

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: P413994

Luminaire Tested: **LXF.LXT-PA1-100-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
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-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7381 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 96
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

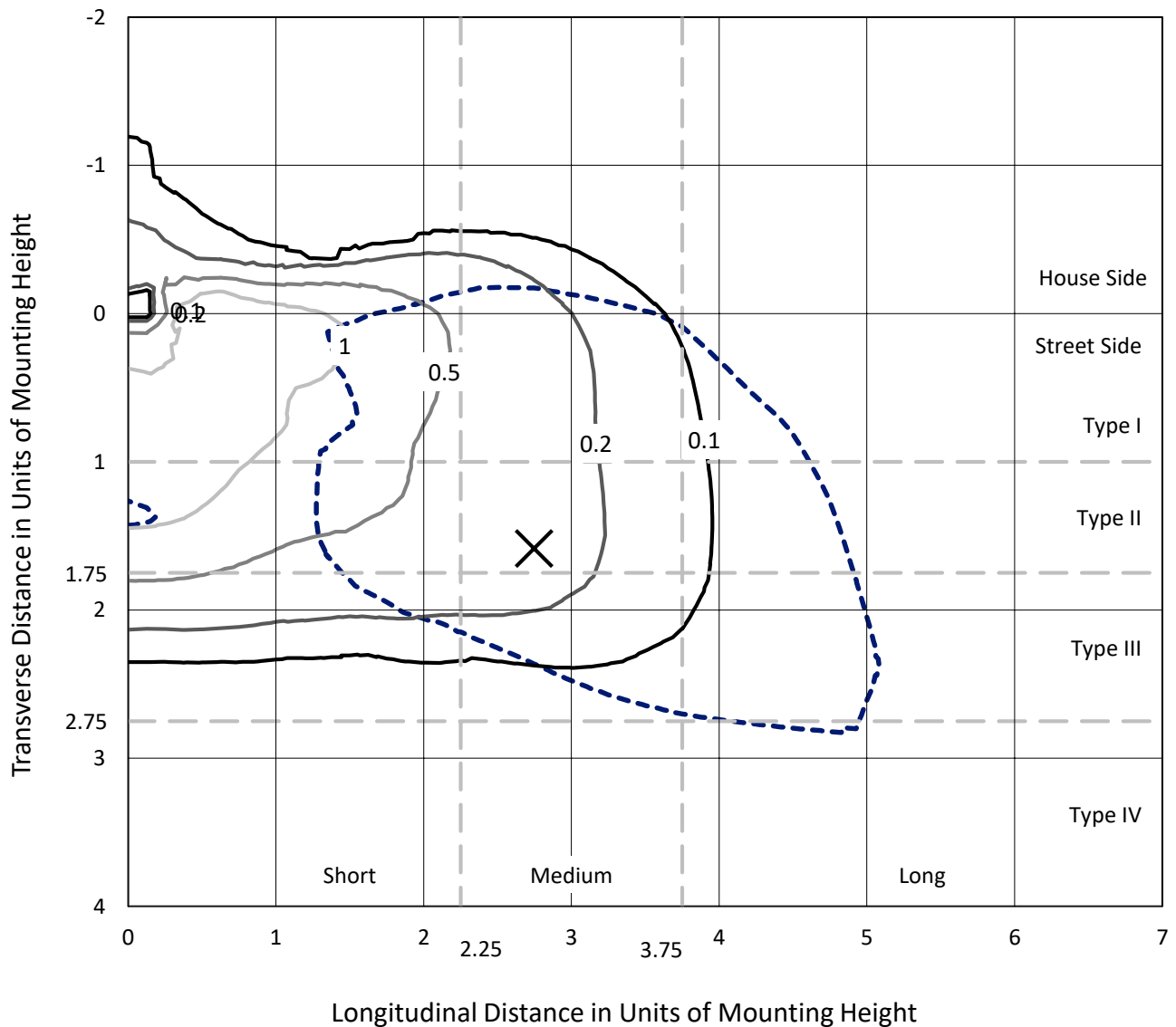


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

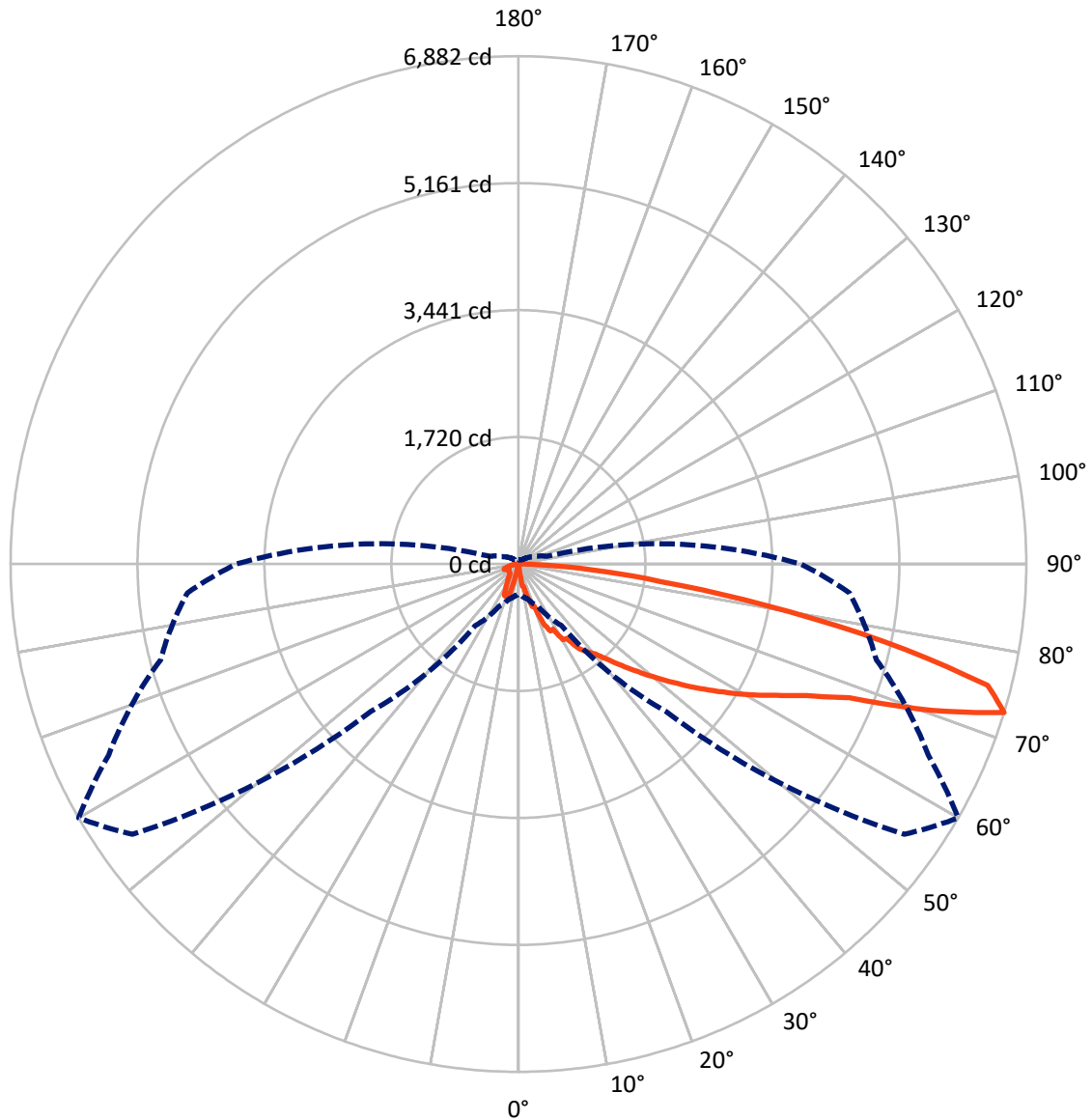


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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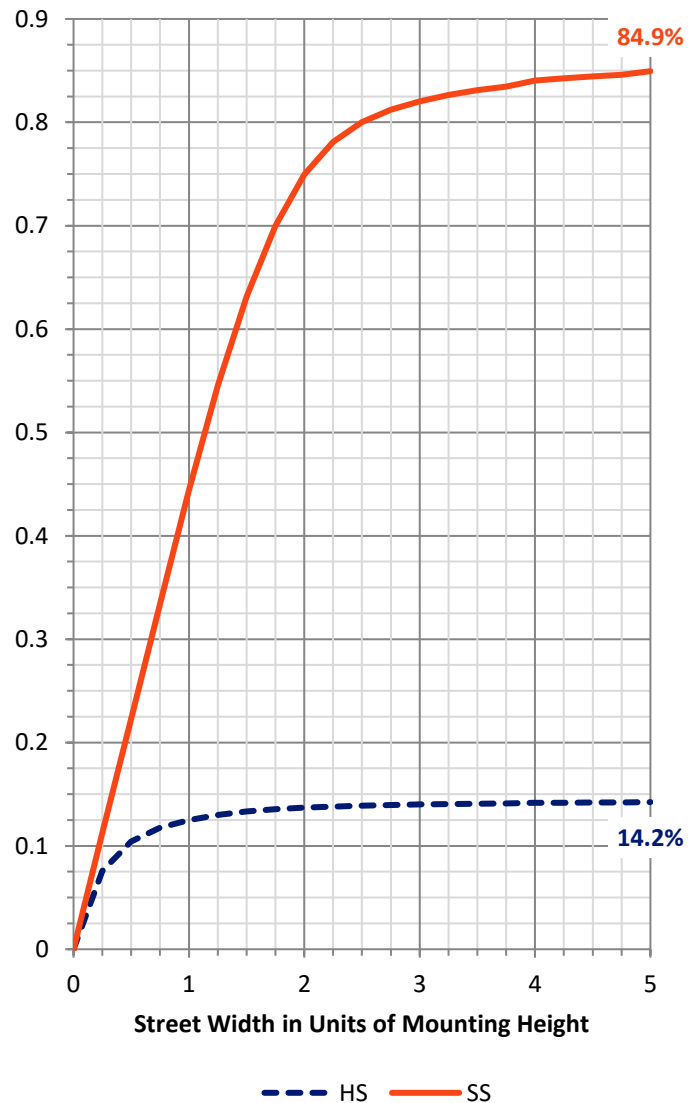
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1063.0	0.0	1063.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6318.0	0.0	6318.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	7381.0	0.0	7381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	107.6	1.5
20°-30°	324.0	4.4
30°-40°	640.9	8.7
40°-50°	1061.6	14.4
50°-60°	1585.9	21.5
60°-70°	1886.6	25.6
70°-80°	1510.3	20.5
80°-90°	256.3	3.5
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°	7381.0	100.0
