

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: P415459

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415459
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-PA1-50-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5861 lumens
Efficiency: N/A
Efficacy: 108.5 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 - G1

Input Watts (W): 54
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

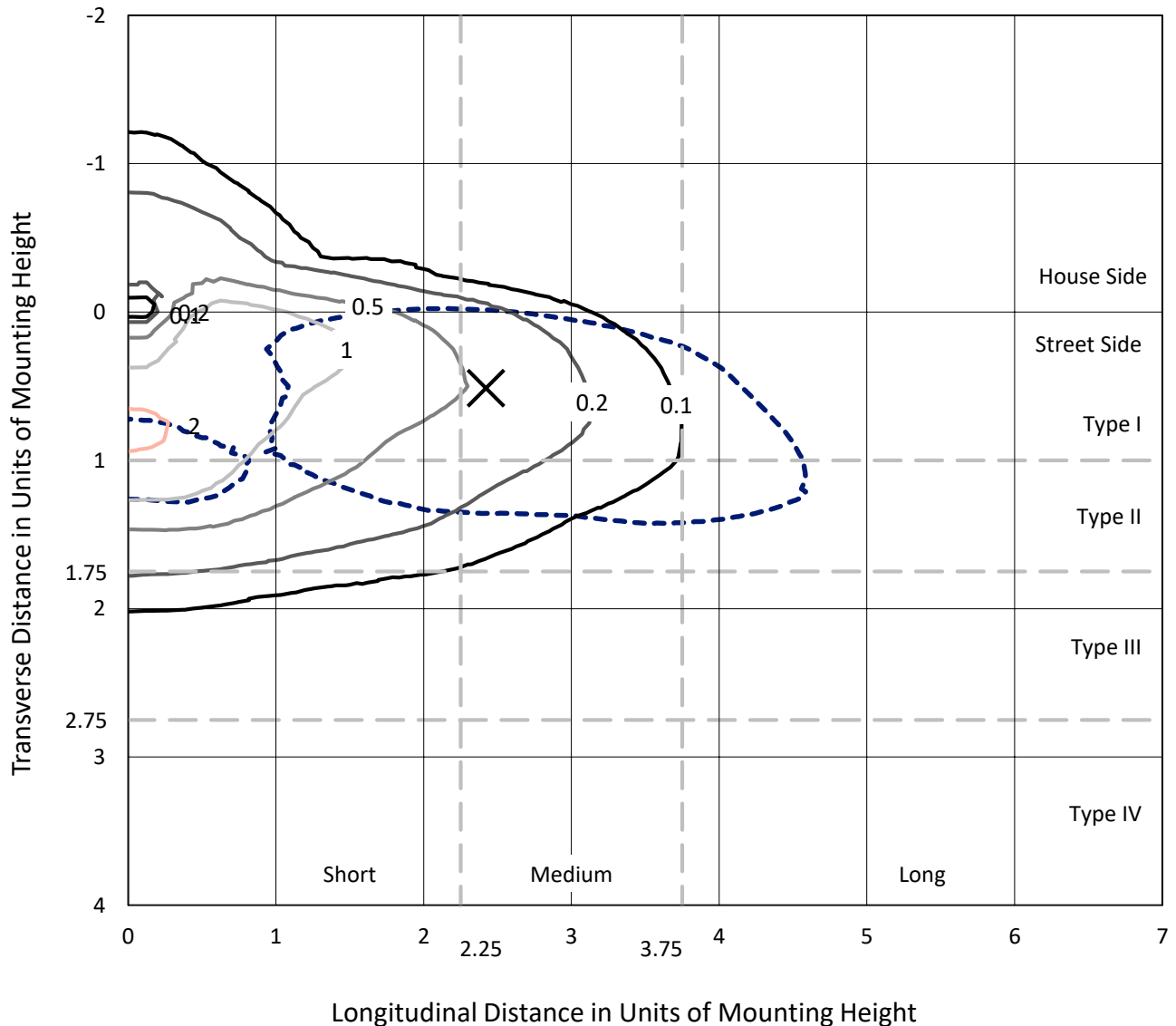


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Iso-Footcandle Lines of Horizontal Illumination

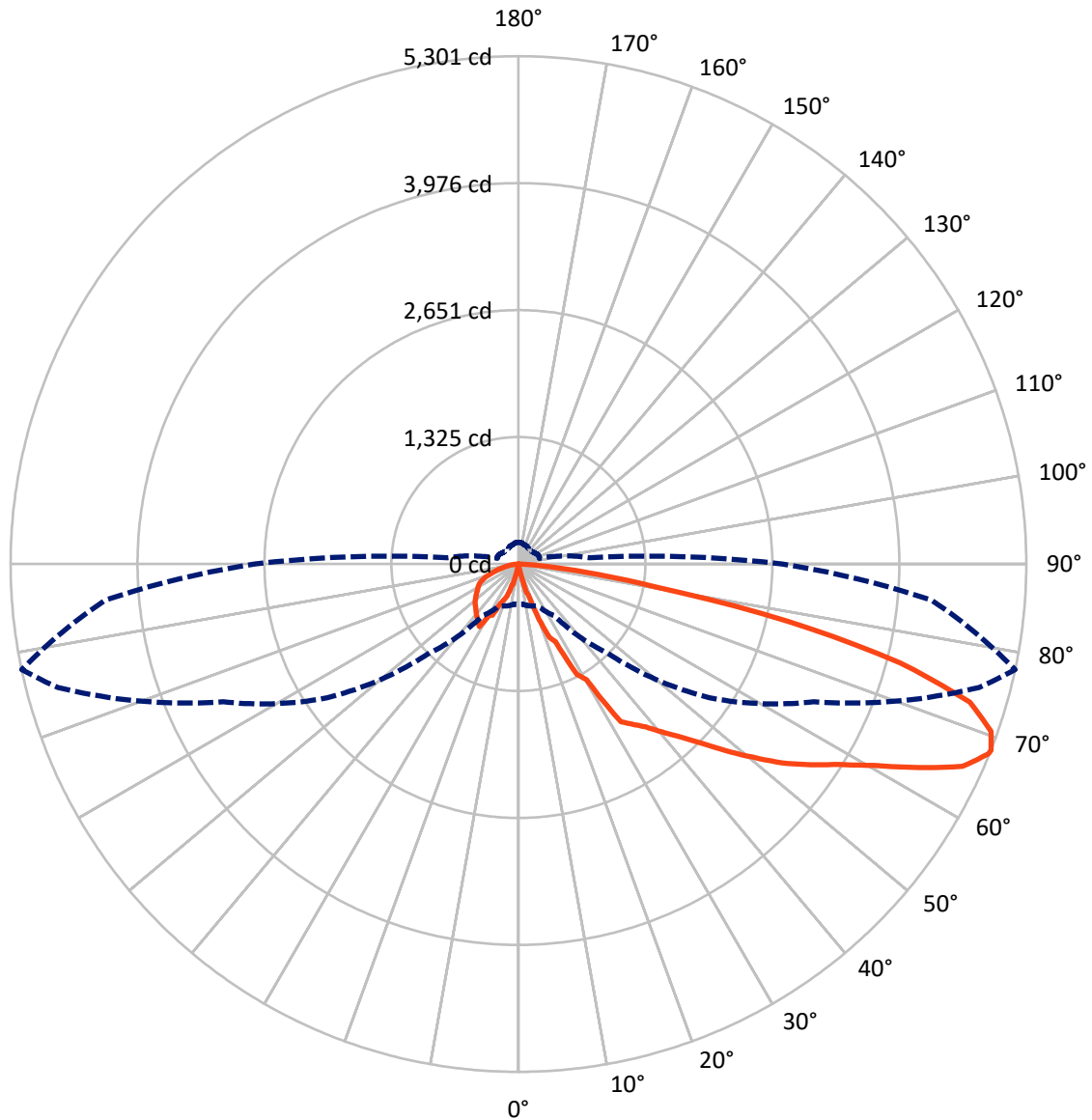
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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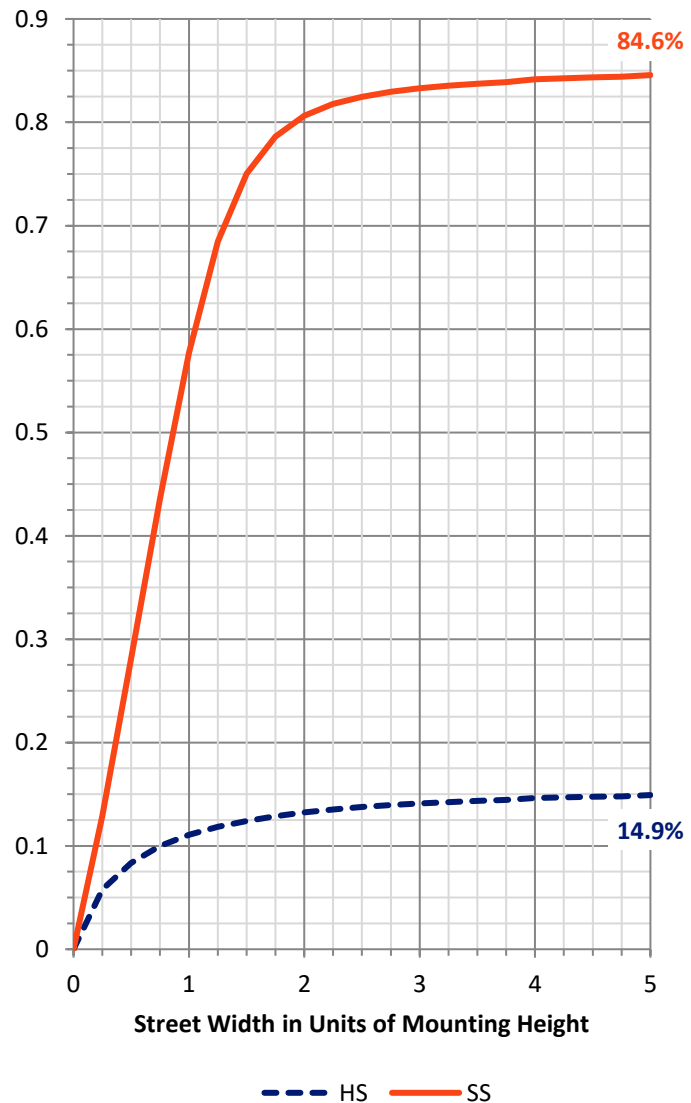
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	889.8	0.0	889.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4971.2	0.0	4971.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	5861.0	0.0	5861.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	84.9	1.4
20°-30°	323.4	5.5
30°-40°	755.1	12.9
40°-50°	1178.9	20.1
50°-60°	1353.3	23.1
60°-70°	1257.4	21.5
70°-80°	777.0	13.3
