

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: P416083

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416083
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-PA1-60-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 5466 lumens
Efficiency: N/A
Efficacy: 85.4 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): 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

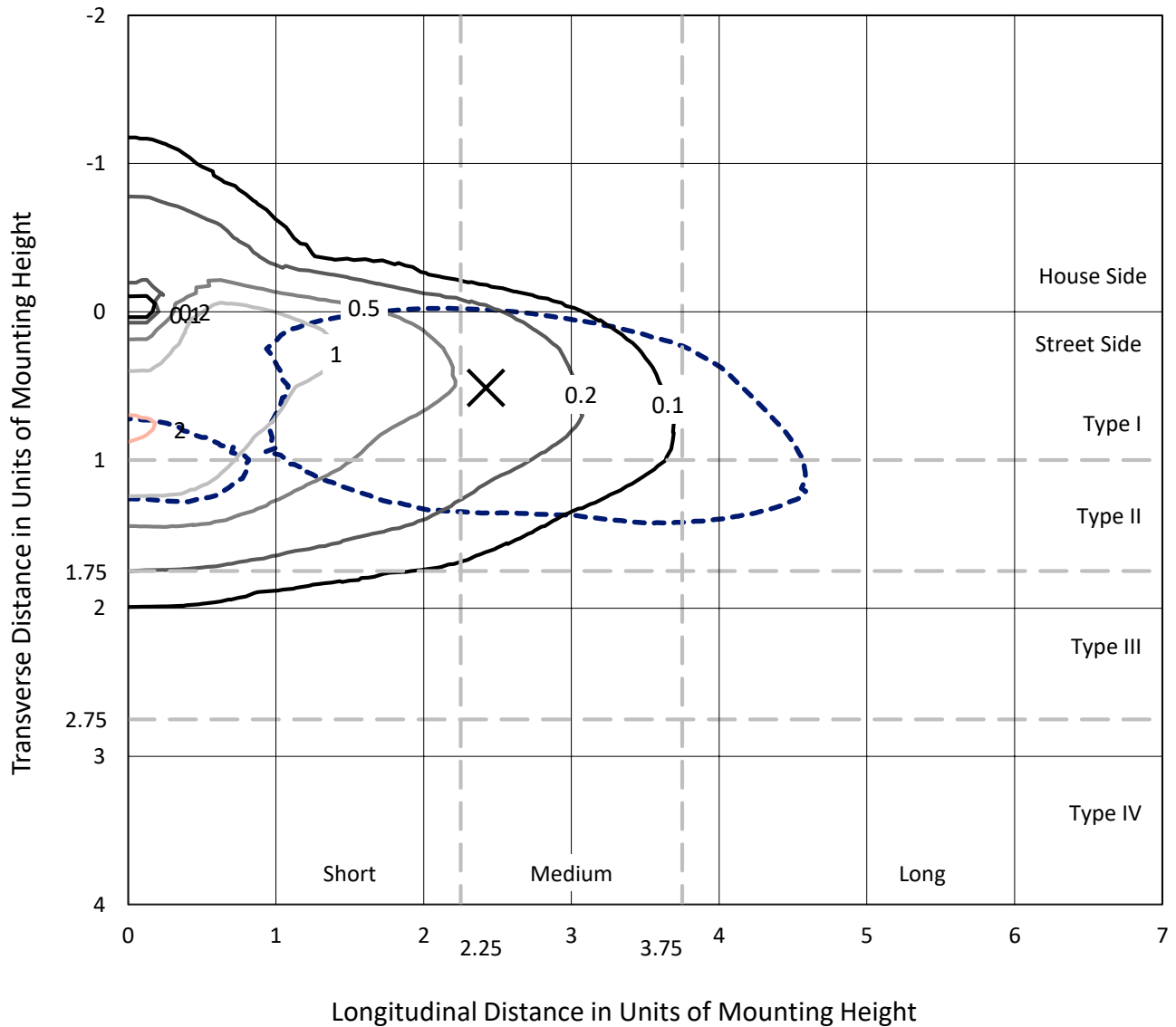


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Iso-Footcandle Lines of Horizontal Illumination

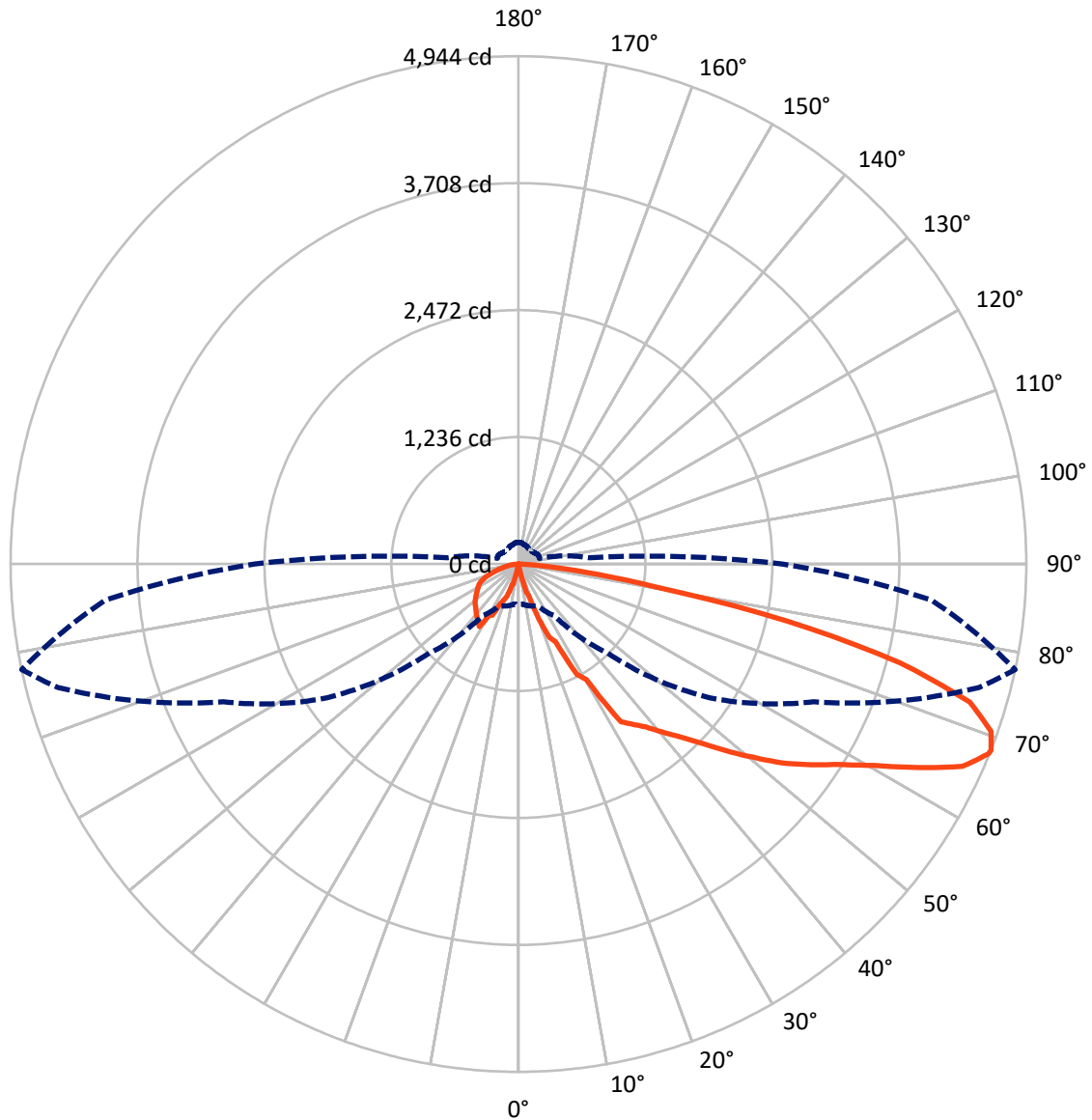
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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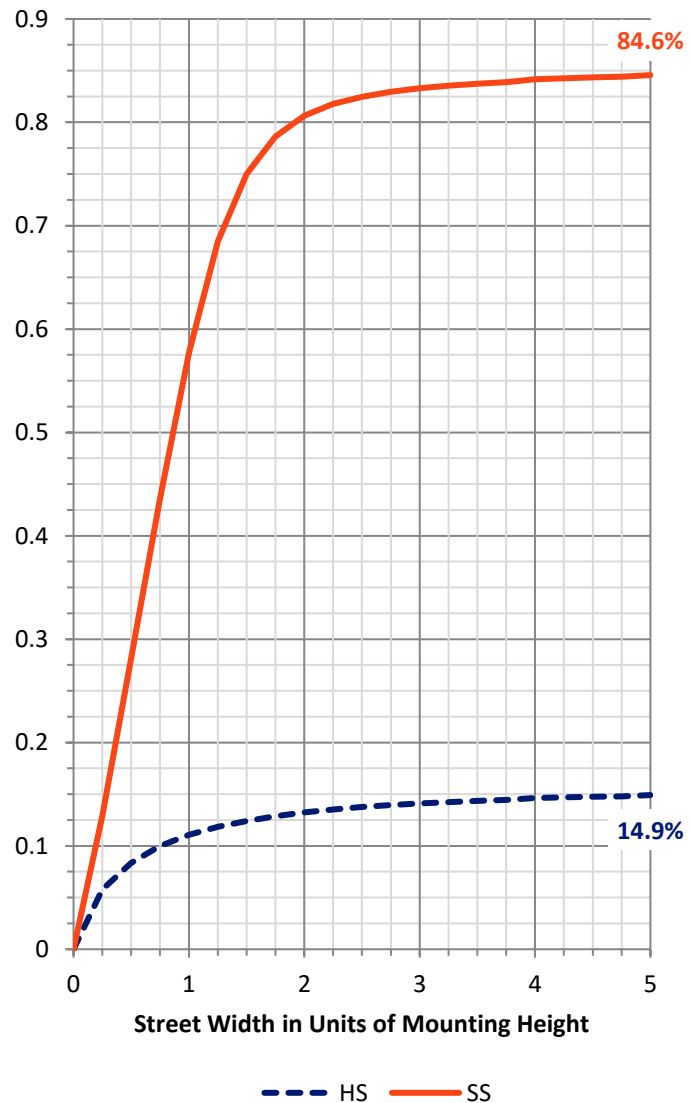
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.9	0.0	829.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4636.1	0.0	4636.1
	% Fixture	84.8	0.0	84.8
Total	Lumens	5466.0	0.0	5466.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	79.2	1.4
20°-30°	301.6	5.5
30°-40°	704.2	12.9
40°-50°	1099.4	20.1
50°-60°	1262.1	23.1
60°-70°	1172.7	21.5
70°-80°	724.6	13.3
80°-90°	116.7	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°	5466.0	100.0
