

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: P414003

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7316 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

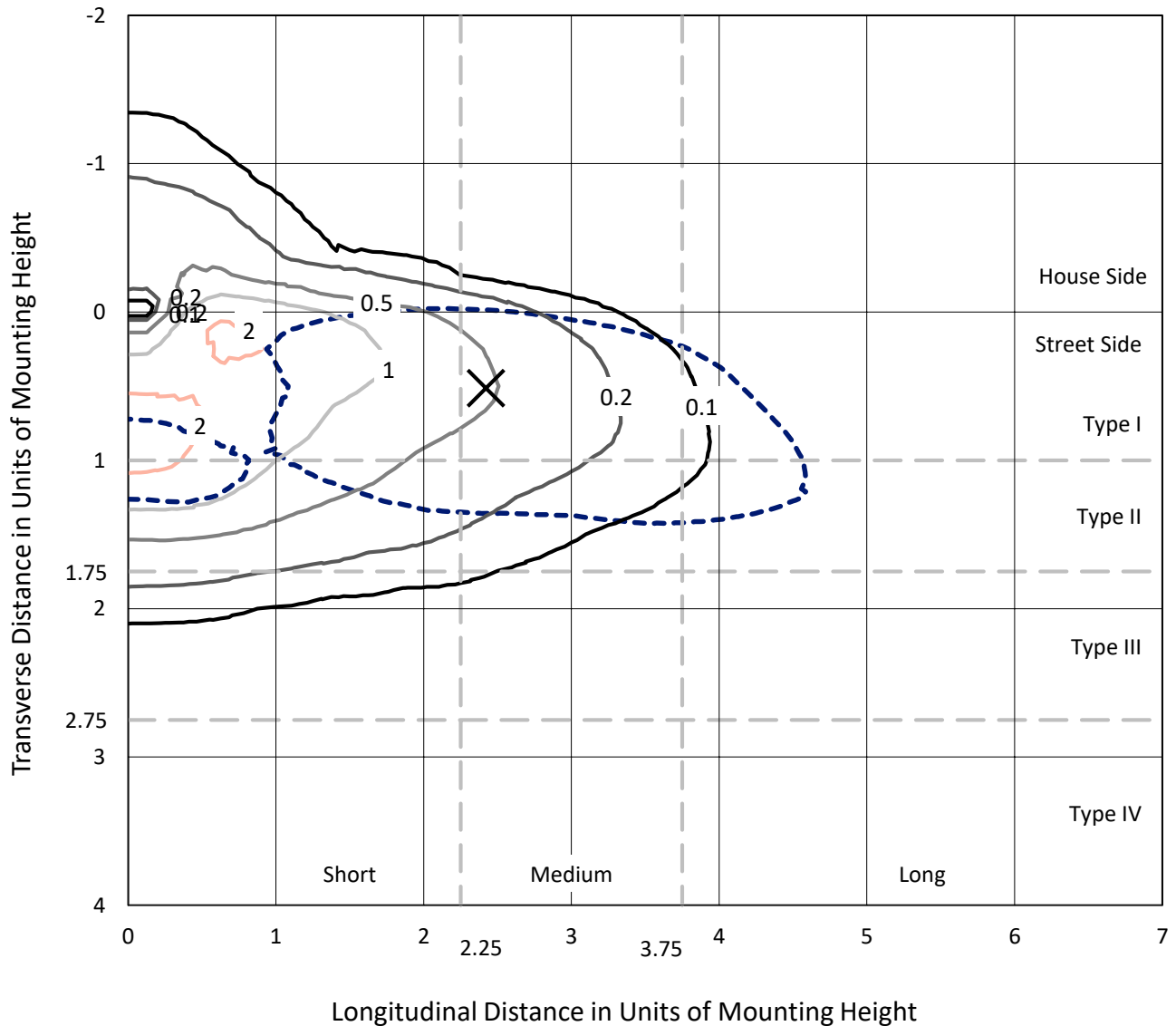
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

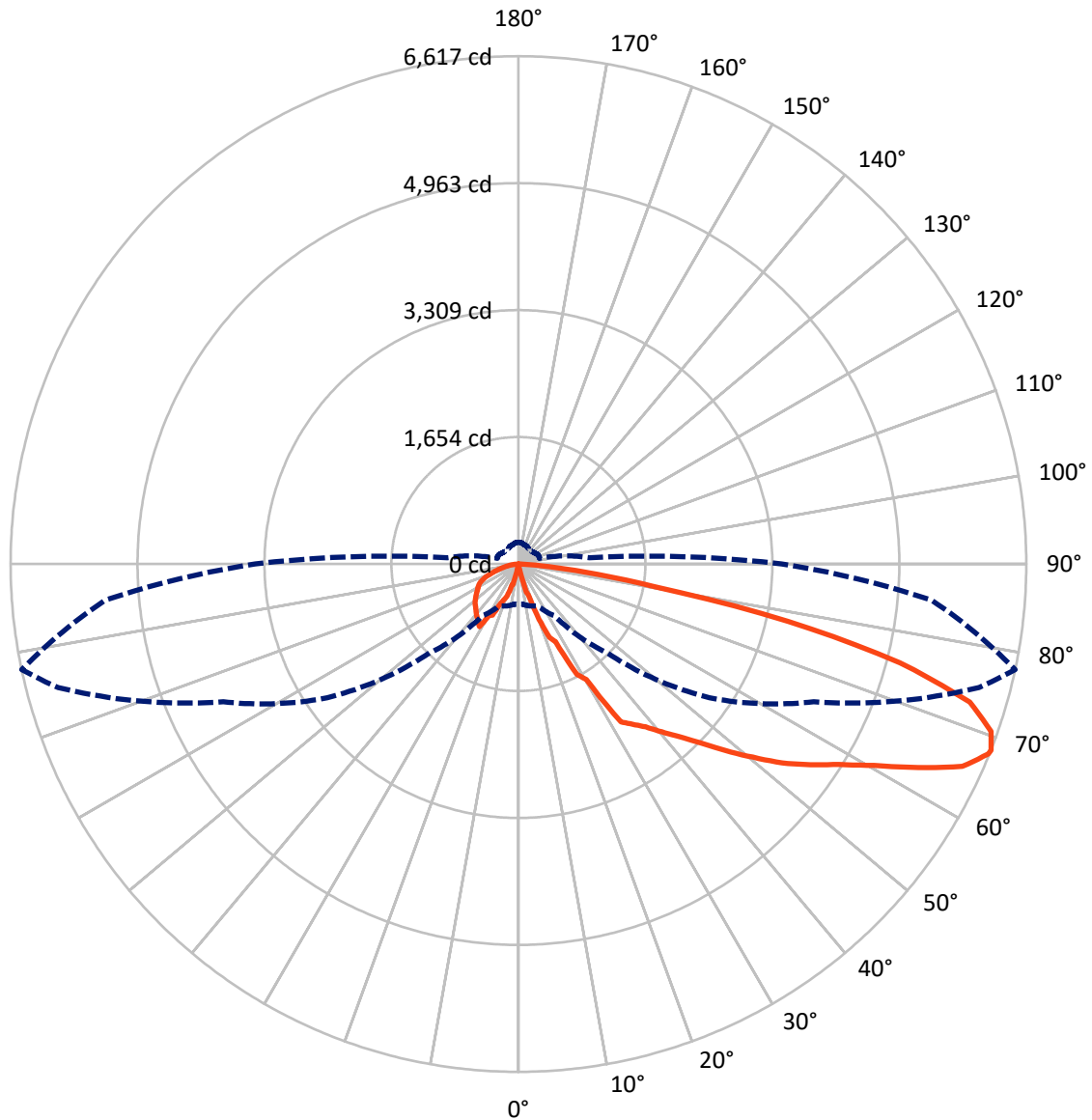
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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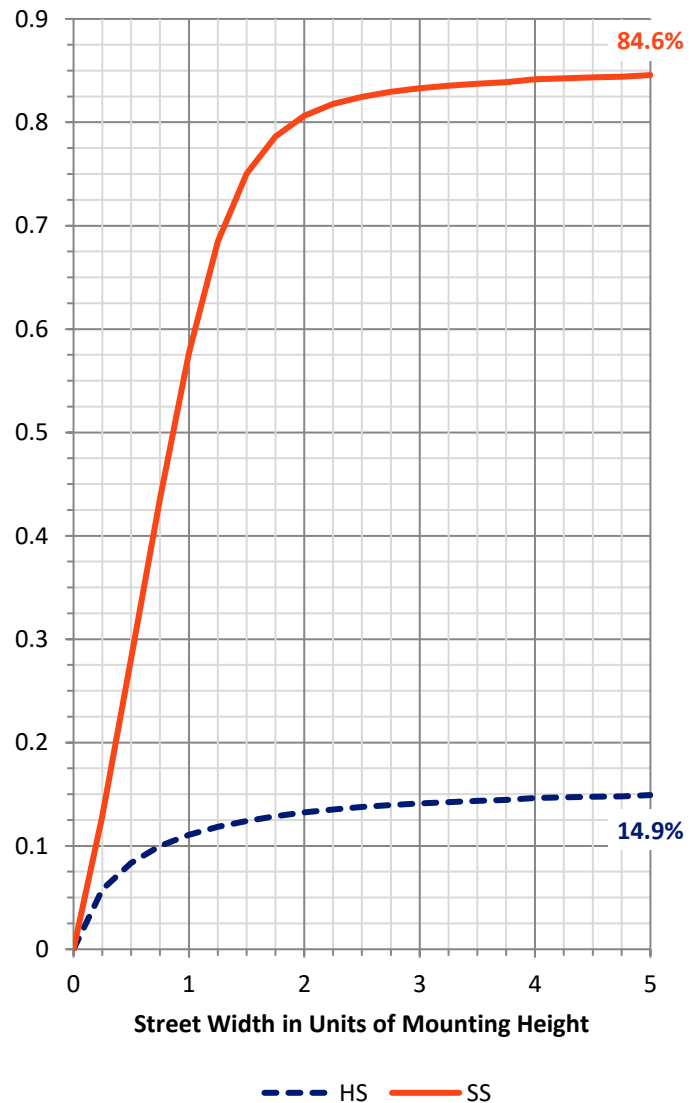
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1110.7	0.0	1110.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6205.3	0.0	6205.3
	% Fixture	84.8	0.0	84.8
Total	Lumens	7316.0	0.0	7316.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.1
10°-20°	106.0	1.4
20°-30°	403.7	5.5
30°-40°	942.6	12.9
40°-50°	1471.5	20.1
50°-60°	1689.2	23.1
60°-70°	1569.6	21.5
70°-80°	969.8	13.3
80°-90°	156.2	2.1
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°	7316.0	100.0
0°-180°	7316.0	100.0



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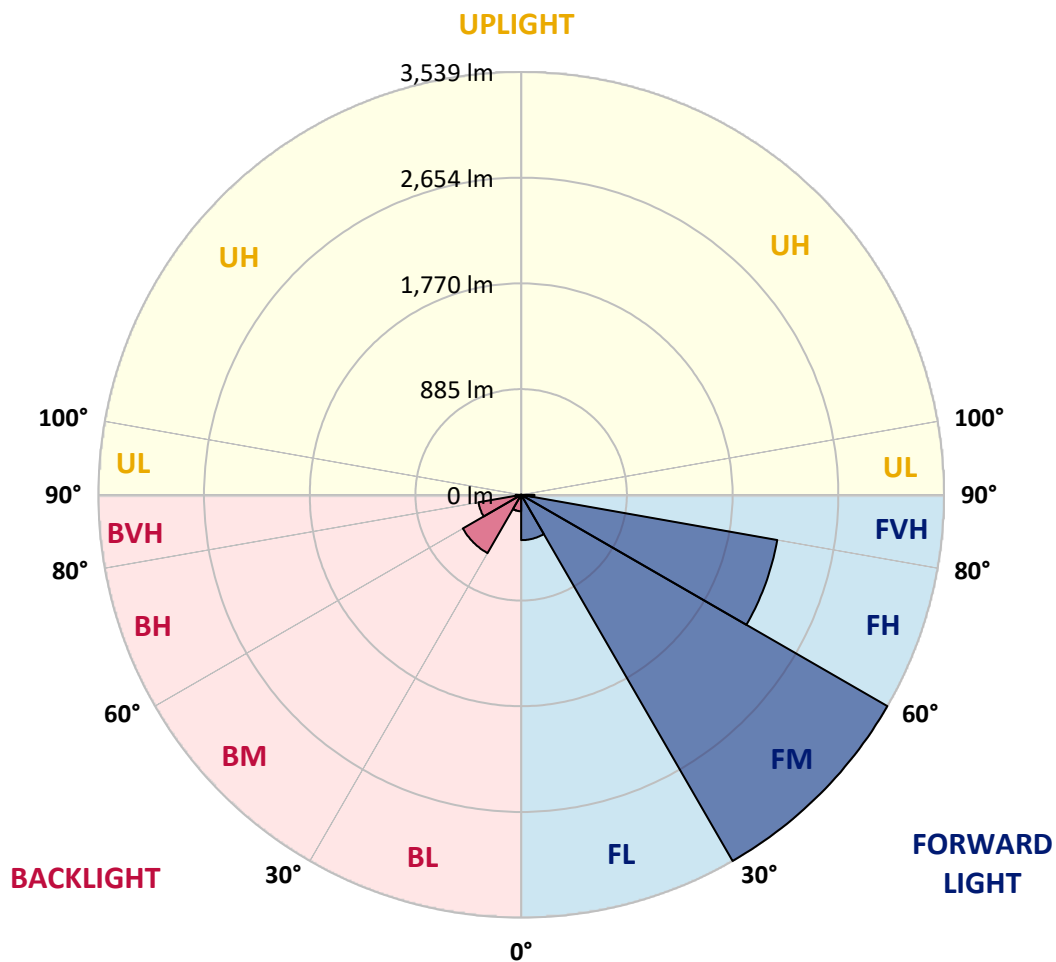
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.4	5.2			