80°-90°	125.1	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°	5861.0	100.0
0°-180°	5861.0	100.0



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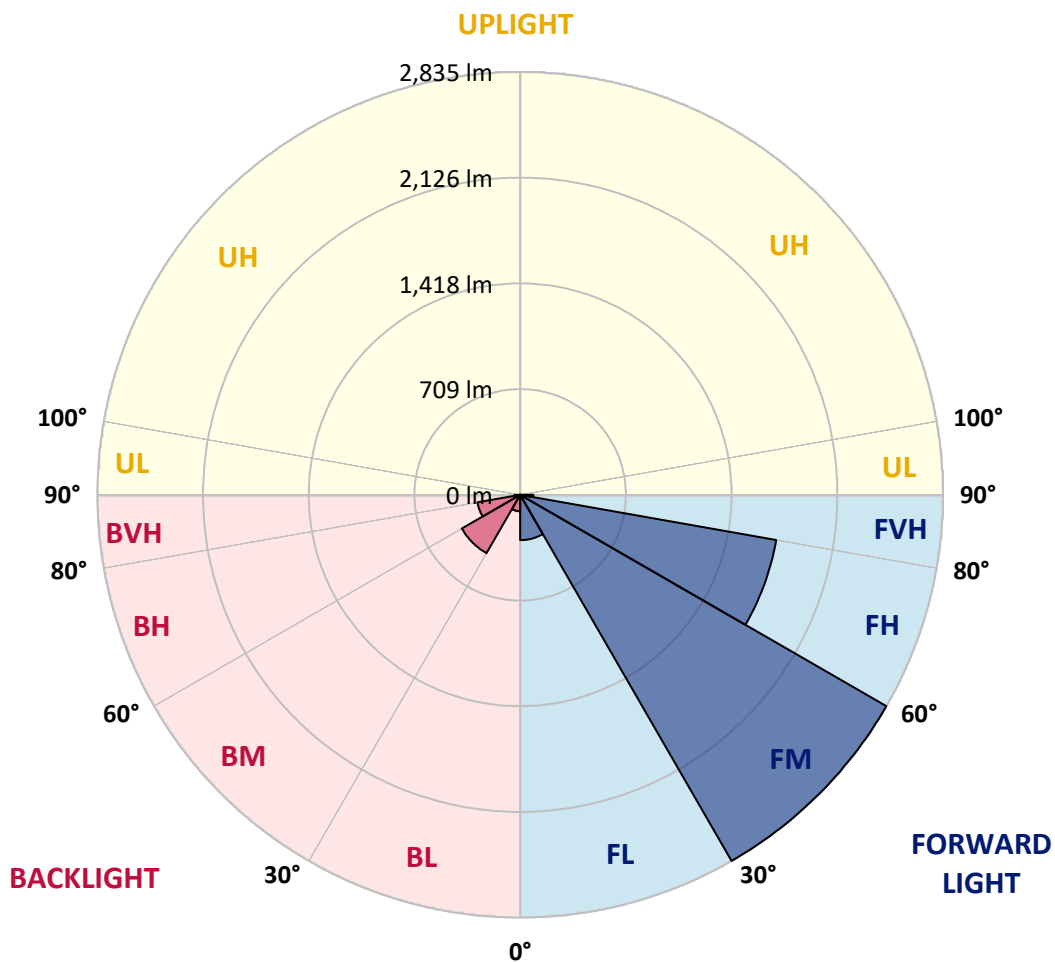
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.9	5.2			
FM	(30°-60°)	2835.2	48.4			
FH	(60°-80°)	1743.6	29.7			G1/1800
FVH	(80°-90°)	88.5	1.5			G1/100
BL	(0°-30°)	110.3	1.9	B1/500		
BM	(30°-60°)	452.1	7.7	B1/1000		
BH	(60°-80°)	290.9	5.0	B1/500		G1/500
BVH	(80°-90°)	36.6	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-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	4.5	4.5	5.1	5.8	7.1	6.4	4.5	3.2	2.6	2.6	2.6
5°	207.7	191.0	106.7	55.3	19.3	11.6	5.8	4.5	3.2	3.2	2.6
7.5°	234.7	233.4	231.5	229.6	226.3	214.1	22.5	6.4	3.9	3.9	2.6
10°	253.3	251.4	250.1	248.8	244.3	237.9	227.0	19.9	7.1	6.4	5.8
12.5°	491.9	490.6	488.7	312.5	264.9	257.9	248.2	177.5	20.6	30.9	93.2
15°	490.6	488.7	494.5	504.8	513.1	282.3	284.9	498.3	308.6	296.4	315.7
17.5°	511.8	509.3	502.8	509.9	525.3	590.3	558.1	539.5	363.3	346.6	336.9
20°	750.4	750.4	758.1	751.7	545.3	754.3	714.4	579.4	656.5	617.3	574.2
22.5°	794.1	790.9	792.2	805.1	946.5	781.9	788.3	893.8	912.4	833.4	714.4
