

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: P415823

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415823
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-PA1-60-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6218 lumens
Efficiency: N/A
Efficacy: 97.2 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

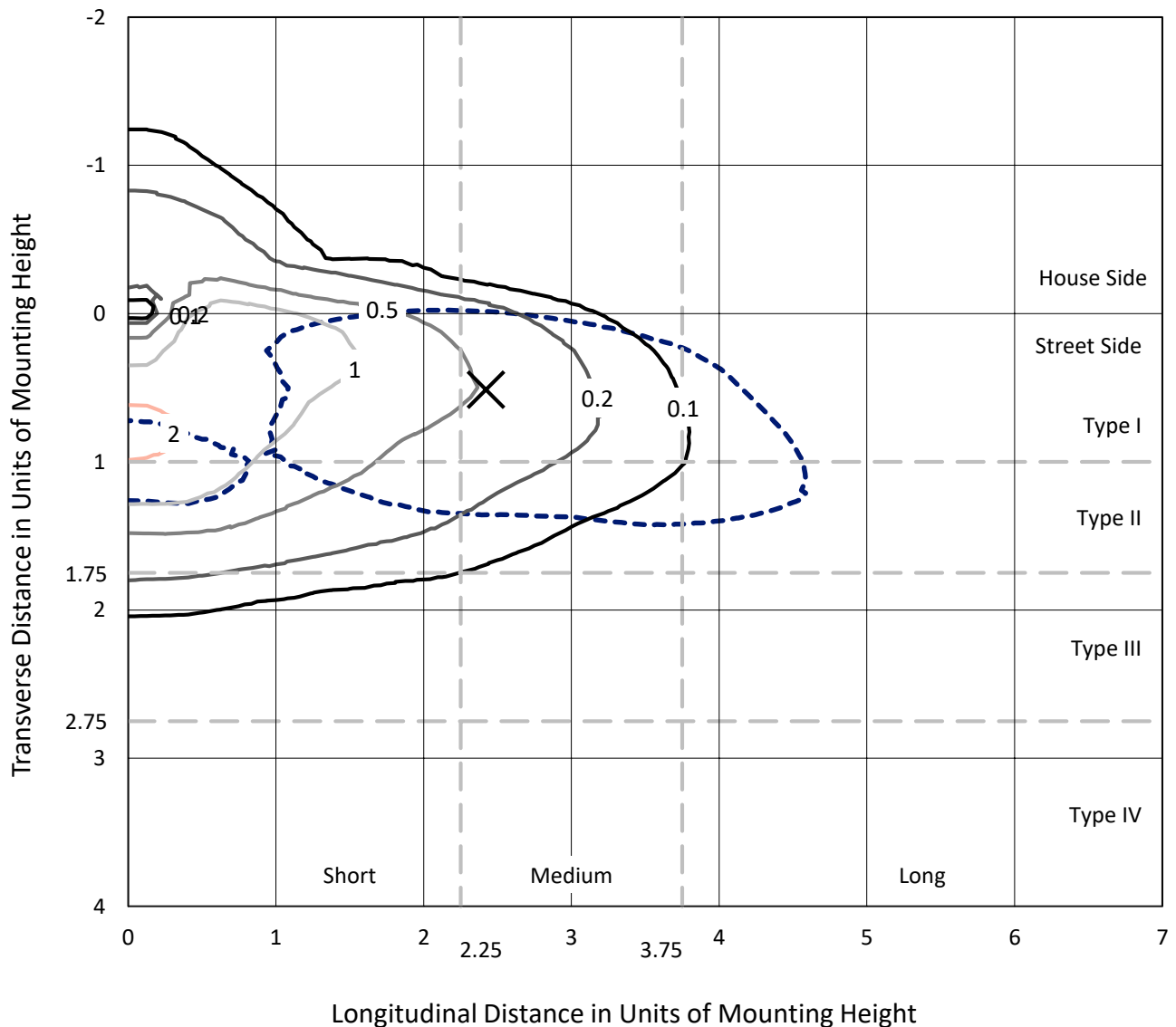
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

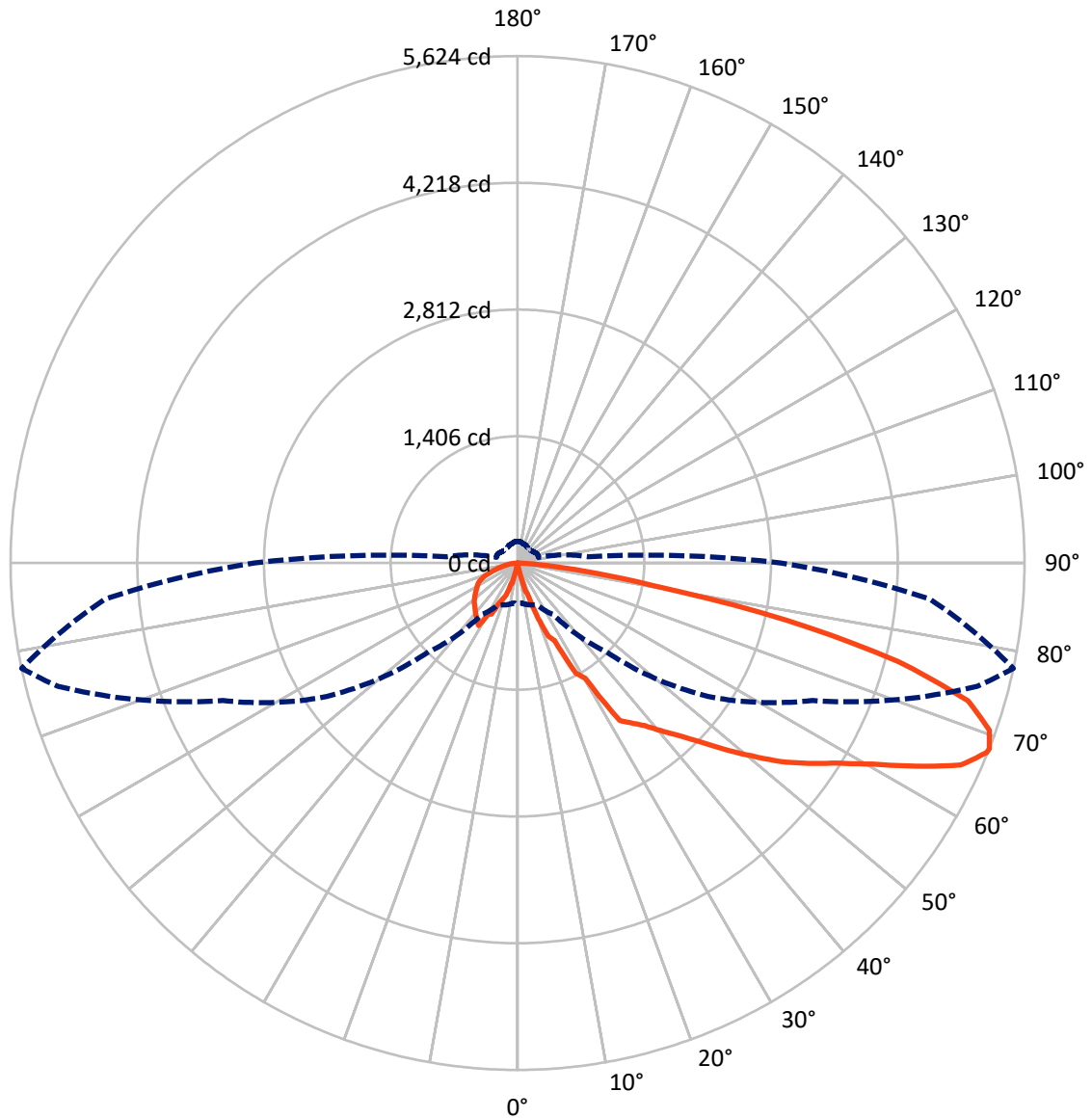
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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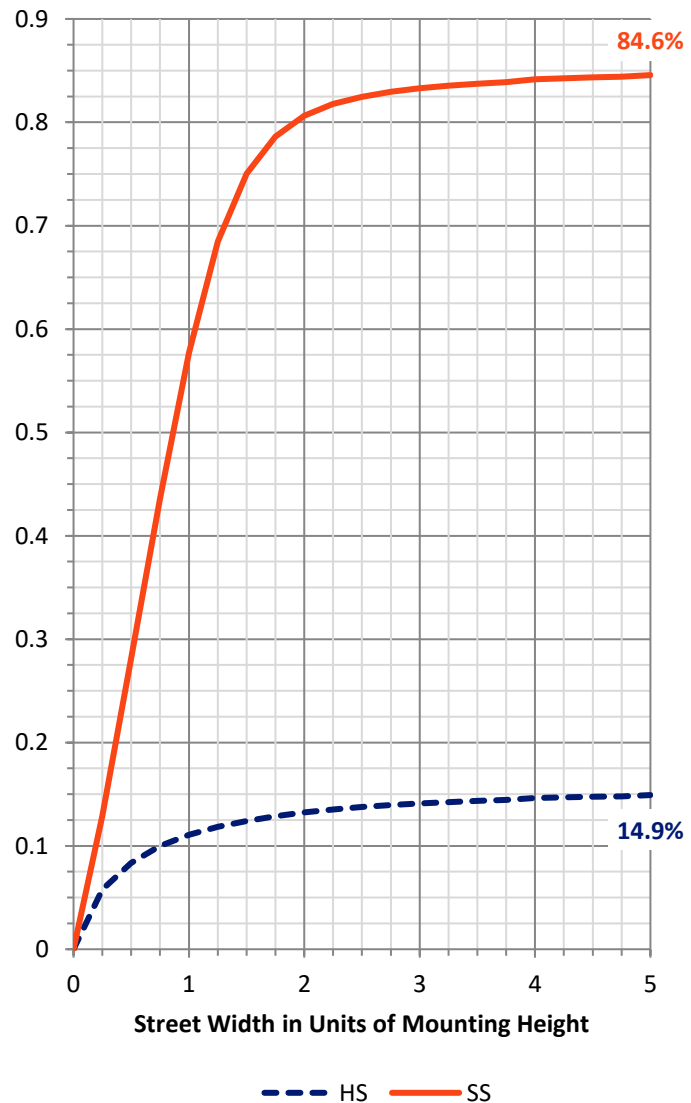
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	944.0	0.0	944.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5274.0	0.0	5274.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	6218.0	0.0	6218.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	90.1	1.4
20°-30°	343.1	5.5
30°-40°	801.1	12.9
40°-50°	1250.7	20.1
50°-60°	1435.7	23.1
60°-70°	1334.0	21.5
70°-80°	824.3	13.3
80°-90°	132.7	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°	6218.0	100.0
0°-180°	6218.0	100.0