FM	(30°-60°)	3539.0	48.4			
FH	(60°-80°)	2176.4	29.7			G2/5000
FVH	(80°-90°)	110.5	1.5			G2/225
BL	(0°-30°)	137.7	1.9	B1/500		
BM	(30°-60°)	564.3	7.7	B1/1000		
BH	(60°-80°)	363.0	5.0	B1/500		G1/500
BVH	(80°-90°)	45.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.6	5.6	6.4	7.2	8.8	8.0	5.6	4.0	3.2	3.2	3.2
5°	259.3	238.4	133.2	69.0	24.1	14.4	7.2	5.6	4.0	4.0	3.2
7.5°	293.0	291.4	289.0	286.5	282.5	267.3	28.1	8.0	4.8	4.8	3.2
10°	316.2	313.8	312.2	310.6	305.0	297.0	283.3	24.9	8.8	8.0	7.2
12.5°	614.0	612.4	610.0	390.1	330.7	321.9	309.8	221.5	25.7	38.5	116.4
15°	612.4	610.0	617.2	630.1	640.5	352.4	355.6	622.1	385.3	370.0	394.1
17.5°	638.9	635.7	627.7	636.5	655.8	736.8	696.7	673.4	453.5	432.6	420.6
20°	936.7	936.7	946.3	938.3	680.6	941.5	891.7	723.2	819.5	770.5	716.8
22.5°	991.3	987.3	988.9	1004.9	1181.5	976.0	984.0	1115.7	1139.0	1040.2	891.7
25°	1409.5	1408.7	1353.3	1061.9	1245.7	1176.7	1359.7	1193.5	1235.3	1118.9	1094.0
27.5°	1586.0	1587.6	1542.7	1502.6	1316.3	1525.8	1443.2	1571.6	1754.6	1630.2	1401.4
30°	2134.2	2113.4	1760.2	1720.9	1610.9	1608.5	1747.4	1855.7	1804.4	1745.8	1565.2
