

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: P415043

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415043
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-PA1-40-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4545 lumens
Efficiency: N/A
Efficacy: 113.6 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

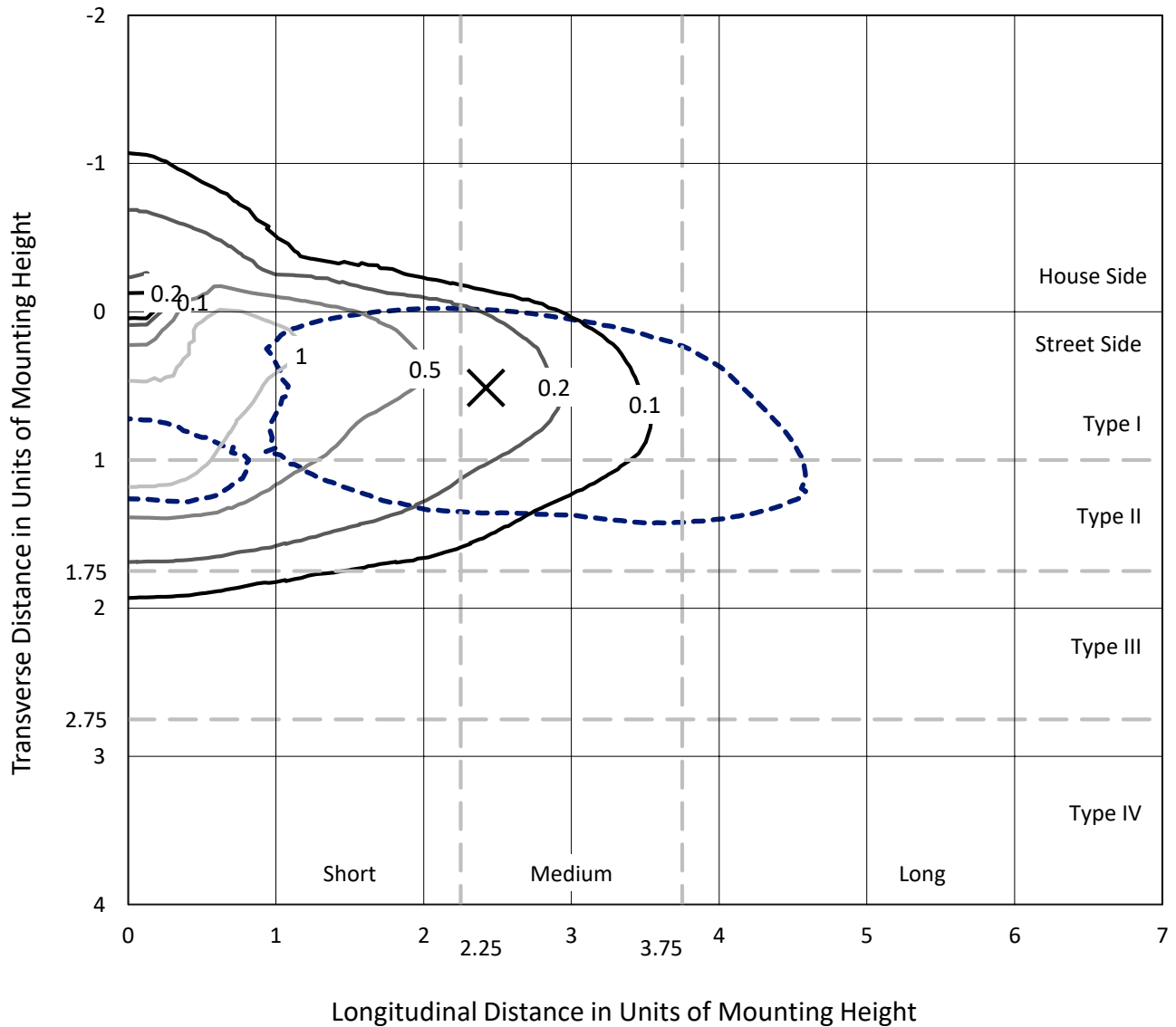
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

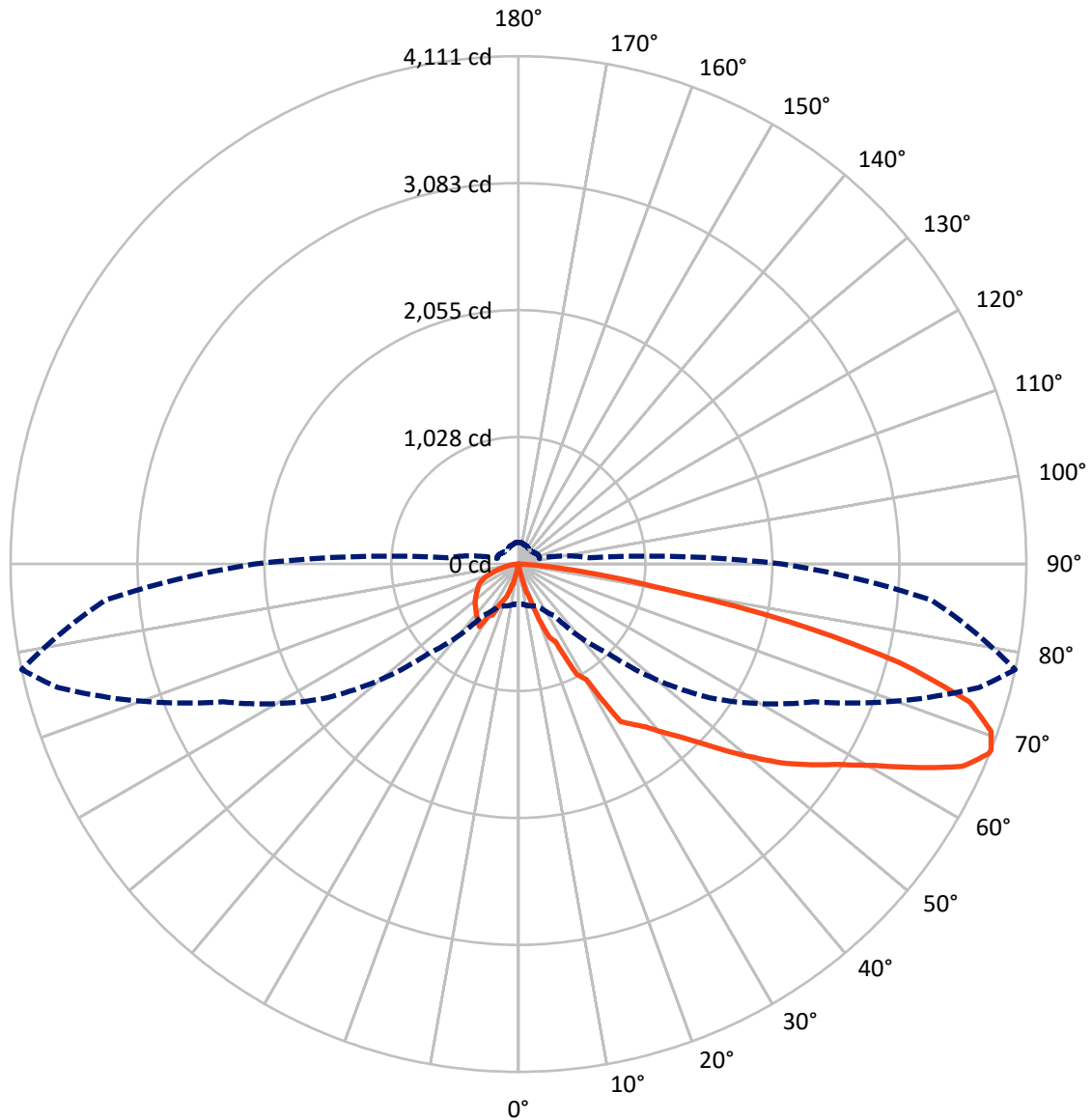
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type 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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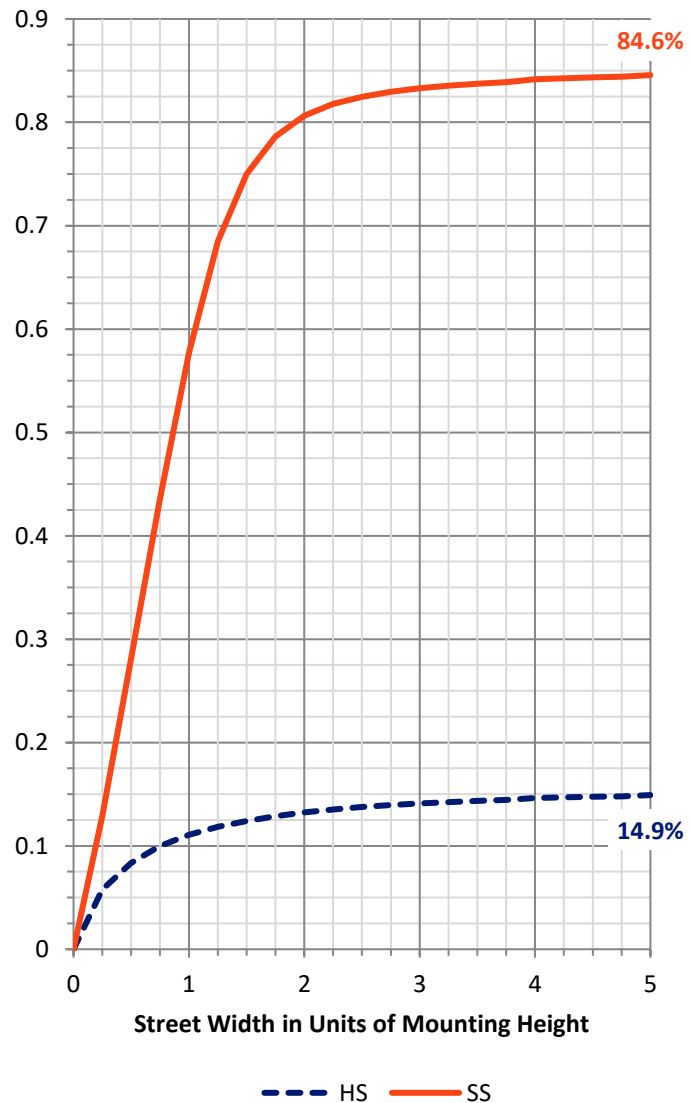
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	690.0	0.0	690.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3855.0	0.0	3855.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	4545.0	0.0	4545.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	65.9	1.4
20°-30°	250.8	5.5
30°-40°	585.6	12.9
40°-50°	914.2	20.1
50°-60°	1049.4	23.1
60°-70°	975.1	21.5
70°-80°	602.5	13.3
80°-90°	97.0	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°	4545.0	100.0