0°-180°	5466.0	100.0



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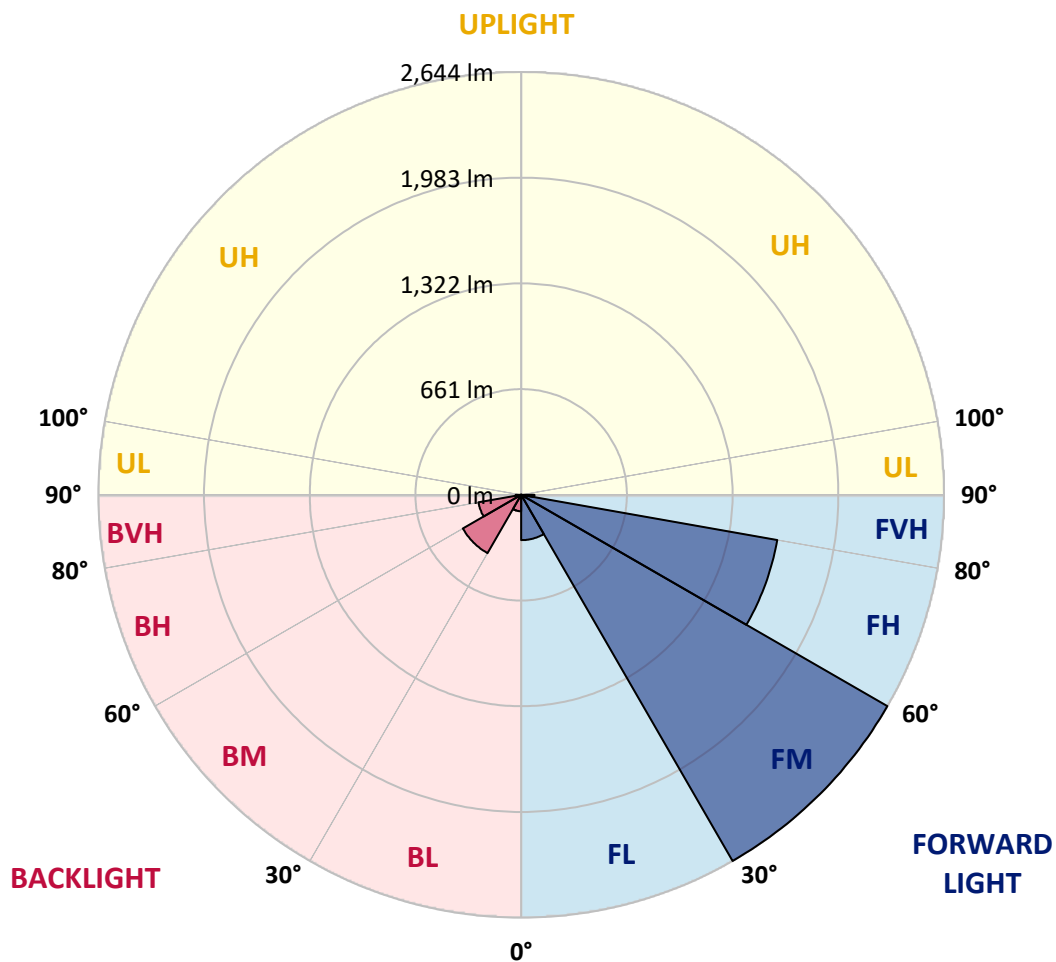
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.4	5.2			
FM (30°-60°)	2644.1	48.4			
FH (60°-80°)	1626.1	29.7			G1/1800
FVH (80°-90°)	82.5	1.5			G1/100
BL (0°-30°)	102.9	1.9	B0/110		
BM (30°-60°)	421.6	7.7	B1/1000		
BH (60°-80°)	271.2	5.0	B1/500		G1/500
BVH (80°-90°)	34.1	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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.2	4.2	4.8	5.4	6.6	6.0	4.2	3.0	2.4	2.4	2.4
5°	193.7	178.1	99.5	51.6	18.0	10.8	5.4	4.2	3.0	3.0	2.4
7.5°	218.9	217.7	215.9	214.1	211.1	199.7	21.0	6.0	3.6	3.6	2.4
10°	236.3	234.5	233.3	232.1	227.9	221.9	211.7	18.6	6.6	6.0	5.4
12.5°	458.8	457.6	455.8	291.4	247.1	240.5	231.5	165.5	19.2	28.8	87.0
15°	457.6	455.8	461.2	470.8	478.5	263.3	265.7	464.8	287.8	276.5	294.4
17.5°	477.3	474.9	469.0	475.5	489.9	550.5	520.5	503.1	338.8	323.2	314.2
20°	699.8	699.8	707.0	701.0	508.5	703.4	666.2	540.3	612.3	575.7	535.5
22.5°	740.6	737.6	738.8	750.8	882.7	729.2	735.2	833.6	851.0	777.2	666.2
25°	1053.0	1052.4	1011.1	793.4	930.7	879.1	1015.9	891.7	922.9	836.0	817.4