0°-180°	7381.0	100.0

Coefficient of Utilization



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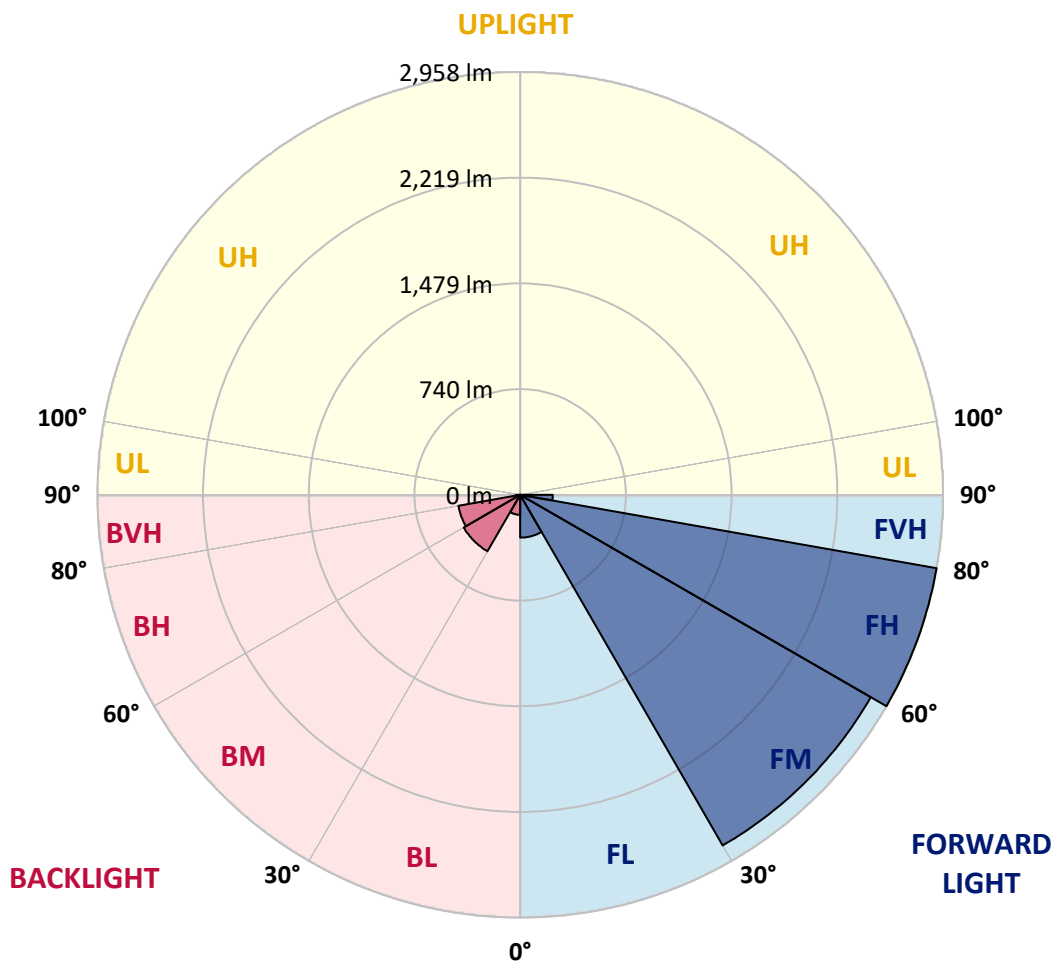
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.6	4.1			
FM	(30°-60°)	2832.3	38.4			
FH	(60°-80°)	2958.1	40.1			G2/5000
FVH	(80°-90°)	228.1	3.1			G3/500
BL	(0°-30°)	139.9	1.9	B1/500		
BM	(30°-60°)	456.1	6.2	B1/1000		
BH	(60°-80°)	438.8	5.9	B1/500		G1/500
BVH	(80°-90°)	28.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.8	5.6	5.6	4.8	4.0	4.0	4.0	3.2	4.0
5°	275.8	139.1	93.3	44.2	33.0	16.1	6.4	4.8	4.8	4.0	4.0
7.5°	316.8	316.8	317.6	320.8	323.2	324.9	40.2	20.9	8.0	4.0	4.0
10°	305.6	303.1	304.8	308.0	311.2	316.0	321.6	305.6	36.2	6.4	4.8
12.5°	564.5	562.9	543.6	331.3	307.2	307.2	315.2	316.0	248.5	24.1	23.3
15°	544.4	543.6	546.0	551.6	560.5	317.6	322.4	469.6	611.9	431.0	501.0
17.5°	559.7	553.2	538.7	535.5	543.6	510.6	600.7	607.9	621.6	495.3	507.4
20°	767.9	765.5	765.5	644.9	531.5	743.0	705.2	608.7	624.8	716.5	897.4
22.5°	765.5	761.5	755.9	755.0	866.0	722.9	734.1	880.5	915.9	1050.2	1014.0
25°	1040.5	1030.0	872.4	760.7	860.4	809.7	981.0	1006.7	931.1	1089.6	1037.3
