

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: P695315

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695315
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-PA16-50-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4951 lumens
Efficiency: N/A
Efficacy: 93.2 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

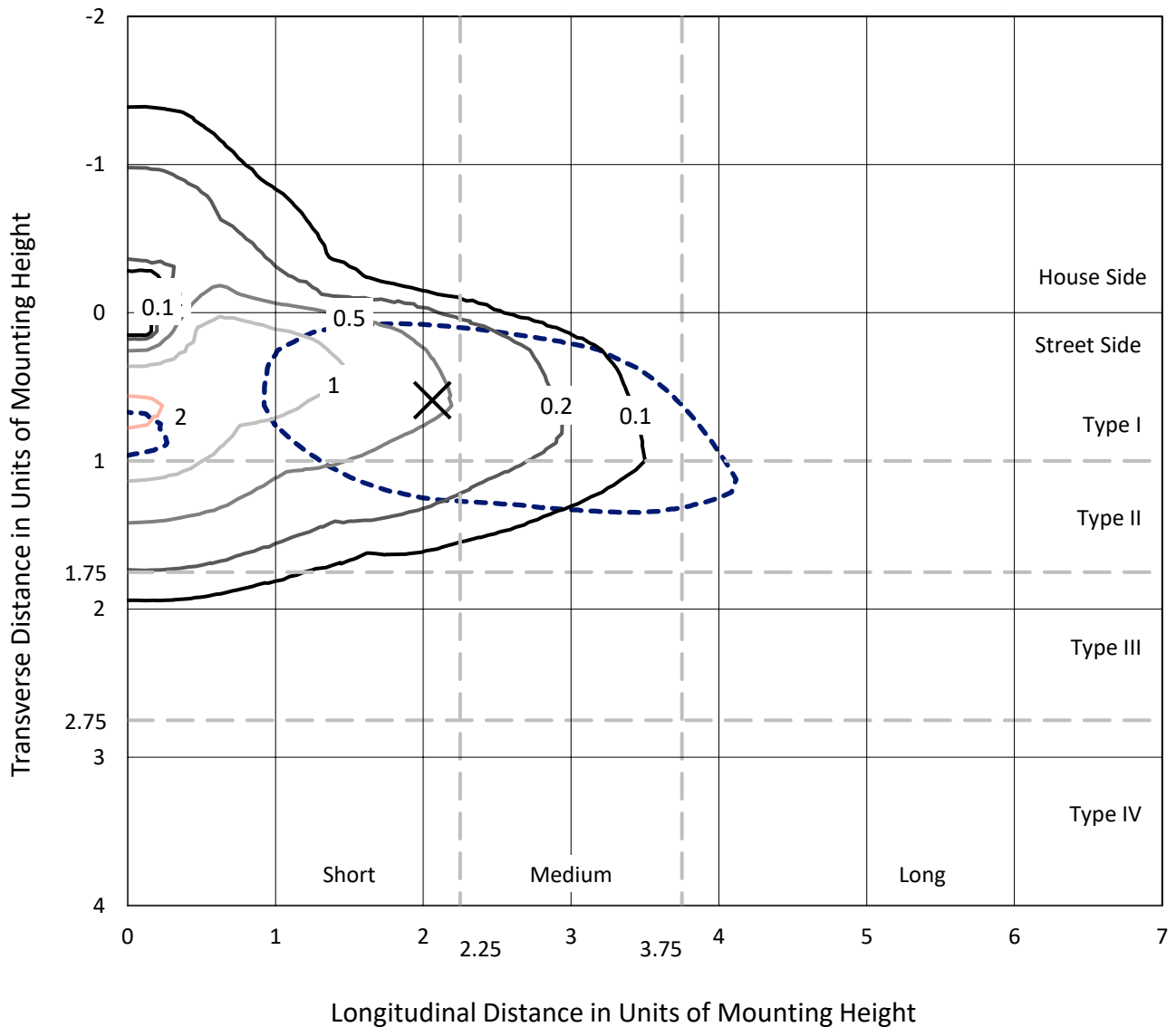
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

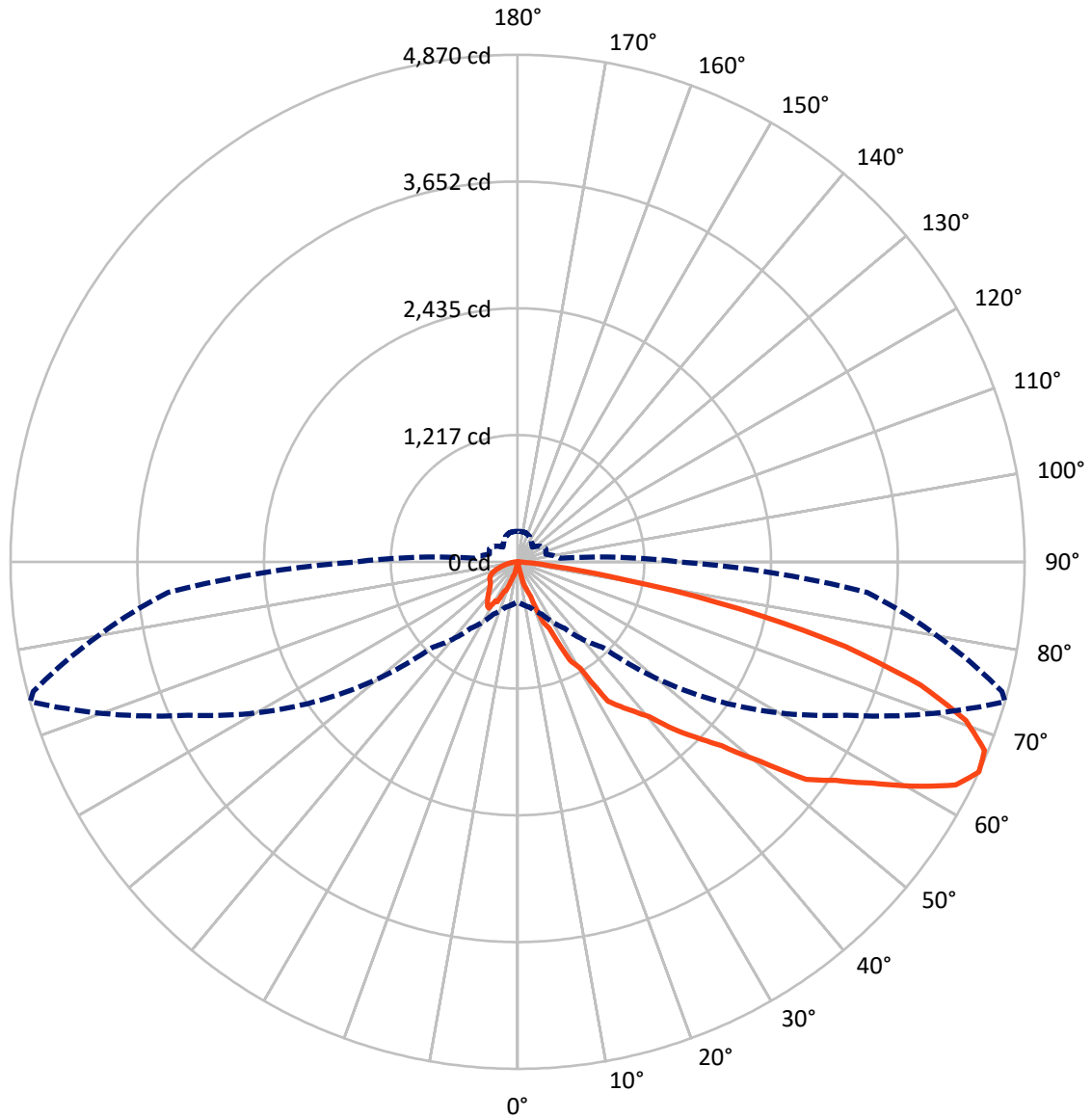
✕ Max cd
 - - - 1/2 Max cd



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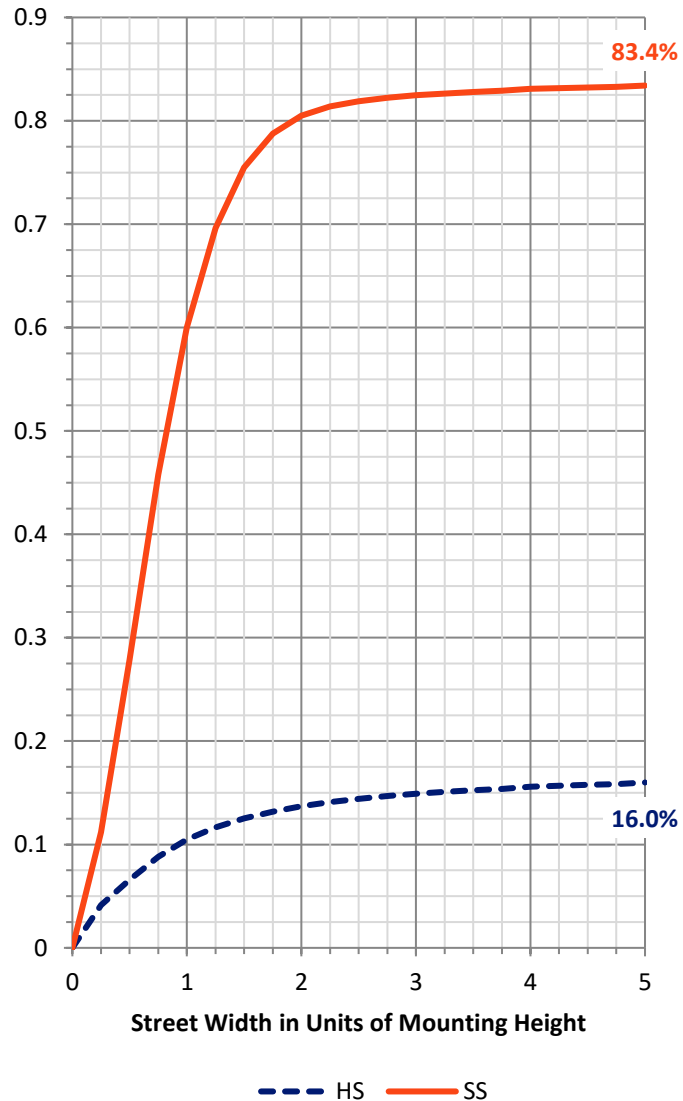
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	811.3	0.0	811.3
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	4139.7	0.0	4139.7
	% Fixture	83.6	0.0	83.6
Total	Lumens	4951.0	0.0	4951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	48.4	1.0
20°-30°	292.0	5.9
30°-40°	706.9	14.3
40°-50°	990.8	20.0
50°-60°	1170.5	23.6
60°-70°	1073.5	21.7
70°-80°	581.5	11.7
80°-90°	87.2	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°	4951.0	100.0
0°-180°	4951.0	100.0

Coefficient of Utilization



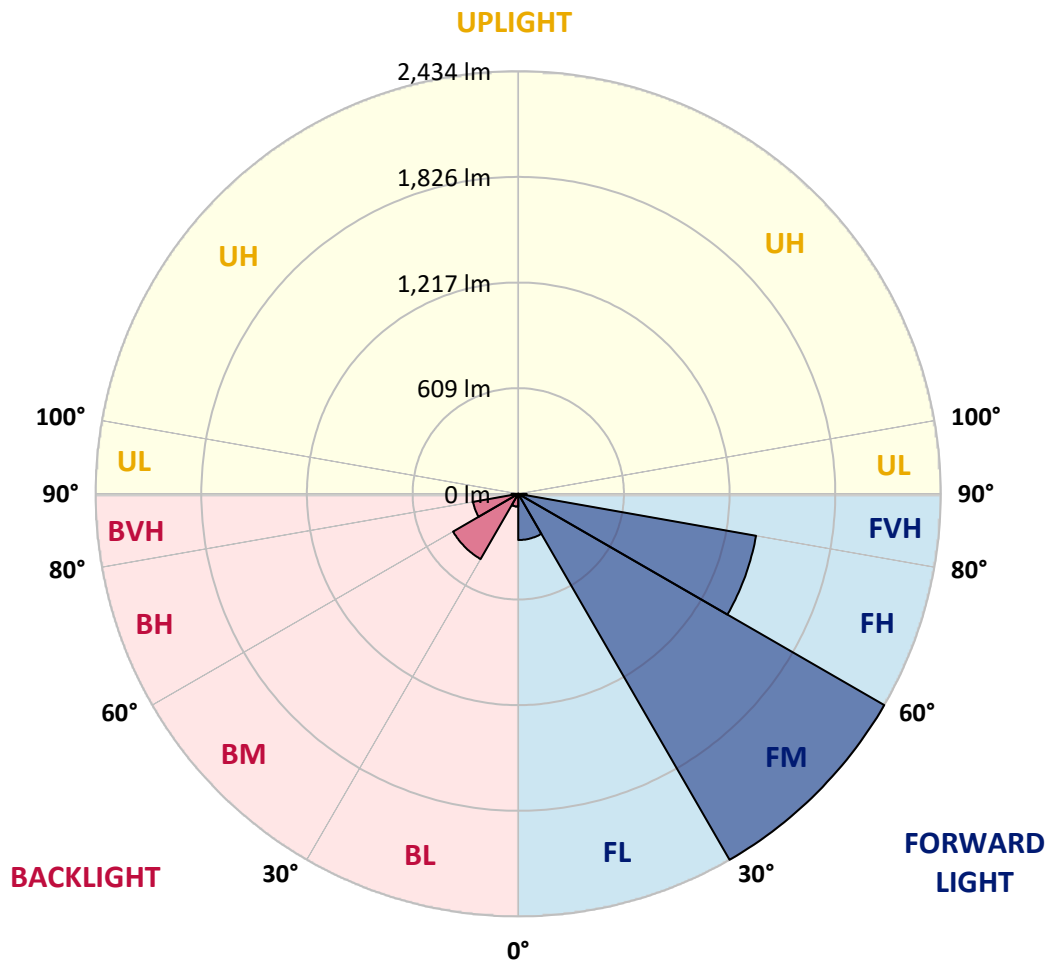
