

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: P695240

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3600 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

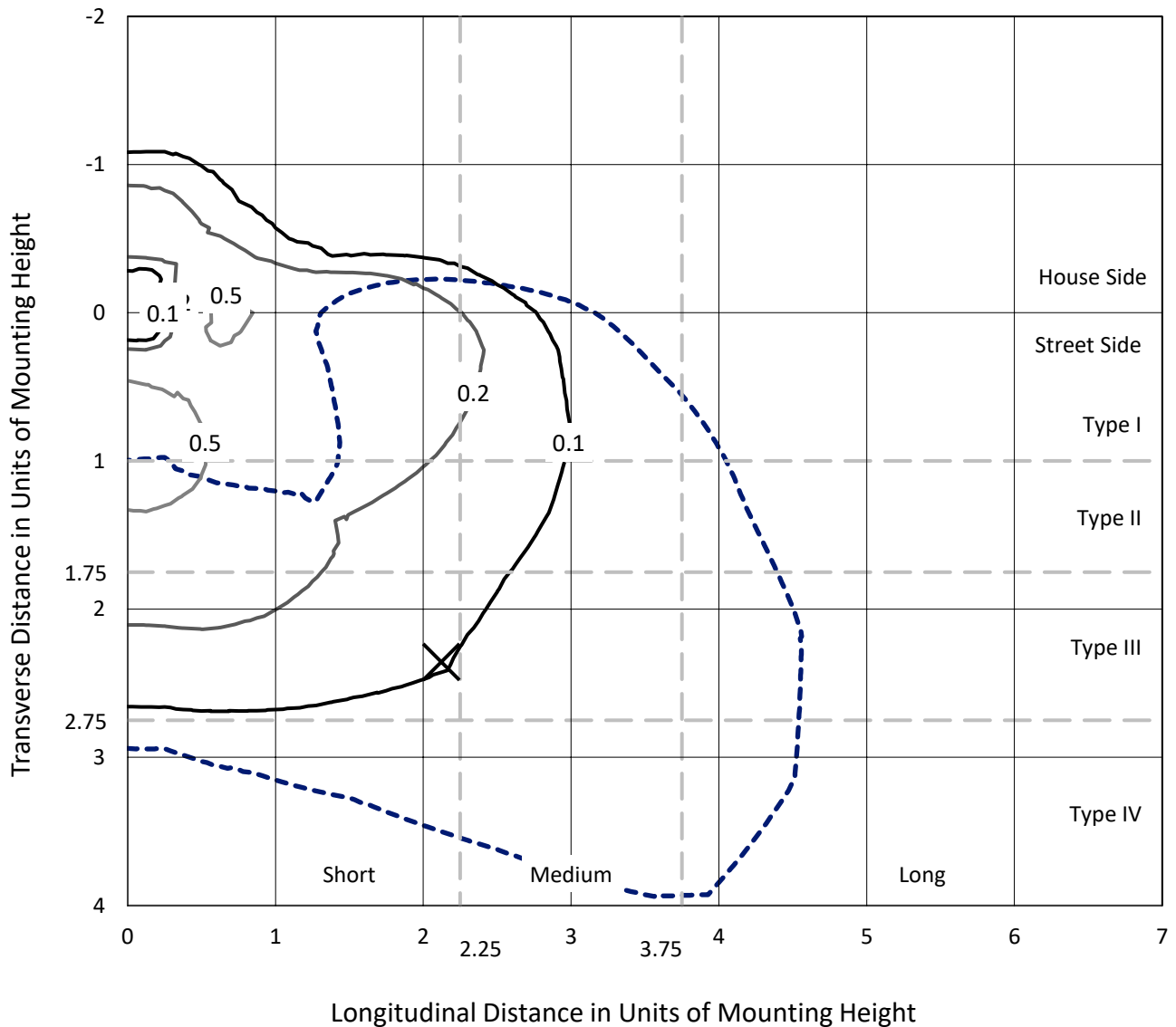
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

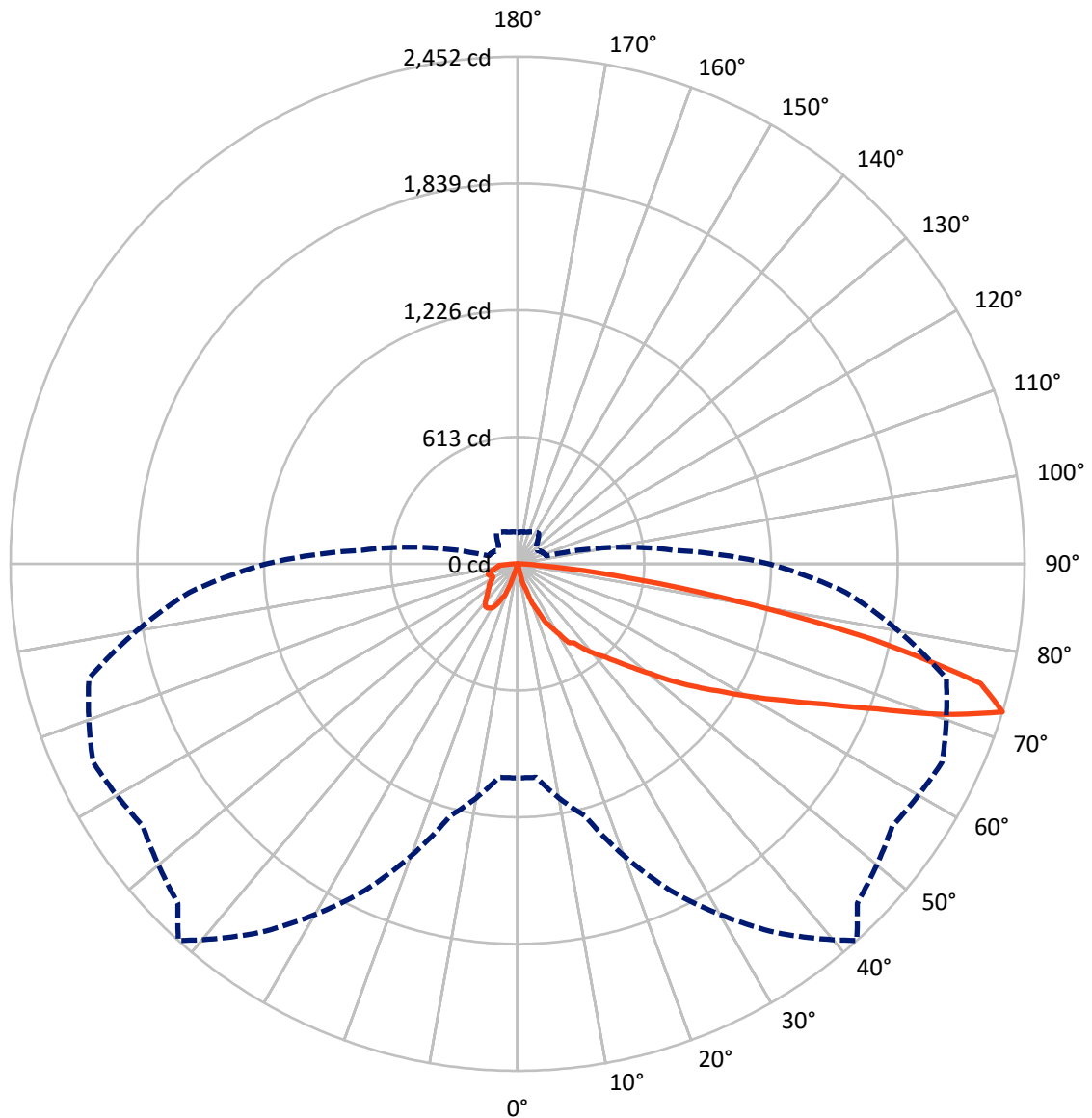
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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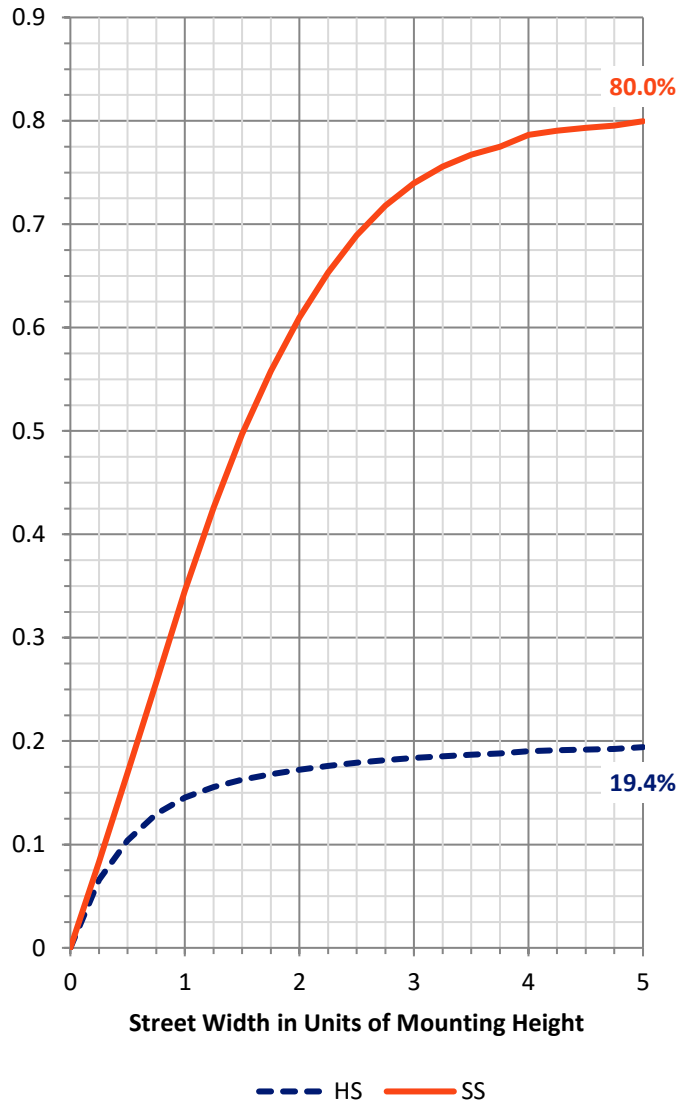
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	717.8	0.0	717.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2882.2	0.0	2882.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	3600.0	0.0	3600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	25.5	0.7
20°-30°	136.7	3.8
30°-40°	309.6	8.6
40°-50°	458.1	12.7
50°-60°	704.2	19.6
60°-70°	1033.3	28.7
70°-80°	826.2	22.9
80°-90°	106.3	3.0
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°	3600.0	100.0
0°-180°	3600.0	100.0

Coefficient of Utilization

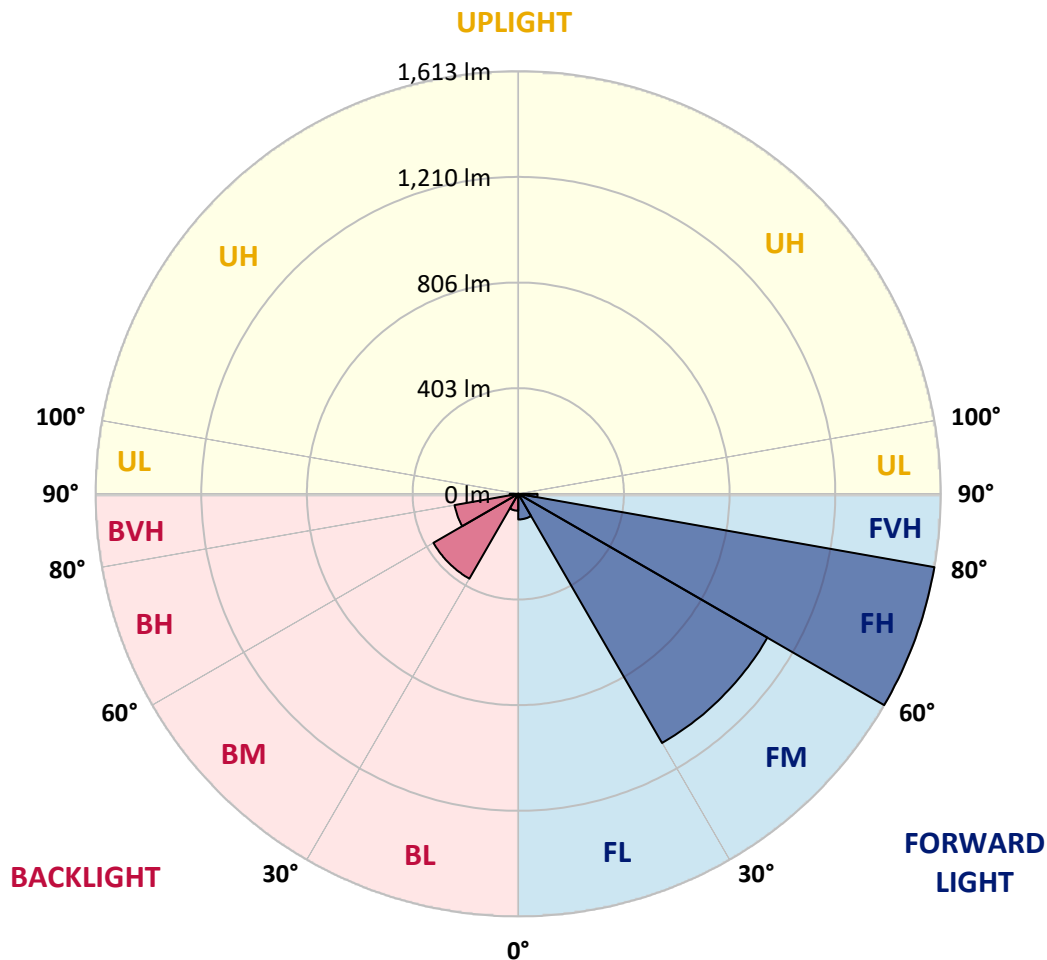


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.8	2.7			
FM (30°-60°)	1098.1	30.5			
FH (60°-80°)	1612.8	44.8			G1/1800
FVH (80°-90°)	73.4	2.0			G1/100