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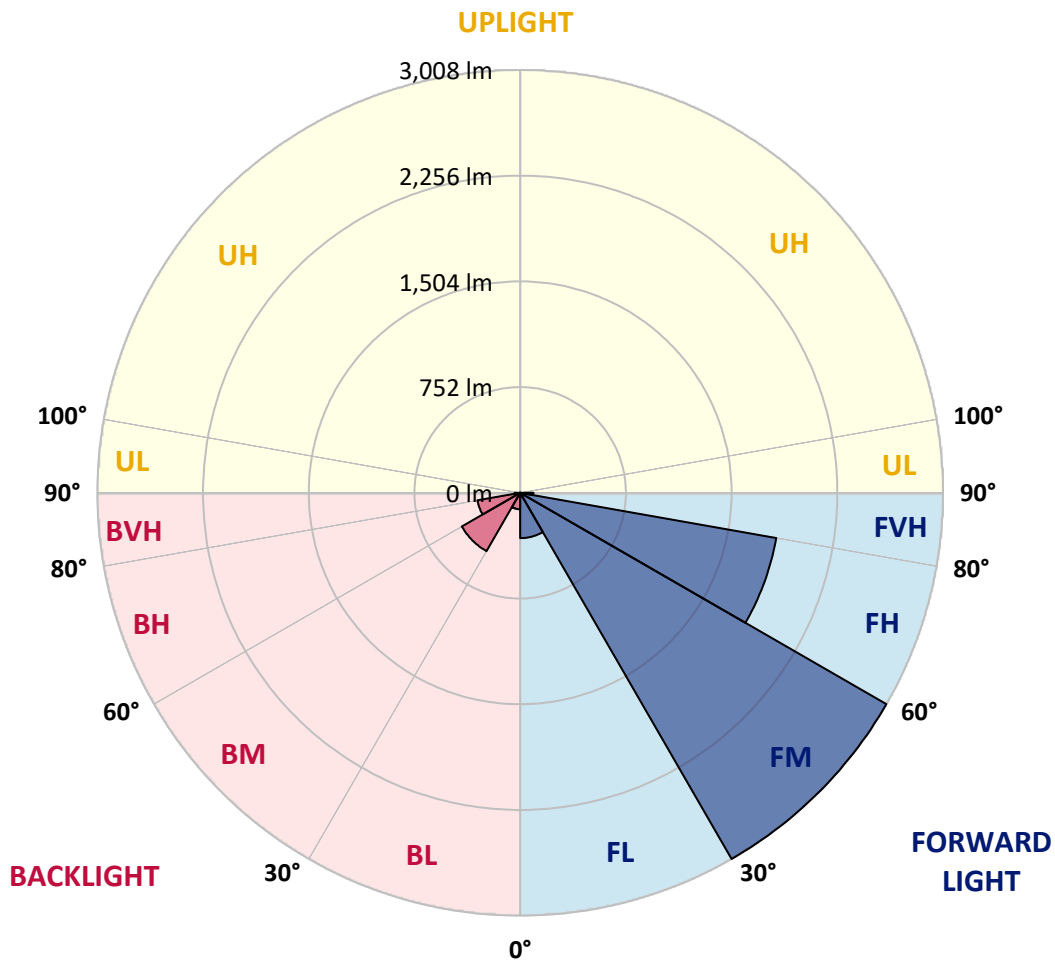
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.4	5.2			
FM	(30°-60°)	3007.9	48.4			
FH	(60°-80°)	1849.8	29.7			G2/5000
FVH	(80°-90°)	93.9	1.5			G1/100
BL	(0°-30°)	117.0	1.9	B1/500		
BM	(30°-60°)	479.6	7.7	B1/1000		
BH	(60°-80°)	308.6	5.0	B1/500		G1/500
BVH	(80°-90°)	38.8	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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.8	4.8	5.5	6.1	7.5	6.8	4.8	3.4	2.7	2.7	2.7
5°	220.3	202.6	113.2	58.7	20.5	12.3	6.1	4.8	3.4	3.4	2.7
7.5°	249.0	247.6	245.6	243.5	240.1	227.2	23.9	6.8	4.1	4.1	2.7
10°	268.8	266.7	265.4	264.0	259.2	252.4	240.8	21.1	7.5	6.8	6.1
12.5°	521.9	520.5	518.5	331.5	281.1	273.6	263.3	188.3	21.8	32.7	98.9
15°	520.5	518.5	524.6	535.5	544.4	299.5	302.2	528.7	327.4	314.5	335.0
17.5°	543.0	540.3	533.5	541.0	557.3	626.2	592.1	572.4	385.4	367.7	357.5
20°	796.1	796.1	804.3	797.5	578.5	800.2	757.9	614.7	696.5	654.9	609.2
22.5°	842.5	839.1	840.5	854.1	1004.2	829.5	836.4	948.2	968.0	884.1	757.9
25°	1197.9	1197.2	1150.2	902.5	1058.8	1000.1	1155.6	1014.4	1049.9	951.0	929.8