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.3	5.4			
FM (30°-60°)	2434.4	49.2			
FH (60°-80°)	1390.9	28.1			G1/1800
FVH (80°-90°)	48.2	1.0			G1/100
BL (0°-30°)	74.2	1.5	B0/110		
BM (30°-60°)	433.9	8.8	B1/1000		
BH (60°-80°)	264.2	5.3	B1/500		G1/500
BVH (80°-90°)	39.0	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10°	24.2	22.5	17.3	10.4	5.2	1.7	1.7	1.7	1.7	1.7	1.7
12.5°	297.6	297.6	294.1	269.9	34.6	12.1	3.5	8.6	17.3	20.8	22.5
15°	337.3	333.9	333.9	330.4	321.8	74.4	32.9	259.5	237.0	230.1	176.5
17.5°	520.7	588.2	399.6	371.9	361.6	297.6	283.7	306.2	271.6	266.4	204.1
20°	792.3	792.3	787.1	778.5	420.4	579.5	544.9	351.2	356.4	429.0	406.5
22.5°	885.7	882.3	865.0	852.9	916.9	628.0	591.6	645.3	629.7	624.5	477.5
25°	1422.0	1406.5	1382.2	972.2	1003.4	882.3	878.8	825.2	705.8	693.7	548.4
27.5°	1555.2	1543.1	1522.4	1387.4	1147.0	1159.1	920.3	989.5	1069.1	1076.0	823.5
30°	2217.8	2198.8	1960.1	1537.9	1453.2	1262.9	1285.4	1254.2	1183.3	1155.6	889.2
32.5°	2368.3	2357.9	2313.0	2006.8	1579.5	1496.4	1439.3	1384.0	1596.8	1560.4	1250.8
35°	2487.7	2468.7	2423.7	2082.9	1930.6	1738.6	1572.5	1740.3	1709.2	1674.6	1318.2