0°-180°	4545.0	100.0



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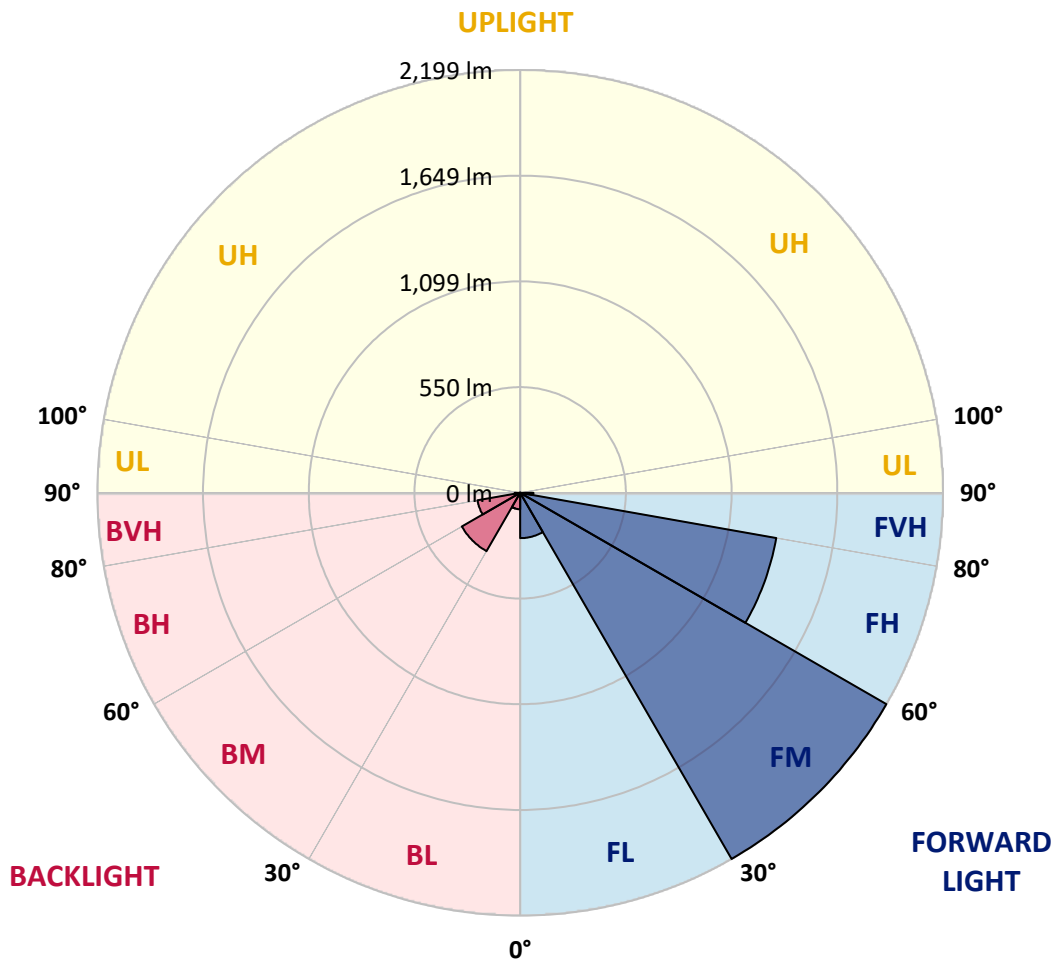
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.7	5.2			
FM	(30°-60°)	2198.6	48.4			
FH	(60°-80°)	1352.1	29.7			G1/1800
FVH	(80°-90°)	68.6	1.5			G1/100
BL	(0°-30°)	85.5	1.9	B0/110		
BM	(30°-60°)	350.6	7.7	B1/1000		
BH	(60°-80°)	225.5	5.0	B1/500		G1/500
BVH	(80°-90°)	28.4	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.5	3.5	4.0	4.5	5.5	5.0	3.5	2.5	2.0	2.0	2.0
5°	161.1	148.1	82.8	42.9	15.0	9.0	4.5	3.5	2.5	2.5	2.0
7.5°	182.0	181.0	179.5	178.0	175.5	166.0	17.5	5.0	3.0	3.0	2.0
10°	196.5	195.0	194.0	193.0	189.5	184.5	176.0	15.5	5.5	5.0	4.5
12.5°	381.5	380.5	379.0	242.3	205.4	200.0	192.5	137.6	16.0	23.9	72.3
15°	380.5	379.0	383.5	391.4	397.9	218.9	220.9	386.4	239.3	229.9	244.8
17.5°	396.9	394.9	389.9	395.4	407.4	457.8	432.8	418.4	281.7	268.8	261.3
20°	581.9	581.9	587.9	582.9	422.8	584.9	554.0	449.3	509.1	478.7	445.3
22.5°	615.8	613.3	614.3	624.3	734.0	606.3	611.3	693.1	707.6	646.2	554.0
25°	875.6	875.1	840.7	659.7	773.9	731.0	844.7	741.5	767.4	695.1	679.6
