

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: P695045

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3933 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

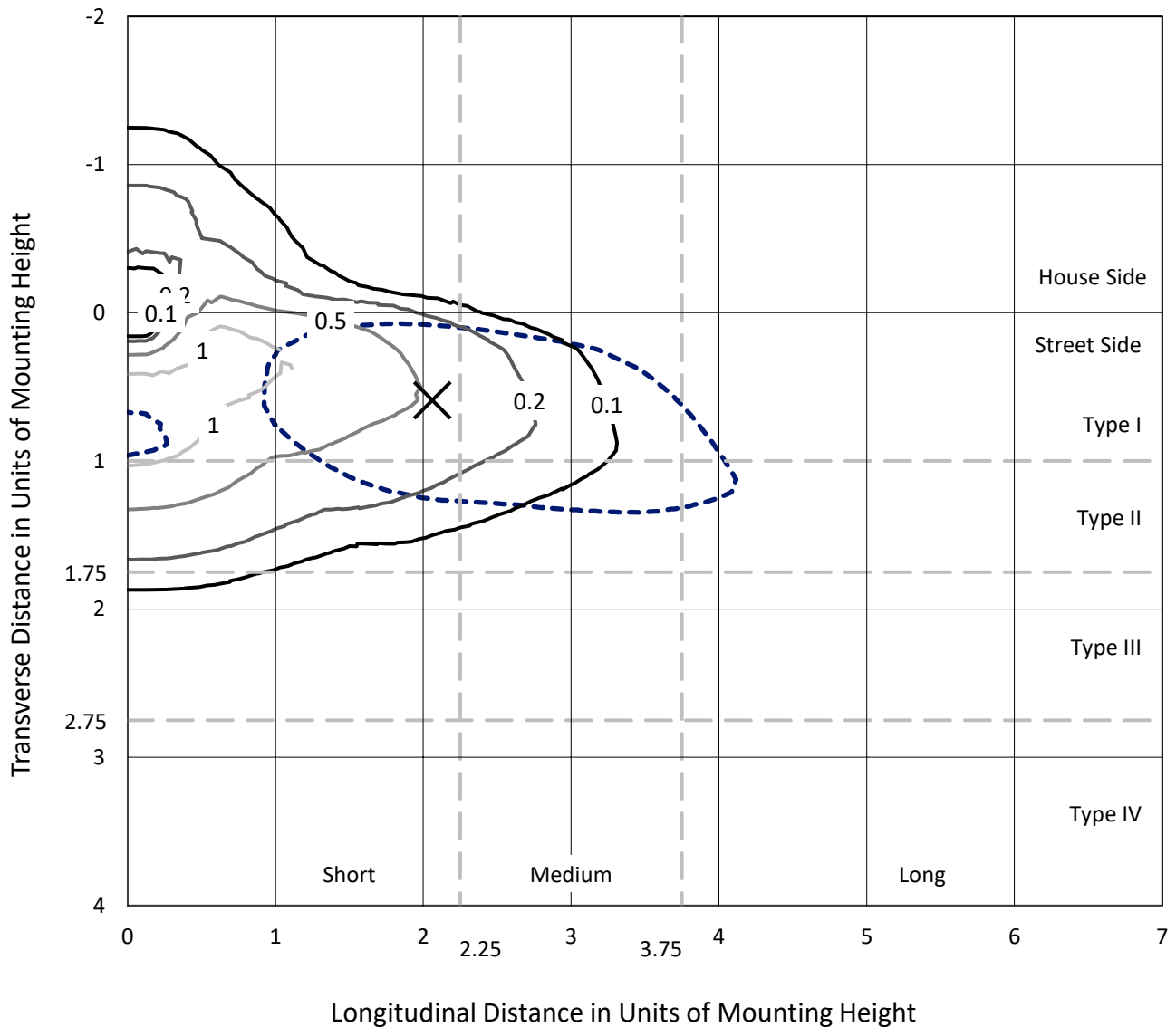
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

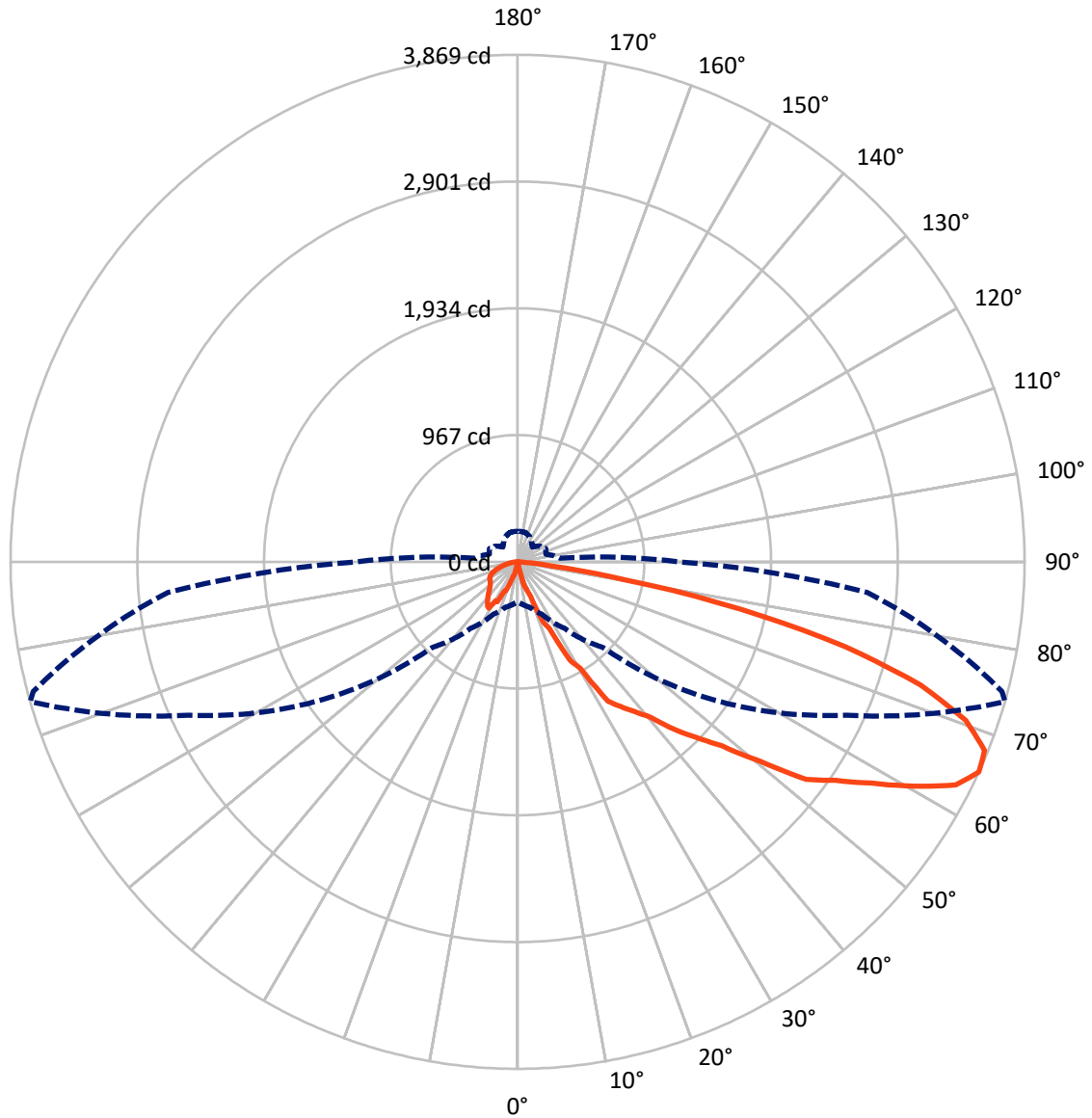
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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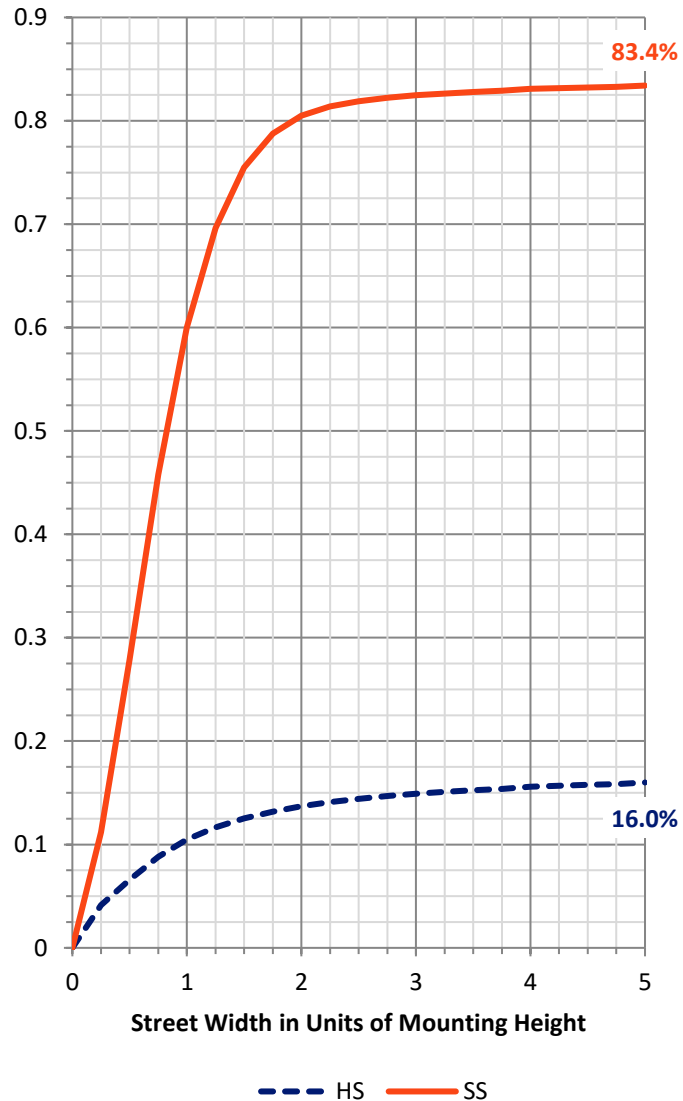
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	644.5	0.0	644.5
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	3288.5	0.0	3288.5
	% Fixture	83.6	0.0	83.6
Total	Lumens	3933.0	0.0	3933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	38.4	1.0
20°-30°	231.9	5.9
30°-40°	561.6	14.3
40°-50°	787.1	20.0
50°-60°	929.8	23.6
60°-70°	852.8	21.7
70°-80°	462.0	11.7
80°-90°	69.3	1.8
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°	3933.0	100.0
0°-180°	3933.0	100.0

Coefficient of Utilization

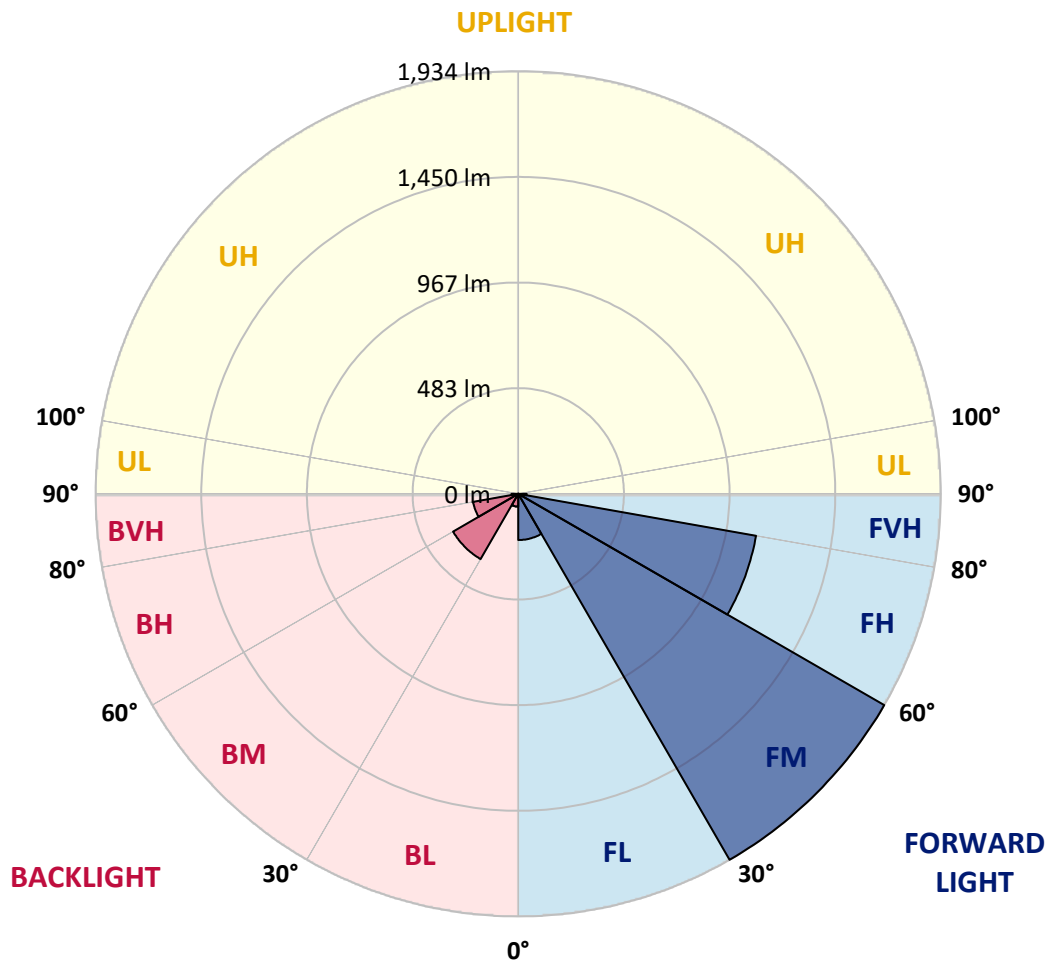


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.5	5.4			
FM (30°-60°)	1933.8	49.2			
FH (60°-80°)	1104.9	28.1			G1/1800
FVH (80°-90°)	38.3	1.0			G1/100
BL (0°-30°)	59.0	1.5	B0/110		
BM (30°-60°)	344.7	8.8	B1/1000		