37.5°	2553.4	2532.7	2487.7	2167.7	2024.1	1825.1	1864.9	1845.9	1825.1	1811.3	1390.9
40°	2541.3	2524.0	2496.3	2223.0	2081.2	1878.7	2006.8	1977.4	1960.1	2032.7	1480.9
42.5°	2484.2	2466.9	2447.9	2250.7	2114.0	1918.5	2126.1	2165.9	2198.8	2185.0	1581.2
45°	2366.6	2351.0	2351.0	2223.0	2096.7	1951.4	2229.9	2359.7	2406.4	2354.5	1710.9
47.5°	2243.8	2231.7	2233.4	2146.9	2063.9	1982.5	2357.9	2517.1	2639.9	2577.7	1897.8
50°	2074.2	2069.0	2095.0	2074.2	2024.1	1986.0	2498.1	2778.3	3006.7	2985.9	2181.5
52.5°	1825.1	1828.6	1901.2	1947.9	1944.5	1961.8	2563.8	3029.2	3470.3	3415.0	2399.5
55°	1610.6	1598.5	1657.3	1764.6	1800.9	1920.3	2600.1	3096.6	3707.3	3653.7	2584.6
57.5°	1340.7	1342.5	1408.2	1518.9	1617.5	1823.4	2631.3	3219.5	4011.8	3949.5	2842.3
60°	1003.4	1038.0	1110.6	1223.1	1366.7	1662.5	2626.1	3387.3	4376.8	4337.0	3138.2
62.5°	655.7	667.8	769.8	880.6	1102.0	1454.9	2536.1	3508.4	4722.8	4650.2	3333.7
65°	382.3	404.8	451.5	557.0	776.8	1164.3	2319.9	3484.2	4869.9	4816.2	3370.0
67.5°	257.8	261.2	283.7	344.3	486.1	837.3	1958.3	3255.8	4837.0	4788.6	3269.6
70°	216.2	218.0	224.9	231.8	280.3	541.5	1420.3	2800.8	4567.1	4530.8	3025.7
72.5°	193.8	195.5	198.9	193.8	197.2	313.1	932.5	2323.3	4046.4	4001.4	2620.9