BL (0°-30°)	64.6	1.8	B0/110		
BM (30°-60°)	373.8	10.4	B1/1000		
BH (60°-80°)	246.6	6.8	B1/500		G1/500
BVH (80°-90°)	32.8	0.9			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10°	30.8	28.3	24.6	9.9	3.7	1.2	1.2	1.2	1.2	1.2	1.2
12.5°	131.8	131.8	128.1	118.3	27.1	14.8	7.4	2.5	8.6	18.5	23.4
15°	150.3	150.3	145.4	138.0	125.7	104.7	51.8	23.4	102.3	112.1	109.7
17.5°	268.6	247.7	181.1	156.5	140.5	128.1	126.9	117.1	128.1	125.7	123.2
20°	311.7	310.5	299.4	280.9	167.6	204.5	207.0	193.5	147.9	182.4	229.2
22.5°	337.6	332.7	313.0	292.0	308.1	245.2	226.7	213.2	246.4	273.5	267.4
25°	455.9	453.5	437.4	315.4	326.5	311.7	299.4	304.4	313.0	300.7	304.4
27.5°	485.5	479.3	458.4	411.6	356.1	346.2	370.9	332.7	368.4	442.4	433.7
30°	703.6	695.0	585.3	454.7	426.3	394.3	388.1	415.3	447.3	459.6	455.9
32.5°	799.7	789.8	750.4	596.4	459.6	455.9	433.7	451.0	459.6	568.0	603.8
35°	916.8	906.9	856.4	677.7	554.5	469.5	474.4	457.1	542.2	581.6	623.5
37.5°	998.1	988.2	958.7	747.9	617.3	523.7	494.1	510.1	552.0	605.0	646.9
40°	1074.5	1068.3	1049.8	836.7	685.1	569.3	528.6	532.3	573.0	640.7	677.7
42.5°	1153.3	1149.6	1139.8	920.5	746.7	614.9	571.7	559.4	618.6	674.0	723.3
45°	1223.6	1232.2	1227.3	1007.9	813.3	675.2	626.0	602.5	674.0	727.0	794.8