27.5°	1185.0	1186.2	1152.6	1122.6	983.5	1140.0	1078.2	1174.2	1310.9	1218.0	1047.0
30°	1594.6	1579.0	1315.1	1285.7	1203.6	1201.8	1305.5	1386.5	1348.1	1304.3	1169.4
32.5°	1895.0	1879.4	1821.2	1617.9	1430.8	1338.5	1499.8	1450.6	1758.9	1830.8	1585.6
35°	2359.8	2354.4	2045.5	1835.6	1680.3	1618.5	1576.0	1767.3	1904.0	1914.8	1688.7
37.5°	2716.6	2699.2	2518.1	2148.1	1891.4	1748.7	1850.0	1853.0	2062.9	2011.9	1850.0
40°	2879.7	2868.9	2729.8	2382.5	2085.7	1924.4	1965.2	1982.6	2236.8	2148.7	1967.6
42.5°	3003.8	2990.6	2902.5	2523.5	2256.6	2102.5	2083.9	2099.5	2405.3	2298.0	2093.5
45°	3068.0	3060.2	3018.8	2623.6	2375.9	2215.8	2211.0	2202.6	2519.9	2482.1	2230.2
47.5°	3032.0	3023.6	3042.2	2759.7	2450.3	2308.8	2329.2	2314.2	2651.2	2713.0	2378.9
50°	2832.3	2840.1	2914.5	2765.1	2497.7	2384.3	2453.9	2416.7	2829.9	2956.4	2559.4
52.5°	2254.2	2286.0	2600.8	2645.2	2502.5	2419.7	2566.0	2573.2	3051.8	3216.7	2796.9
55°	1682.1	1727.1	2005.9	2352.6	2406.5	2420.9	2638.0	2716.6	3273.1	3448.2	2996.6
57.5°	1324.1	1351.7	1529.2	1877.0	2175.1	2378.3	2711.8	2832.9	3478.8	3679.7	3192.7
60°	1058.4	1041.7	1157.4	1421.2	1812.8	2259.0	2744.2	2984.6	3734.8	3978.3	3423.6