32.5°	2536.4	2515.5	2437.6	2165.5	1915.1	1791.5	2007.4	1941.6	2354.2	2450.5	2122.2
35°	3158.4	3151.2	2737.8	2456.9	2249.0	2166.4	2109.4	2365.4	2548.4	2562.9	2260.3
37.5°	3636.0	3612.7	3370.3	2875.1	2531.6	2340.5	2476.2	2480.2	2761.1	2692.9	2476.2
40°	3854.3	3839.9	3653.7	3188.9	2791.6	2575.7	2630.3	2653.6	2993.9	2875.9	2633.5
42.5°	4020.5	4002.8	3884.8	3377.6	3020.4	2814.1	2789.2	2810.1	3219.4	3075.8	2802.1
45°	4106.4	4095.9	4040.5	3511.6	3180.1	2965.8	2959.4	2948.1	3372.7	3322.2	2985.1
47.5°	4058.2	4047.0	4071.8	3693.8	3279.6	3090.2	3117.5	3097.4	3548.5	3631.2	3184.1
50°	3790.9	3801.3	3900.9	3701.0	3343.0	3191.3	3284.4	3234.7	3787.7	3957.1	3425.7
52.5°	3017.2	3059.7	3481.1	3540.5	3349.5	3238.7	3434.5	3444.2	4084.7	4305.4	3743.6
55°	2251.4	2311.6	2684.9	3148.8	3221.0	3240.3	3530.9	3636.0	4380.9	4615.2	4010.8
57.5°	1772.3	1809.2	2046.8	2512.3	2911.2	3183.3	3629.6	3791.7	4656.2	4925.1	4273.3
60°	1416.7	1394.2	1549.1	1902.3	2426.4	3023.6	3672.9	3994.8	4998.9	5324.8	4582.3
62.5°	1024.2	1025.8	1143.8	1345.2	1920.7	2708.1	3639.2	4191.4	5435.5	5841.7	4994.1
65°	726.4	733.6	813.9	922.2	1388.6	2274.7	3472.3	4325.5	5928.4	6358.6	5328.8