27.5°	1129.8	1109.7	1059.8	971.3	866.8	984.2	979.4	1000.3	1026.8	1489.2	1425.7
30°	1534.2	1439.3	1172.4	1128.1	1036.5	996.3	1116.1	1189.3	1297.0	1458.6	1485.2
32.5°	1716.7	1682.2	1551.9	1388.7	1211.0	1075.9	1220.6	1202.1	1306.7	1773.0	1904.1
35°	2110.8	2068.1	1711.1	1564.0	1408.0	1318.7	1255.2	1404.0	1532.6	1843.8	1940.3
37.5°	2187.9	2178.3	2095.5	1831.7	1622.7	1449.8	1469.1	1509.3	1592.9	1942.7	2042.4
40°	2248.3	2249.1	2273.2	2045.6	1820.5	1660.5	1602.6	1603.4	1674.9	2105.1	2173.5
42.5°	2407.5	2413.9	2479.0	2236.2	2060.1	1906.5	1806.0	1761.8	1816.5	2291.7	2334.3
45°	2694.5	2680.1	2735.5	2432.4	2240.2	2108.3	2027.9	1960.4	1989.3	2490.3	2539.3
47.5°	3055.6	3025.0	3006.5	2676.8	2436.4	2323.0	2248.3	2177.5	2186.3	2680.1	2774.1
50°	3334.6	3319.3	3223.6	2861.8	2605.3	2539.3	2508.0	2420.3	2382.5	2891.5	3042.7
52.5°	3453.6	3439.1	3320.9	3001.7	2738.8	2746.0	2800.7	2686.5	2580.3	3120.7	3298.4
55°	3432.7	3420.6	3342.6	3070.8	2835.2	2945.4	3088.5	2974.4	2836.9	3337.0	3558.9
57.5°	3278.3	3283.9	3283.1	3075.7	2909.2	3132.8	3370.0	3271.9	3108.6	3551.7	3770.4