62.5°	765.2	766.4	854.5	1005.1	1435.0	2023.3	2719.0	3131.5	4061.1	4364.5	3731.2
65°	542.7	548.1	608.1	689.0	1037.5	1699.5	2594.2	3231.7	4429.3	4750.7	3981.3
67.5°	413.2	416.8	445.0	482.7	670.4	1292.9	2338.2	3211.3	4631.4	4933.6	4053.9
68°	396.4	390.4	422.2	449.8	617.1	1225.8	2268.0	3170.5	4641.0	4943.8	4036.5
70°	334.0	334.0	348.4	355.0	437.2	906.1	1924.4	2924.1	4606.8	4880.8	3904.5
72.5°	278.9	277.1	285.4	280.1	308.8	593.1	1397.9	2521.7	4362.7	4593.6	3511.7
75°	232.1	232.1	233.3	229.1	236.9	397.6	908.5	1975.4	3854.2	3835.6	2858.1
77.5°	197.9	193.1	191.9	185.9	192.5	289.0	557.1	1405.7	2782.5	2682.4	1814.6
80°	157.1	156.5	157.7	154.1	159.5	210.5	339.4	821.6	1515.4	1333.7	846.2
82.5°	97.1	106.7	117.5	117.5	134.3	148.7	205.7	439.6	734.6	645.9	359.2
85°	31.8	39.0	69.0	71.4	86.4	69.6	118.1	141.5	245.3	218.9	69.0
87.5°	1.2	1.8	5.4	8.4	7.8	4.8	8.4	6.6	13.8	10.2	10.8
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.4	2.4	2.4	3.0	3.0	1.8	1.2	2.4	2.4	2.4	2.4
5°	2.4	2.4	3.0	3.0	3.0	2.4	3.0	4.2	4.8	4.8	4.8
7.5°	2.4	2.4	2.4	3.6	3.6	4.2	6.0	36.0	82.8	90.6	89.4
10°	4.8	4.2	4.8	5.4	6.6	76.8	100.7	106.1	108.5	110.3	109.7