25°	1129.1	1128.5	1084.1	850.7	998.0	942.7	1089.3	956.2	989.6	896.4	876.4
27.5°	1270.6	1271.9	1235.9	1203.7	1054.6	1222.4	1156.1	1259.0	1405.6	1306.0	1122.7
30°	1709.8	1693.1	1410.1	1378.6	1290.5	1288.6	1399.9	1486.7	1445.5	1398.6	1253.9
32.5°	2031.9	2015.2	1952.9	1734.9	1534.2	1435.2	1608.2	1555.5	1886.0	1963.1	1700.1
35°	2530.3	2524.5	2193.3	1968.3	1801.7	1735.5	1689.9	1895.0	2041.6	2053.2	1810.7
37.5°	2912.9	2894.2	2700.0	2303.3	2028.1	1875.0	1983.7	1986.9	2212.0	2157.3	1983.7
40°	3087.8	3076.2	2927.0	2554.7	2236.4	2063.4	2107.2	2125.8	2398.5	2303.9	2109.7
42.5°	3220.9	3206.7	3112.2	2705.8	2419.7	2254.4	2234.5	2251.2	2579.2	2464.1	2244.8
45°	3289.7	3281.3	3237.0	2813.2	2547.6	2376.0	2370.8	2361.8	2702.0	2661.5	2391.4
47.5°	3251.1	3242.1	3262.0	2959.2	2627.4	2475.6	2497.5	2481.4	2842.8	2909.0	2550.9
50°	3037.0	3045.3	3125.1	2965.0	2678.2	2556.6	2631.2	2591.4	3034.4	3170.1	2744.4
52.5°	2417.1	2451.2	2788.8	2836.4	2683.3	2594.6	2751.5	2759.2	3272.3	3449.2	2999.0
55°	1803.7	1851.9	2150.9	2522.6	2580.4	2595.9	2828.6	2912.9	3509.6	3697.4	3213.2
57.5°	1419.8	1449.4	1639.7	2012.7	2332.2	2550.2	2907.7	3037.6	3730.2	3945.6	3423.4
60°	1134.9	1116.9	1241.0	1524.0	1943.8	2422.3	2942.5	3200.3	4004.7	4265.8	3671.0