BH (60°-80°)	209.9	5.3	B1/500		G1/500
BVH (80°-90°)	31.0	0.8			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
7.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
10°	19.2	17.9	13.7	8.2	4.1	1.4	1.4	1.4	1.4	1.4	1.4
12.5°	236.4	236.4	233.6	214.4	27.5	9.6	2.7	6.9	13.7	16.5	17.9
15°	268.0	265.2	265.2	262.5	255.6	59.1	26.1	206.1	188.3	182.8	140.2
17.5°	413.7	467.2	317.5	295.5	287.2	236.4	225.4	243.2	215.8	211.6	162.2
20°	629.4	629.4	625.3	618.4	333.9	460.4	432.9	279.0	283.1	340.8	323.0
22.5°	703.6	700.9	687.1	677.5	728.4	498.9	470.0	512.6	500.2	496.1	379.3
25°	1129.6	1117.3	1098.0	772.3	797.1	700.9	698.1	655.5	560.7	551.1	435.6
27.5°	1235.5	1225.8	1209.3	1102.2	911.1	920.8	731.1	786.1	849.3	854.8	654.1
30°	1761.8	1746.7	1557.0	1221.7	1154.4	1003.2	1021.1	996.3	940.0	918.0	706.4
32.5°	1881.4	1873.1	1837.4	1594.1	1254.7	1188.7	1143.4	1099.4	1268.4	1239.6	993.6
35°	1976.2	1961.1	1925.3	1654.6	1533.7	1381.1	1249.2	1382.5	1357.8	1330.3	1047.2
37.5°	2028.4	2011.9	1976.2	1721.9	1607.9	1449.8	1481.5	1466.3	1449.8	1438.9	1104.9
40°	2018.8	2005.0	1983.1	1765.9	1653.2	1492.4	1594.1	1570.8	1557.0	1614.8	1176.4
42.5°	1973.4	1959.7	1944.6	1787.9	1679.3	1524.1	1689.0	1720.6	1746.7	1735.7	1256.1