12.5°	115.1	103.1	19.2	10.8	72.6	107.9	109.7	113.9	118.1	119.9	119.9
15°	269.9	241.7	184.7	139.1	124.1	115.1	116.9	153.5	208.7	214.1	214.7
17.5°	286.6	251.3	193.1	212.9	219.5	170.9	187.7	211.1	213.5	214.1	214.1
20°	540.3	452.8	274.7	224.3	223.7	286.0	200.3	206.3	209.9	238.7	242.3
22.5°	584.7	485.1	329.8	318.4	241.1	286.0	262.1	254.9	278.9	276.5	278.3
25°	735.2	582.3	347.2	319.6	337.6	277.1	307.6	253.7	257.9	256.7	256.7
27.5°	934.9	734.6	485.1	358.0	328.0	320.2	284.8	244.1	292.6	293.8	293.8
30°	990.1	755.6	485.1	386.8	341.2	314.8	263.3	288.4	272.3	267.5	265.1
32.5°	1372.1	1024.9	587.1	372.4	336.4	289.0	288.4	268.1	267.5	278.3	278.3
35°	1441.6	1040.5	536.1	425.8	317.2	298.0	274.1	271.1	259.1	254.9	254.3
37.5°	1510.6	1050.0	497.1	391.0	325.6	284.2	269.9	248.9	262.1	262.1	260.9
40°	1584.4	1060.2	461.8	359.2	299.2	284.2	250.1	248.3	230.3	231.5	230.3
42.5°	1663.5	1064.4	424.0	332.8	274.7	266.9	241.7	223.1	222.5	226.7	225.5
45°	1754.1	1069.8	389.2	299.2	250.1	235.1	215.9	217.1	228.5	238.1	238.1
47.5°	1850.6	1074.6	360.4	269.3	232.7	213.5	199.1	203.9	224.3	233.9	236.9
50°	1981.4	1080.6	327.4	244.7	220.7	197.3	194.9	199.1	221.3	228.5	225.5