62.5°	820.5	821.8	916.3	1077.7	1538.7	2169.5	2915.5	3357.8	4354.5	4679.9	4000.9
65°	581.9	587.7	652.0	738.8	1112.4	1822.3	2781.7	3465.2	4749.3	5094.0	4269.0
67.5°	443.0	446.9	477.1	517.6	718.9	1386.4	2507.1	3443.4	4966.0	5290.1	4346.8
68°	425.0	418.6	452.7	482.3	661.7	1314.3	2431.9	3399.6	4976.3	5301.1	4328.2
70°	358.2	358.2	373.6	380.7	468.8	971.6	2063.4	3135.4	4939.7	5233.5	4186.7
72.5°	299.0	297.1	306.1	300.3	331.2	635.9	1498.9	2703.9	4678.0	4925.5	3765.5
75°	248.8	248.8	250.1	245.6	254.0	426.3	974.2	2118.1	4132.7	4112.8	3064.6
77.5°	212.2	207.1	205.8	199.3	206.4	309.9	597.4	1507.2	2983.6	2876.2	1945.8
80°	168.5	167.8	169.1	165.3	171.0	225.7	363.9	880.9	1624.9	1430.1	907.3
82.5°	104.2	114.5	126.0	126.0	144.0	159.5	220.6	471.3	787.7	692.5	385.2
85°	34.1	41.8	73.9	76.5	92.6	74.6	126.7	151.8	263.0	234.7	73.9
87.5°	1.3	1.9	5.8	9.0	8.4	5.1	9.0	7.1	14.8	10.9	11.6
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°	2.6	2.6	2.6	3.2	3.2	1.9	1.3	2.6	2.6	2.6	2.6
5°	2.6	2.6	3.2	3.2	3.2	2.6	3.2	4.5	5.1	5.1	5.1
7.5°	2.6	2.6	2.6	3.9	3.9	4.5	6.4	38.6	88.7	97.1	95.8
10°	5.1	4.5	5.1	5.8	7.1	82.3	108.0	113.8	116.4	118.3	117.7