27.5°	985.3	986.3	958.4	933.5	817.8	947.9	896.6	976.3	1090.0	1012.7	870.6
30°	1325.9	1312.9	1093.5	1069.1	1000.8	999.3	1085.5	1152.9	1120.9	1084.5	972.3
32.5°	1575.7	1562.7	1514.4	1345.3	1189.8	1113.0	1247.1	1206.2	1462.5	1522.3	1318.4
35°	1962.1	1957.7	1700.9	1526.3	1397.2	1345.8	1310.4	1469.5	1583.2	1592.2	1404.2
37.5°	2258.8	2244.4	2093.8	1786.1	1572.7	1454.0	1538.3	1540.8	1715.3	1672.9	1538.3
40°	2394.5	2385.5	2269.8	1981.1	1734.3	1600.1	1634.0	1648.5	1859.9	1786.6	1636.0
42.5°	2497.7	2486.7	2413.4	2098.3	1876.4	1748.2	1732.8	1745.7	2000.0	1910.8	1740.7
45°	2551.0	2544.6	2510.1	2181.5	1975.6	1842.5	1838.5	1831.5	2095.3	2063.9	1854.4
47.5°	2521.1	2514.1	2529.6	2294.7	2037.4	1919.8	1936.7	1924.2	2204.5	2255.8	1978.1
50°	2355.1	2361.6	2423.4	2299.2	2076.8	1982.6	2040.4	2009.5	2353.1	2458.3	2128.2
52.5°	1874.4	1900.8	2162.6	2199.5	2080.8	2012.0	2133.7	2139.7	2537.6	2674.7	2325.7
55°	1398.7	1436.1	1667.9	1956.2	2001.0	2013.0	2193.5	2258.8	2721.6	2867.2	2491.7
57.5°	1101.0	1123.9	1271.5	1560.7	1808.6	1977.6	2254.8	2355.6	2892.6	3059.6	2654.8
60°	880.1	866.1	962.4	1181.8	1507.4	1878.4	2281.8	2481.7	3105.5	3308.0	2846.7