67.5°	553.0	557.8	595.6	646.1	897.4	1730.5	3129.5	4298.2	6198.9	6603.4	5425.9
68°	530.6	522.5	565.1	602.0	825.9	1640.6	3035.6	4243.6	6211.7	6617.0	5402.6
70°	447.1	447.1	466.3	475.2	585.1	1212.8	2575.7	3913.7	6166.0	6532.8	5226.1
72.5°	373.2	370.8	382.1	374.8	413.4	793.8	1871.0	3375.1	5839.3	6148.3	4700.3
75°	310.6	310.6	312.2	306.6	317.0	532.2	1216.0	2643.9	5158.6	5133.7	3825.4
77.5°	264.9	258.5	256.8	248.8	257.7	386.9	745.7	1881.4	3724.3	3590.3	2428.8
80°	210.3	209.5	211.1	206.3	213.5	281.7	454.3	1099.6	2028.3	1785.1	1132.5
82.5°	130.0	142.9	157.3	157.3	179.8	199.1	275.3	588.3	983.2	864.5	480.8
85°	42.5	52.2	92.3	95.5	115.6	93.1	158.1	189.4	328.3	293.0	92.3
87.5°	1.6	2.4	7.2	11.2	10.4	6.4	11.2	8.8	18.5	13.6	14.4
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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	3.2	3.2	3.2	4.0	4.0	2.4	1.6	3.2	3.2	3.2	3.2
5°	3.2	3.2	4.0	4.0	4.0	3.2	4.0	5.6	6.4	6.4	6.4
7.5°	3.2	3.2	3.2	4.8	4.8	5.6	8.0	48.2	110.8	121.2	119.6
10°	6.4	5.6	6.4	7.2	8.8	102.7	134.8	142.1	145.3	147.7	146.9
12.5°	154.1	138.1	25.7	14.4	97.1	144.5	146.9	152.5	158.1	160.5	160.5