47.5°	1259.3	1259.3	1286.4	1096.7	884.7	750.4	692.5	662.9	746.7	812.0	895.8
50°	1309.8	1314.8	1317.2	1187.8	982.1	836.7	766.4	736.9	821.9	934.0	1062.2
52.5°	1442.9	1488.5	1382.5	1276.6	1104.1	946.3	846.5	814.5	920.5	1084.3	1275.3
55°	1489.7	1499.6	1470.0	1396.1	1207.6	1052.3	935.2	906.9	1073.2	1259.3	1510.7
57.5°	1530.4	1518.1	1556.3	1525.5	1343.1	1165.7	1042.4	1026.4	1237.1	1452.8	1748.5
60°	1569.8	1574.8	1629.0	1674.6	1467.6	1306.1	1160.7	1198.9	1403.5	1654.8	1974.0
62.5°	1604.3	1616.7	1711.5	1762.1	1577.2	1455.2	1317.2	1420.7	1589.5	1854.5	2158.8
65°	1574.8	1592.0	1786.7	1818.7	1726.3	1636.4	1497.1	1642.5	1817.5	2025.7	2275.9
67.5°	1530.4	1546.4	1774.4	1912.4	1897.6	1871.7	1717.7	1854.5	2055.3	2199.5	2269.7
70°	1393.6	1413.3	1648.7	1945.6	2113.2	2182.2	2015.9	2050.4	2235.2	2267.3	2039.3
72.5°	1035.1	1036.3	1263.0	1741.1	2177.3	2452.1	2322.7	2211.8	2266.0	2146.5	1594.5
75°	490.4	484.3	650.6	1106.5	1822.4	2312.8	2314.1	2167.4	2045.5	1759.6	1026.4
77.5°	144.2	146.6	205.8	457.1	1168.1	1748.5	1859.4	1776.8	1558.7	985.8	451.0
80°	72.7	78.9	102.3	159.0	508.9	1020.3	1162.0	1147.2	884.7	329.0	155.3
82.5°	35.7	37.0	55.4	86.3	221.8	474.4	607.5	532.3	282.2	157.7	78.9