12.5°	123.5	110.6	20.6	11.6	77.8	115.7	117.7	122.2	126.7	128.6	128.6
15°	289.4	259.1	198.1	149.2	133.1	123.5	125.4	164.6	223.8	229.6	230.2
17.5°	307.4	269.4	207.1	228.3	235.3	183.3	201.3	226.3	228.9	229.6	229.6
20°	579.4	485.5	294.5	240.5	239.8	306.7	214.8	221.2	225.1	255.9	259.8
22.5°	626.9	520.2	353.7	341.4	258.5	306.7	281.0	273.3	299.0	296.4	298.4
25°	788.3	624.4	372.3	342.7	362.0	297.1	329.9	272.0	276.5	275.2	275.2
27.5°	1002.5	787.7	520.2	383.9	351.7	343.4	305.4	261.7	313.8	315.1	315.1
30°	1061.6	810.2	520.2	414.7	365.9	337.6	282.3	309.3	291.9	286.8	284.2
32.5°	1471.2	1098.9	629.5	399.3	360.7	309.9	309.3	287.4	286.8	298.4	298.4
35°	1545.8	1115.6	574.9	456.5	340.2	319.6	293.9	290.6	277.8	273.3	272.6
37.5°	1619.8	1125.9	533.1	419.2	349.2	304.8	289.4	266.9	281.0	281.0	279.7
40°	1698.9	1136.9	495.1	385.2	320.9	304.8	268.1	266.2	246.9	248.2	246.9
42.5°	1783.7	1141.4	454.6	356.9	294.5	286.1	259.1	239.2	238.6	243.1	241.8
45°	1880.8	1147.1	417.3	320.9	268.1	252.1	231.5	232.8	245.0	255.3	255.3
47.5°	1984.4	1152.3	386.5	288.7	249.5	228.9	213.5	218.6	240.5	250.8	254.0
50°	2124.5	1158.7	351.1	262.4	236.6	211.6	209.0	213.5	237.3	245.0	241.8