62.5°	636.3	637.3	710.6	835.7	1193.2	1682.4	2260.8	2603.9	3376.8	3629.1	3102.5
65°	451.3	455.8	505.6	572.9	862.6	1413.1	2157.1	2687.2	3682.9	3950.2	3310.5
67.5°	343.6	346.6	370.0	401.4	557.5	1075.1	1944.2	2670.2	3851.0	4102.3	3370.8
68°	329.6	324.6	351.0	374.0	513.1	1019.2	1885.9	2636.3	3859.0	4110.8	3356.3
70°	277.7	277.7	289.7	295.2	363.5	753.4	1600.1	2431.4	3830.5	4058.4	3246.6
72.5°	231.9	230.4	237.4	232.9	256.8	493.2	1162.3	2096.8	3627.6	3819.6	2920.0
75°	193.0	193.0	194.0	190.5	197.0	330.6	755.4	1642.5	3204.8	3189.3	2376.5
77.5°	164.6	160.6	159.6	154.6	160.1	240.3	463.2	1168.8	2313.7	2230.4	1508.9
80°	130.6	130.1	131.1	128.2	132.6	175.0	282.2	683.1	1260.1	1109.0	703.6
82.5°	80.8	88.8	97.7	97.7	111.7	123.7	171.0	365.5	610.8	537.0	298.7
85°	26.4	32.4	57.3	59.3	71.8	57.8	98.2	117.7	203.9	182.0	57.3
87.5°	1.0	1.5	4.5	7.0	6.5	4.0	7.0	5.5	11.5	8.5	9.0
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.0	2.0	2.0	2.5	2.5	1.5	1.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.5	2.5	2.5	2.0	2.5	3.5	4.0	4.0	4.0
7.5°	2.0	2.0	2.0	3.0	3.0	3.5	5.0	29.9	68.8	75.3	74.3
10°	4.0	3.5	4.0	4.5	5.5	63.8	83.8	88.3	90.3	91.7	91.3