60°	2937.4	2967.1	3078.1	3041.1	3003.3	3309.7	3643.4	3597.5	3424.7	3787.3	3965.8
62.5°	2352.8	2411.5	2654.3	2852.1	3078.9	3557.3	3910.3	3916.0	3751.9	3969.8	4117.0
65°	1587.3	1582.5	1944.3	2434.8	2989.6	3946.5	4309.2	4297.9	4055.1	4178.1	4339.7
67.5°	882.1	901.4	1138.6	1611.4	2646.3	4187.7	5074.7	4833.4	4473.2	4495.7	4652.5
70°	546.0	569.3	648.9	900.6	1694.2	3906.3	6058.1	5945.5	5245.9	4917.1	4778.7
72.5°	414.9	427.8	492.1	638.5	1019.6	2825.6	6384.5	6881.5	6127.2	5020.8	4503.7
75°	247.7	262.9	350.6	551.6	849.9	1462.7	5535.4	6566.3	6407.0	4954.8	3930.4
77.5°	154.4	158.4	189.0	385.2	783.2	920.7	3792.1	5085.9	5221.8	4196.6	2777.4
80°	118.2	119.0	130.3	205.0	632.8	871.6	2196.0	3396.5	3329.0	2241.0	1091.2
82.5°	74.8	79.6	101.3	125.4	300.7	849.9	1297.8	1933.9	1702.3	606.3	303.9
85°	37.8	42.6	71.6	86.0	145.5	920.7	920.7	991.5	697.2	203.4	115.0
87.5°	6.4	6.4	9.6	22.5	28.9	156.0	257.3	224.3	148.0	27.3	22.5
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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.8	0.8	1.6	1.6
5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4
7.5°	4.0	4.0	4.0	3.2	2.4	2.4	1.6	3.2	7.2	94.1	63.5