75°	176.5	176.5	176.5	173.0	167.8	192.0	519.0	1783.6	3252.3	3157.2	1992.9
77.5°	154.0	154.0	152.2	152.2	150.5	143.6	254.3	1259.4	2186.7	2093.3	1176.4
80°	126.3	126.3	126.3	128.0	126.3	107.3	136.7	757.7	1058.7	1038.0	455.0
82.5°	76.1	77.8	88.2	102.1	100.3	76.1	91.7	349.5	321.8	302.7	141.9
85°	10.4	8.6	24.2	34.6	41.5	27.7	38.1	79.6	74.4	77.8	34.6
87.5°	0.0	0.0	0.0	1.7	1.7	3.5	5.2	5.2	5.2	5.2	5.2
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	0.0
5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	27.7	25.9	17.3	6.9	0.0	0.0	0.0	0.0	0.0	1.7	1.7
15°	157.4	143.6	131.5	110.7	22.5	3.5	1.7	12.1	27.7	62.3	64.0
17.5°	179.9	162.6	147.0	136.7	122.8	36.3	25.9	126.3	133.2	133.2	133.2
20°	347.7	307.9	212.8	154.0	133.2	110.7	121.1	136.7	141.9	143.6	143.6
22.5°	399.6	346.0	299.3	263.0	154.0	190.3	178.2	148.8	233.5	240.5	242.2
25°	455.0	391.0	316.6	275.1	261.2	195.5	204.1	230.1	247.4	247.4	247.4
27.5°	667.8	546.7	441.1	316.6	280.3	238.7	250.8	237.0	256.0	313.1	323.5
30°	714.5	570.9	439.4	352.9	297.6	278.5	250.8	309.7	332.2	332.2	330.4
32.5°	975.7	747.3	543.2	351.2	321.8	275.1	301.0	320.0	335.6	358.1	366.8