12.5°	95.7	85.8	16.0	9.0	60.3	89.8	91.3	94.7	98.2	99.7	99.7
15°	224.4	201.0	153.6	115.7	103.2	95.7	97.2	127.7	173.5	178.0	178.5
17.5°	238.3	208.9	160.6	177.0	182.5	142.1	156.1	175.5	177.5	178.0	178.0
20°	449.3	376.5	228.4	186.5	186.0	237.9	166.5	171.5	174.5	198.5	201.5
22.5°	486.2	403.4	274.3	264.8	200.5	237.9	217.9	211.9	231.9	229.9	231.4
25°	611.3	484.2	288.7	265.8	280.7	230.4	255.8	210.9	214.4	213.4	213.4
27.5°	777.4	610.8	403.4	297.7	272.8	266.3	236.9	202.9	243.3	244.3	244.3
30°	823.3	628.3	403.4	321.6	283.7	261.8	218.9	239.8	226.4	222.4	220.4
32.5°	1140.9	852.2	488.2	309.7	279.7	240.3	239.8	222.9	222.4	231.4	231.4
35°	1198.7	865.1	445.8	354.0	263.8	247.8	227.9	225.4	215.4	211.9	211.4
37.5°	1256.1	873.1	413.4	325.1	270.8	236.4	224.4	206.9	217.9	217.9	216.9
40°	1317.4	881.6	384.0	298.7	248.8	236.4	207.9	206.4	191.5	192.5	191.5
42.5°	1383.2	885.1	352.5	276.7	228.4	221.9	201.0	185.5	185.0	188.5	187.5
45°	1458.5	889.6	323.6	248.8	207.9	195.5	179.5	180.5	190.0	198.0	198.0
47.5°	1538.8	893.6	299.7	223.9	193.5	177.5	165.5	169.5	186.5	194.5	197.0
50°	1647.5	898.5	272.3	203.4	183.5	164.1	162.1	165.5	184.0	190.0	187.5