10°	4.8	4.8	4.8	4.0	3.2	8.8	275.0	290.3	291.1	289.5	286.3
12.5°	25.7	28.1	20.9	7.2	29.8	275.8	264.5	251.7	246.9	241.2	241.2
15°	508.2	501.8	473.6	349.0	213.9	246.1	221.1	204.2	316.8	312.8	316.0
17.5°	509.8	498.5	458.3	499.3	463.2	221.1	250.9	272.6	257.3	251.7	254.1
20°	967.3	915.1	464.8	465.6	397.2	392.4	213.1	201.0	203.4	208.3	209.9
22.5°	985.0	924.7	713.2	603.1	340.9	314.4	217.9	174.5	258.1	287.1	290.3
25°	993.1	917.5	673.8	533.9	385.2	235.6	210.7	191.4	235.6	264.5	266.2
27.5°	1404.0	1272.1	920.7	453.5	297.5	206.7	197.0	180.1	211.5	262.1	262.9
30°	1391.9	1236.7	853.1	439.0	230.0	190.6	170.5	188.2	199.4	213.1	213.1
32.5°	1810.0	1587.3	946.4	353.8	193.0	158.4	160.8	171.3	172.1	203.4	205.8
35°	1810.8	1552.7	815.4	323.2	165.6	144.7	147.1	158.4	175.3	195.4	198.6
37.5°	1839.0	1537.4	702.8	251.7	165.6	144.7	139.9	151.2	163.2	191.4	194.6
40°	1898.5	1543.9	595.8	209.1	160.0	142.3	138.3	147.1	161.6	177.7	179.3
42.5°	1999.8	1580.1	494.5	189.0	156.0	142.3	132.7	139.1	147.1	180.1	183.3
45°	2160.6	1657.2	416.5	180.9	154.4	136.7	126.2	127.9	133.5	213.1	221.9
47.5°	2348.8	1764.2	349.0	176.9	152.0	131.1	116.6	118.2	131.1	242.0	254.1