27.5°	1348.0	1349.4	1311.2	1277.1	1118.8	1296.8	1226.6	1335.7	1491.3	1385.5	1191.1
30°	1813.9	1796.2	1496.0	1462.6	1369.1	1367.1	1485.1	1577.2	1533.6	1483.8	1330.3
32.5°	2155.7	2138.0	2071.8	1840.5	1627.7	1522.6	1706.1	1650.2	2000.9	2082.7	1803.7
35°	2684.4	2678.3	2326.9	2088.2	1911.5	1841.2	1792.8	2010.4	2165.9	2178.2	1921.0
37.5°	3090.3	3070.5	2864.5	2443.6	2151.6	1989.3	2104.5	2108.0	2346.7	2288.7	2104.5
40°	3275.9	3263.6	3105.3	2710.3	2372.6	2189.1	2235.5	2255.3	2544.6	2444.3	2238.3
42.5°	3417.1	3402.1	3301.8	2870.6	2567.1	2391.7	2370.6	2388.3	2736.3	2614.1	2381.5
45°	3490.1	3481.2	3434.1	2984.6	2702.8	2520.7	2515.2	2505.7	2866.5	2823.6	2537.1
47.5°	3449.1	3439.6	3460.7	3139.4	2787.4	2626.4	2649.6	2632.6	3015.9	3086.2	2706.2
50°	3222.0	3230.8	3315.4	3145.6	2841.3	2712.4	2791.5	2749.2	3219.2	3363.2	2911.6
52.5°	2564.3	2600.5	2958.6	3009.1	2846.8	2752.6	2919.1	2927.3	3471.6	3659.2	3181.7
55°	1913.5	1964.7	2281.9	2676.2	2737.6	2754.0	3000.9	3090.3	3723.4	3922.6	3408.9
57.5°	1506.3	1537.6	1739.6	2135.2	2474.3	2705.6	3084.8	3222.6	3957.4	4185.9	3632.0
60°	1204.1	1185.0	1316.6	1616.8	2062.3	2569.8	3121.7	3395.2	4248.7	4525.6	3894.6