15°	361.2	323.5	247.2	186.2	166.1	154.1	156.5	205.5	279.3	286.5	287.3
17.5°	383.7	336.3	258.5	284.9	293.8	228.8	251.2	282.5	285.7	286.5	286.5
20°	723.2	606.0	367.6	300.2	299.4	382.9	268.1	276.1	280.9	319.5	324.3
22.5°	782.6	649.3	441.5	426.2	322.7	382.9	350.8	341.1	373.2	370.0	372.4
25°	984.0	779.4	464.7	427.8	451.9	370.8	411.8	339.5	345.1	343.5	343.5
27.5°	1251.3	983.2	649.3	479.2	439.0	428.6	381.3	326.7	391.7	393.3	393.3
30°	1325.2	1011.3	649.3	517.7	456.7	421.4	352.4	386.1	364.4	358.0	354.8
32.5°	1836.5	1371.7	785.8	498.4	450.3	386.9	386.1	358.8	358.0	372.4	372.4
35°	1929.6	1392.6	717.6	569.9	424.6	398.9	366.8	362.8	346.7	341.1	340.3
37.5°	2021.9	1405.4	665.4	523.3	435.8	380.5	361.2	333.1	350.8	350.8	349.2
40°	2120.6	1419.1	618.0	480.8	400.5	380.5	334.7	332.3	308.2	309.8	308.2
42.5°	2226.6	1424.7	567.5	445.5	367.6	357.2	323.5	298.6	297.8	303.4	301.8
45°	2347.8	1431.9	520.9	400.5	334.7	314.6	289.0	290.6	305.8	318.7	318.7
47.5°	2477.0	1438.3	482.4	360.4	311.4	285.7	266.5	272.9	300.2	313.0	317.0
50°	2652.0	1446.4	438.2	327.5	295.4	264.1	260.9	266.5	296.2	305.8	301.8
52.5°	2838.2	1431.9	394.9	306.6	278.5	240.0	245.6	260.1	292.2	297.0	293.8