85°	9.9	8.6	16.0	29.6	69.0	101.0	122.0	99.8	85.0	66.5	32.0
87.5°	0.0	1.2	1.2	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
10°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
12.5°	23.4	20.9	16.0	8.6	2.5	1.2	1.2	1.2	1.2	2.5	2.5
15°	107.2	106.0	104.7	96.1	20.9	3.7	2.5	11.1	38.2	57.9	70.2
17.5°	122.0	120.8	119.5	117.1	108.4	27.1	35.7	97.3	117.1	118.3	119.5
20°	225.5	220.6	166.3	129.4	119.5	108.4	103.5	119.5	124.5	128.1	129.4
22.5°	262.5	257.5	246.4	229.2	138.0	167.6	156.5	130.6	204.5	220.6	223.0
25°	298.2	292.0	266.2	245.2	234.1	178.7	198.4	210.7	231.7	236.6	239.0
27.5°	427.6	411.6	379.5	272.3	255.1	215.6	231.7	223.0	266.2	310.5	314.2
30°	454.7	438.7	394.3	326.5	269.9	248.9	231.7	290.8	321.6	331.5	336.4
32.5°	606.2	590.2	510.1	329.0	287.1	245.2	271.1	297.0	319.1	385.7	391.8
35°	629.7	609.9	517.5	380.8	277.2	255.1	268.6	308.1	367.2	389.4	393.1
37.5°	655.5	633.4	510.1	357.3	294.5	256.3	262.5	303.1	337.6	347.5	352.4
40°	695.0	661.7	497.8	331.5	277.2	241.5	255.1	278.5	298.2	294.5	298.2
42.5°	747.9	696.2	478.1	301.9	256.3	221.8	236.6	251.4	263.7	252.6	250.1
45°	814.5	745.5	455.9	276.0	234.1	204.5	218.1	230.4	239.0	219.3	216.9
47.5°	910.6	802.2	428.8	248.9	215.6	191.0	203.3	211.9	216.9	198.4	194.7