62.5°	870.5	871.8	972.1	1143.3	1632.5	2301.7	3093.0	3562.4	4619.8	4965.0	4244.6
65°	617.4	623.5	691.7	783.8	1180.2	1933.3	2951.1	3676.3	5038.6	5404.3	4529.0
67.5°	470.0	474.1	506.2	549.2	762.7	1470.8	2659.8	3653.1	5268.5	5612.3	4611.6
68°	450.9	444.1	480.3	511.6	702.0	1394.4	2580.0	3606.7	5279.4	5623.9	4591.8
70°	380.0	380.0	396.4	403.9	497.3	1030.8	2189.1	3326.3	5240.6	5552.3	4441.7
72.5°	317.2	315.2	324.7	318.6	351.3	674.7	1590.2	2868.6	4962.9	5225.5	3994.9
75°	264.0	264.0	265.4	260.6	269.5	452.3	1033.5	2247.1	4384.4	4363.3	3251.3
77.5°	225.1	219.7	218.3	211.5	219.0	328.8	633.8	1599.0	3165.3	3051.4	2064.3
80°	178.7	178.1	179.4	175.3	181.5	239.4	386.1	934.6	1723.9	1517.2	962.6
82.5°	110.5	121.4	133.7	133.7	152.8	169.2	234.0	500.0	835.7	734.7	408.6
85°	36.2	44.3	78.5	81.2	98.2	79.1	134.4	161.0	279.0	249.0	78.5
87.5°	1.4	2.0	6.1	9.6	8.9	5.5	9.6	7.5	15.7	11.6	12.3
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	2.7	2.7	2.7	3.4	3.4	2.0	1.4	2.7	2.7	2.7	2.7
5°	2.7	2.7	3.4	3.4	3.4	2.7	3.4	4.8	5.5	5.5	5.5
7.5°	2.7	2.7	2.7	4.1	4.1	4.8	6.8	40.9	94.1	103.0	101.6
10°	5.5	4.8	5.5	6.1	7.5	87.3	114.6	120.7	123.5	125.5	124.8
12.5°	131.0	117.3	21.8	12.3	82.5	122.8	124.8	129.6	134.4	136.4	136.4