55°	2990.7	1395.8	361.2	293.0	266.5	229.6	237.6	255.2	285.7	288.2	289.0
57.5°	3168.1	1348.5	334.7	282.5	259.3	224.7	234.4	254.4	272.9	284.1	284.1
60°	3342.2	1293.1	318.7	276.9	253.6	224.7	234.4	253.6	270.5	282.5	281.7
62.5°	3546.1	1230.5	309.0	280.1	246.4	227.1	236.0	256.0	269.7	283.3	281.7
65°	3617.5	1110.9	301.8	284.9	245.6	230.4	236.8	259.3	268.9	284.9	283.3
67.5°	3476.3	952.7	289.8	284.9	252.8	234.4	236.0	257.7	266.5	285.7	278.5
68°	3428.9	929.5	285.7	284.1	253.6	235.2	236.0	256.8	264.9	284.9	276.9
70°	3165.7	781.8	265.7	276.1	256.8	238.4	232.0	251.2	256.8	283.3	273.7
72.5°	2739.4	609.2	232.0	256.8	253.6	243.2	224.7	240.0	243.2	264.9	248.8
75°	2190.4	463.1	191.8	223.1	238.4	243.2	214.3	224.7	223.9	234.4	219.9
77.5°	1377.3	330.7	154.9	189.4	216.7	236.8	204.7	204.7	195.0	196.6	190.2
80°	667.8	226.3	125.2	156.5	181.4	223.9	187.8	172.6	160.5	157.3	149.3
82.5°	328.3	146.1	86.7	118.0	143.7	185.4	168.6	142.1	121.2	119.6	106.8
85°	76.3	60.2	47.4	62.6	90.7	121.2	121.2	89.1	75.4	97.9	72.2
87.5°	7.2	8.8	9.6	8.8	11.2	10.4	25.7	25.7	23.3	15.3	10.4
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)