52.5°	2273.7	1147.1	316.4	245.6	223.1	192.3	196.8	208.3	234.1	237.9	235.3
55°	2395.9	1118.2	289.4	234.7	213.5	183.9	190.3	204.5	228.9	230.8	231.5
57.5°	2538.0	1080.3	268.1	226.3	207.7	180.0	187.8	203.8	218.6	227.6	227.6
60°	2677.5	1035.9	255.3	221.8	203.2	180.0	187.8	203.2	216.7	226.3	225.7
62.5°	2840.9	985.7	247.6	224.4	197.4	182.0	189.0	205.1	216.1	227.0	225.7
65°	2898.1	889.9	241.8	228.3	196.8	184.5	189.7	207.7	215.4	228.3	227.0
67.5°	2784.9	763.3	232.1	228.3	202.6	187.8	189.0	206.4	213.5	228.9	223.1
68°	2747.0	744.6	228.9	227.6	203.2	188.4	189.0	205.8	212.2	228.3	221.8
70°	2536.1	626.3	212.8	221.2	205.8	191.0	185.8	201.3	205.8	227.0	219.3
72.5°	2194.6	488.1	185.8	205.8	203.2	194.8	180.0	192.3	194.8	212.2	199.3
75°	1754.8	371.0	153.7	178.8	191.0	194.8	171.7	180.0	179.4	187.8	176.2
77.5°	1103.4	264.9	124.1	151.8	173.6	189.7	164.0	164.0	156.3	157.5	152.4
80°	535.0	181.3	100.3	125.4	145.3	179.4	150.5	138.2	128.6	126.0	119.6
82.5°	263.0	117.0	69.4	94.5	115.1	148.5	135.0	113.8	97.1	95.8	85.5
85°	61.1	48.2	37.9	50.2	72.7	97.1	97.1	71.4	60.4	78.4	57.9
87.5°	5.8	7.1	7.7	7.1	9.0	8.4	20.6	20.6	18.6	12.2	8.4
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)