15°	307.0	274.9	210.1	158.3	141.2	131.0	133.0	174.6	237.4	243.5	244.2
17.5°	326.1	285.8	219.7	242.2	249.7	194.4	213.5	240.1	242.9	243.5	243.5
20°	614.7	515.1	312.4	255.1	254.5	325.4	227.9	234.7	238.8	271.5	275.6
22.5°	665.1	551.9	375.2	362.2	274.2	325.4	298.1	289.9	317.2	314.5	316.5
25°	836.4	662.4	395.0	363.6	384.1	315.2	350.0	288.6	293.3	292.0	292.0
27.5°	1063.5	835.7	551.9	407.3	373.2	364.3	324.0	277.6	332.9	334.3	334.3
30°	1126.3	859.6	551.9	440.0	388.2	358.1	299.5	328.1	309.7	304.3	301.5
32.5°	1560.8	1165.9	667.9	423.6	382.7	328.8	328.1	304.9	304.3	316.5	316.5
35°	1640.0	1183.6	609.9	484.4	360.9	339.0	311.8	308.3	294.7	289.9	289.2
37.5°	1718.4	1194.5	565.5	444.8	370.4	323.4	307.0	283.1	298.1	298.1	296.8
40°	1802.3	1206.1	525.3	408.6	340.4	323.4	284.5	282.4	262.0	263.3	262.0
42.5°	1892.4	1210.9	482.3	378.6	312.4	303.6	274.9	253.8	253.1	257.9	256.5
45°	1995.4	1217.0	442.7	340.4	284.5	267.4	245.6	247.0	259.9	270.8	270.8
47.5°	2105.2	1222.5	410.0	306.3	264.7	242.9	226.5	231.9	255.1	266.1	269.5
50°	2253.9	1229.3	372.5	278.3	251.0	224.4	221.7	226.5	251.7	259.9	256.5