45°	1880.0	1867.6	1867.6	1765.9	1665.6	1550.2	1771.4	1874.5	1911.6	1870.4	1359.1
47.5°	1782.4	1772.8	1774.2	1705.5	1639.5	1574.9	1873.1	1999.6	2097.1	2047.6	1507.6
50°	1647.7	1643.6	1664.2	1647.7	1607.9	1577.7	1984.4	2207.1	2388.5	2372.0	1732.9
52.5°	1449.8	1452.6	1510.3	1547.4	1544.7	1558.4	2036.7	2406.3	2756.8	2712.8	1906.1
55°	1279.4	1269.8	1316.5	1401.7	1430.6	1525.4	2065.5	2459.9	2945.0	2902.4	2053.1
57.5°	1065.1	1066.4	1118.6	1206.6	1284.9	1448.5	2090.3	2557.5	3186.9	3137.4	2257.9
60°	797.1	824.6	882.3	971.6	1085.7	1320.7	2086.1	2690.8	3476.9	3445.3	2492.9
62.5°	520.8	530.5	611.5	699.5	875.4	1155.8	2014.7	2787.0	3751.7	3694.0	2648.2
65°	303.7	321.6	358.7	442.5	617.0	924.9	1842.9	2767.8	3868.5	3825.9	2677.1
67.5°	204.8	207.5	225.4	273.5	386.2	665.1	1555.7	2586.4	3842.4	3804.0	2597.4
70°	171.8	173.2	178.7	184.2	222.6	430.1	1128.3	2224.9	3628.0	3599.2	2403.6
72.5°	153.9	155.3	158.0	153.9	156.7	248.7	740.7	1845.6	3214.4	3178.7	2082.0
75°	140.2	140.2	140.2	137.4	133.3	152.5	412.3	1416.9	2583.6	2508.0	1583.1
77.5°	122.3	122.3	120.9	120.9	119.6	114.1	202.0	1000.5	1737.1	1662.9	934.5
80°	100.3	100.3	100.3	101.7	100.3	85.2	108.6	601.9	841.0	824.6	361.4
82.5°	60.5	61.8	70.1	81.1	79.7	60.5	72.8	277.6	255.6	240.5	112.7