50°	1041.2	877.3	398.0	226.7	199.6	178.7	193.5	198.4	194.7	181.1	178.7
52.5°	1205.1	991.9	367.2	209.5	186.1	170.0	183.6	182.4	178.7	168.8	167.6
55°	1409.6	1144.7	341.3	197.2	175.0	161.4	171.3	171.3	170.0	161.4	161.4
57.5°	1624.0	1288.9	310.5	186.1	162.7	149.1	161.4	163.9	162.7	156.5	155.3
60°	1802.7	1407.2	264.9	176.2	149.1	139.2	152.8	157.7	156.5	150.3	149.1
62.5°	1905.0	1425.7	218.1	162.7	138.0	130.6	147.9	155.3	163.9	167.6	167.6
65°	1925.9	1350.5	187.3	152.8	130.6	128.1	152.8	175.0	182.4	187.3	189.8
67.5°	1840.9	1194.0	168.8	146.6	125.7	133.1	173.7	186.1	178.7	176.2	176.2
70°	1605.6	990.7	155.3	139.2	119.5	139.2	181.1	177.4	167.6	170.0	168.8
72.5°	1215.0	754.1	145.4	131.8	113.4	129.4	178.7	170.0	157.7	155.3	150.3
75°	735.6	442.4	134.3	123.2	98.6	114.6	171.3	162.7	150.3	145.4	141.7
77.5°	284.6	204.5	122.0	113.4	85.0	101.0	159.0	155.3	142.9	133.1	131.8
80°	120.8	108.4	104.7	99.8	72.7	87.5	142.9	144.2	125.7	113.4	109.7
82.5°	67.8	66.5	81.3	81.3	60.4	77.6	129.4	129.4	110.9	103.5	94.9
85°	22.2	25.9	43.1	49.3	44.4	72.7	125.7	119.5	96.1	80.1	76.4
87.5°	2.5	2.5	4.9	9.9	11.1	18.5	35.7	41.9	29.6	24.6	24.6
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)