52.5°	2120.5	1069.8	295.0	229.1	208.1	179.3	183.5	194.3	218.3	221.9	219.5
55°	2234.4	1042.8	269.9	218.9	199.1	171.5	177.5	190.7	213.5	215.3	215.9
57.5°	2367.0	1007.5	250.1	211.1	193.7	167.9	175.1	190.1	203.9	212.3	212.3
60°	2497.1	966.1	238.1	206.9	189.5	167.9	175.1	189.5	202.1	211.1	210.5
62.5°	2649.4	919.3	230.9	209.3	184.1	169.7	176.3	191.3	201.5	211.7	210.5
65°	2702.8	830.0	225.5	212.9	183.5	172.1	176.9	193.7	200.9	212.9	211.7
67.5°	2597.2	711.8	216.5	212.9	188.9	175.1	176.3	192.5	199.1	213.5	208.1
68°	2561.8	694.4	213.5	212.3	189.5	175.7	176.3	191.9	197.9	212.9	206.9
70°	2365.2	584.1	198.5	206.3	191.9	178.1	173.3	187.7	191.9	211.7	204.5
72.5°	2046.7	455.2	173.3	191.9	189.5	181.7	167.9	179.3	181.7	197.9	185.9
75°	1636.5	346.0	143.3	166.7	178.1	181.7	160.1	167.9	167.3	175.1	164.3
77.5°	1029.1	247.1	115.7	141.5	161.9	176.9	152.9	152.9	145.7	146.9	142.1
80°	498.9	169.1	93.6	116.9	135.5	167.3	140.3	128.9	119.9	117.5	111.5
82.5°	245.3	109.1	64.8	88.2	107.3	138.5	125.9	106.1	90.6	89.4	79.8
85°	57.0	45.0	35.4	46.8	67.8	90.6	90.6	66.6	56.4	73.2	54.0
87.5°	5.4	6.6	7.2	6.6	8.4	7.8	19.2	19.2	17.4	11.4	7.8
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)