85°	8.2	6.9	19.2	27.5	33.0	22.0	30.2	63.2	59.1	61.8	27.5
87.5°	0.0	0.0	0.0	1.4	1.4	2.7	4.1	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P695045
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	0.0
5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	22.0	20.6	13.7	5.5	0.0	0.0	0.0	0.0	0.0	1.4	1.4
15°	125.1	114.1	104.4	88.0	17.9	2.7	1.4	9.6	22.0	49.5	50.8
17.5°	142.9	129.2	116.8	108.6	97.6	28.9	20.6	100.3	105.8	105.8	105.8
20°	276.2	244.6	169.0	122.3	105.8	88.0	96.2	108.6	112.7	114.1	114.1
22.5°	317.5	274.9	237.7	208.9	122.3	151.2	141.5	118.2	185.5	191.0	192.4
25°	361.4	310.6	251.5	218.5	207.5	155.3	162.2	182.8	196.5	196.5	196.5
27.5°	530.5	434.3	350.4	251.5	222.6	189.6	199.3	188.3	203.4	248.7	257.0
30°	567.6	453.5	349.1	280.3	236.4	221.3	199.3	246.0	263.9	263.9	262.5
32.5°	775.1	593.7	431.5	279.0	255.6	218.5	239.1	254.2	266.6	284.5	291.3
35°	806.7	592.3	415.0	321.6	251.5	229.5	243.2	270.7	316.1	323.0	318.8
37.5°	831.4	581.3	390.3	306.5	270.7	239.1	250.1	296.8	317.5	314.7	309.2
40°	860.3	566.2	362.8	295.5	261.1	239.1	266.6	295.5	303.7	291.3	288.6
42.5°	896.0	547.0	338.1	281.7	251.5	237.7	263.9	279.0	279.0	276.2	273.5
45°	945.5	529.1	314.7	266.6	247.4	232.3	257.0	257.0	273.5	270.7	269.4