50°	2565.9	1922.6	308.8	176.1	149.6	123.0	109.4	118.2	144.7	241.2	246.9
52.5°	2820.8	2083.4	287.1	179.3	148.0	115.8	113.4	132.7	137.5	193.8	193.8
55°	3049.9	2261.9	288.7	181.7	143.1	115.8	116.6	112.6	108.6	133.5	134.3
57.5°	3275.1	2439.6	315.2	176.9	135.9	116.6	100.5	92.5	94.1	113.4	115.8
60°	3470.5	2610.9	394.8	166.4	129.5	105.3	93.3	86.8	88.5	114.2	116.6
62.5°	3681.2	2820.0	546.8	170.5	128.7	99.7	86.8	79.6	82.8	94.9	96.5
65°	3965.8	3111.9	683.5	201.0	133.5	96.5	79.6	75.6	76.4	77.2	77.2
67.5°	4244.8	3292.0	659.4	237.2	149.6	94.9	75.6	70.8	70.0	70.0	70.0
70°	4217.5	3096.6	522.7	251.7	162.4	94.9	72.4	65.9	64.3	64.3	64.3
72.5°	3822.7	2648.7	401.2	233.2	149.6	90.9	67.5	60.3	57.9	57.9	57.9
75°	3252.6	2124.4	336.9	202.6	122.2	78.0	59.5	53.9	52.3	52.3	51.5
77.5°	2077.8	1256.0	286.3	164.8	94.1	63.5	51.5	46.6	46.6	46.6	44.2
80°	833.8	552.4	222.7	130.3	73.2	50.7	42.6	40.2	39.4	38.6	36.2
82.5°	316.8	272.6	144.7	94.9	56.3	38.6	34.6	32.2	32.2	31.4	27.3
85°	113.4	106.1	66.7	54.7	34.6	24.1	26.5	24.1	23.3	20.9	17.7
87.5°	24.1	26.5	18.5	12.1	12.1	7.2	8.8	9.6	9.6	8.8	4.8
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)