9
55°	3326.5	3329.2	3259.8	2983.8	2536.6	2259.7	2281.4	2568.1	2672.7	2930.6	2949.6
57.5°	3566.3	3546.5	3565.4	3358.9	2956.8	2559.1	2609.6	2857.6	2951.4	3269.7	3282.3
60°	3744.9	3752.1	3845.9	3705.2	3282.3	2863.9	2907.2	3093.8	3229.1	3601.5	3641.2
62.5°	3751.2	3790.0	4042.5	4052.4	3634.9	3193.9	3166.0	3335.5	3454.5	3962.2	4010.0
65°	3407.6	3431.1	4000.1	4144.4	3962.2	3517.6	3412.1	3539.3	3677.3	4352.7	4361.7
67.5°	3063.2	3070.4	3619.5	4117.3	4158.8	3906.3	3674.6	3762.0	3895.5	4609.6	4578.1
68°	2969.4	3023.5	3553.7	4102.0	4171.4	3976.6	3714.2	3804.4	3948.7	4617.8	4573.6
70°	2691.7	2749.4	3237.2	3930.6	4165.1	4241.7	3931.5	3944.2	3982.0	4345.4	4203.9
72.5°	1809.8	1848.5	2561.8	3345.4	4029.8	4550.1	4174.1	3861.2	3572.7	3185.8	3060.5
75°	696.1	700.6	1291.3	2299.4	3484.3	4395.9	3918.0	3255.2	2426.6	1551.0	1456.3
77.5°	259.7	255.2	374.2	1065.8	2211.9	3415.8	2925.2	1995.5	1010.8	406.7	397.7
80°	92.0	94.7	145.2	321.0	899.0	1995.5	1628.5	812.5	297.6	90.2	83.0
82.5°	36.1	38.8	73.9	152.4	385.9	837.7	695.2	345.4	174.0	34.3	32.5
85°	8.1	9.0	28.9	75.7	147.0	242.6	244.4	211.0	144.3	16.2	15.3
87.5°	0.9	1.8	8.1	9.9	11.7	6.3	20.7	21.6	39.7	6.3	6.3
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	1.8	0.9	0.9	0.0	79.4	82.1	84.8	85.7
10°	2.7	2.7	2.7	1.8	1.8	83.0	97.4	93.8	87.5	84.8	85.7
12.5°	98.3	95.6	30.7	6.3	75.7	91.1	74.8	62.2	55.9	51.4	51.4
15°	214.6	206.5	172.2	131.7	123.5	70.3	47.8	40.6	59.5	72.1	72.1
17.5°	228.1	218.2	193.0	191.2	125.3	61.3	49.6	64.0	67.6	71.2	71.2
20°	441.8	395.9	272.3	183.1	92.0	74.8	62.2	61.3	64.0	68.5	69.4
22.5°	473.4	450.9	342.7	221.8	83.9	81.2	72.1	68.5	92.0	100.1	100.1
25°	601.5	579.8	368.8	176.7	101.9	83.0	91.1	85.7	87.5	94.7	94.7
27.5°	769.2	729.5	484.2	148.8	94.7	90.2	92.9	85.7	101.0	119.9	119.9
30°	852.1	772.8	463.5	131.7	96.5	98.3	89.3	104.6	104.6	111.8	112.7
32.5°	1137.1	1082.1	522.1	110.9	96.5	90.2	97.4	99.2	97.4	126.2	127.1
35°	1210.1	1144.3	447.3	115.4	92.0	87.5	87.5	98.3	104.6	110.9	111.8
37.5°	1299.4	1213.7	351.7	108.2	95.6	84.8	80.3	83.9	92.0	108.2	109.1
40°	1413.0	1289.5	270.5	101.9	89.3	77.5	73.0	76.6	76.6	81.2	82.1
42.5°	1566.3	1379.6	200.2	97.4	83.9	71.2	64.0	59.5	56.8	55.9	56.8
45°	1776.4	1495.1	149.7	92.9	80.3	63.1	53.2	43.3	36.1	36.1	37.0
47.5°	2026.2	1624.0	121.7	85.7	74.8	54.1	40.6	28.0	22.5	23.4	24.3
50°	2292.2	1760.2	106.4	79.4	68.5	44.2	27.1	17.1	14.4	15.3	16.2
52.5°	2538.4	1848.5	100.1	73.0	60.4	34.3	17.1	11.7	10.8	10.8	11.7
55°	2785.4	1915.3	94.7	66.7	48.7	22.5	9.9	9.0	9.0	8.1	8.1
57.5°	3015.4	1955.0	85.7	57.7	34.3	13.5	7.2	7.2	6.3	6.3	6.3
60°	3226.4	1950.4	68.5	43.3	21.6	8.1	5.4	5.4	4.5	4.5	4.5
62.5°	3441.9	1930.6	48.7	30.7	14.4	5.4	3.6	3.6	2.7	1.8	2.7
65°	3571.8	1874.7	32.5	21.6	9.0	3.6	2.7	1.8	0.9	0.0	0.9
67.5°	3517.6	1712.4	24.3	16.2	6.3	2.7	1.8	0.9	0.0	0.0	0.0
68°	3468.1	1661.0	22.5	15.3	5.4	2.7	1.8	0.9	0.0	0.0	0.0
70°	3077.6	1384.2	19.8	12.6	4.5	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	2053.2	899.0	16.2	9.9	3.6	1.8	1.8	0.9	0.0	0.0	0.0
75°	946.8	288.6	12.6	8.1	2.7	1.8	1.8	0.9	0.0	0.0	0.0
77.5°	252.5	61.3	8.1	5.4	2.7	1.8	1.8	0.9	0.9	0.9	0.0
80°	60.4	18.9	5.4	4.5	2.7	1.8	1.8	0.9	0.9	0.9	0.0
82.5°	22.5	9.9	3.6	3.6	2.7	1.8	1.8	0.9	1.8	1.8	0.0
85°	9.9	6.3	3.6	3.6	2.7	1.8	1.8	1.8	1.8	2.7	0.0
87.5°	4.5	4.5	3.6	3.6	3.6	1.8	2.7	2.7	2.7	2.7	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)