47.5°	1032.1	511.2	294.1	254.2	241.9	225.4	239.1	248.7	268.0	266.6	265.2
50°	1125.5	492.0	277.6	246.0	236.4	217.1	218.5	240.5	262.5	261.1	259.7
52.5°	1184.6	457.6	265.2	243.2	230.9	208.9	211.6	233.6	258.4	255.6	252.9
55°	1228.6	427.4	257.0	241.9	225.4	189.6	206.1	228.1	252.9	248.7	246.0
57.5°	1289.1	402.7	251.5	244.6	221.3	175.9	199.3	222.6	247.4	243.2	243.2
60°	1348.2	382.0	246.0	246.0	219.9	169.0	193.8	218.5	241.9	240.5	240.5
62.5°	1346.8	357.3	236.4	244.6	218.5	163.5	189.6	214.4	236.4	237.7	236.4
65°	1230.0	325.7	222.6	236.4	208.9	159.4	184.2	214.4	230.9	232.3	232.3
67.5°	1081.5	285.8	200.6	222.6	192.4	156.7	180.0	210.3	221.3	228.1	228.1
70°	912.5	235.0	173.2	203.4	175.9	153.9	180.0	203.4	210.3	224.0	222.6
72.5°	747.6	185.5	144.3	177.3	158.0	151.2	181.4	193.8	196.5	214.4	208.9
75°	568.9	140.2	115.4	144.3	136.1	148.4	178.7	180.0	178.7	184.2	175.9
77.5°	369.7	105.8	93.4	109.9	112.7	141.5	173.2	163.5	155.3	151.2	147.0
80°	169.0	75.6	71.5	85.2	83.8	130.6	163.5	145.7	133.3	126.4	120.9
82.5°	68.7	49.5	49.5	61.8	57.7	114.1	147.0	125.1	109.9	104.4	101.7
85°	19.2	20.6	22.0	33.0	34.4	88.0	118.2	97.6	79.7	118.2	108.6
87.5°	2.7	2.7	2.7	4.1	4.1	5.5	16.5	22.0	28.9	12.4	11.0
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)