52.5°	2412.2	1217.0	335.6	260.6	236.7	204.0	208.7	221.0	248.3	252.4	249.7
55°	2541.8	1186.3	307.0	249.0	226.5	195.1	201.9	216.9	242.9	244.9	245.6
57.5°	2692.6	1146.1	284.5	240.1	220.3	191.0	199.2	216.3	231.9	241.5	241.5
60°	2840.6	1099.0	270.8	235.4	215.6	191.0	199.2	215.6	229.9	240.1	239.4
62.5°	3013.9	1045.8	262.6	238.1	209.4	193.1	200.6	217.6	229.2	240.8	239.4
65°	3074.6	944.1	256.5	242.2	208.7	195.8	201.2	220.3	228.5	242.2	240.8
67.5°	2954.6	809.8	246.3	242.2	214.9	199.2	200.6	219.0	226.5	242.9	236.7
68°	2914.3	790.0	242.9	241.5	215.6	199.9	200.6	218.3	225.1	242.2	235.4
70°	2690.5	664.4	225.8	234.7	218.3	202.6	197.2	213.5	218.3	240.8	232.6
72.5°	2328.3	517.8	197.2	218.3	215.6	206.7	191.0	204.0	206.7	225.1	211.5
75°	1861.7	393.6	163.0	189.6	202.6	206.7	182.1	191.0	190.3	199.2	186.9
77.5°	1170.6	281.1	131.7	161.0	184.2	201.2	174.0	174.0	165.8	167.1	161.7
80°	567.6	192.4	106.4	133.0	154.2	190.3	159.6	146.7	136.4	133.7	126.9
82.5°	279.0	124.2	73.7	100.3	122.1	157.6	143.3	120.7	103.0	101.6	90.7
85°	64.8	51.2	40.2	53.2	77.1	103.0	103.0	75.7	64.1	83.2	61.4
87.5°	6.1	7.5	8.2	7.5	9.6	8.9	21.8	21.8	19.8	13.0	8.9
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)