52.5°	1763.2	889.6	245.3	190.5	173.0	149.1	152.6	161.6	181.5	184.5	182.5
55°	1857.9	867.1	224.4	182.0	165.5	142.6	147.6	158.6	177.5	179.0	179.5
57.5°	1968.1	837.7	207.9	175.5	161.1	139.6	145.6	158.1	169.5	176.5	176.5
60°	2076.3	803.3	198.0	172.0	157.6	139.6	145.6	157.6	168.0	175.5	175.0
62.5°	2203.0	764.4	192.0	174.0	153.1	141.1	146.6	159.1	167.5	176.0	175.0
65°	2247.4	690.1	187.5	177.0	152.6	143.1	147.1	161.1	167.0	177.0	176.0
67.5°	2159.6	591.9	180.0	177.0	157.1	145.6	146.6	160.1	165.5	177.5	173.0
68°	2130.2	577.4	177.5	176.5	157.6	146.1	146.6	159.6	164.6	177.0	172.0
70°	1966.6	485.7	165.0	171.5	159.6	148.1	144.1	156.1	159.6	176.0	170.0
72.5°	1701.9	378.5	144.1	159.6	157.6	151.1	139.6	149.1	151.1	164.6	154.6
75°	1360.8	287.7	119.2	138.6	148.1	151.1	133.1	139.6	139.1	145.6	136.6
77.5°	855.7	205.4	96.2	117.7	134.6	147.1	127.2	127.2	121.2	122.2	118.2
80°	414.9	140.6	77.8	97.2	112.7	139.1	116.7	107.2	99.7	97.7	92.7
82.5°	203.9	90.8	53.9	73.3	89.3	115.2	104.7	88.3	75.3	74.3	66.3
85°	47.4	37.4	29.4	38.9	56.3	75.3	75.3	55.3	46.9	60.8	44.9
87.5°	4.5	5.5	6.0	5.5	7.0	6.5	16.0	16.0	14.5	9.5	6.5
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)