35°	1015.5	745.6	522.5	404.8	316.6	288.9	306.2	340.8	397.9	406.5	401.4
37.5°	1046.6	731.8	491.3	385.8	340.8	301.0	314.9	373.7	399.6	396.2	389.2
40°	1083.0	712.7	456.7	371.9	328.7	301.0	335.6	371.9	382.3	366.8	363.3
42.5°	1127.9	688.5	425.6	354.6	316.6	299.3	332.2	351.2	351.2	347.7	344.3
45°	1190.2	666.0	396.2	335.6	311.4	292.4	323.5	323.5	344.3	340.8	339.1
47.5°	1299.2	643.5	370.2	320.0	304.5	283.7	301.0	313.1	337.3	335.6	333.9
50°	1416.8	619.3	349.5	309.7	297.6	273.3	275.1	302.7	330.4	328.7	327.0
52.5°	1491.2	576.1	333.9	306.2	290.6	263.0	266.4	294.1	325.2	321.8	318.3
55°	1546.6	538.0	323.5	304.5	283.7	238.7	259.5	287.2	318.3	313.1	309.7
57.5°	1622.7	506.9	316.6	307.9	278.5	221.4	250.8	280.3	311.4	306.2	306.2
60°	1697.1	480.9	309.7	309.7	276.8	212.8	243.9	275.1	304.5	302.7	302.7
62.5°	1695.4	449.8	297.6	307.9	275.1	205.9	238.7	269.9	297.6	299.3	297.6
65°	1548.3	410.0	280.3	297.6	263.0	200.7	231.8	269.9	290.6	292.4	292.4
67.5°	1361.5	359.8	252.6	280.3	242.2	197.2	226.6	264.7	278.5	287.2	287.2
70°	1148.7	295.8	218.0	256.0	221.4	193.8	226.6	256.0	264.7	282.0	280.3
72.5°	941.1	233.5	181.6	223.2	198.9	190.3	228.4	243.9	247.4	269.9	263.0
75°	716.2	176.5	145.3	181.6	171.3	186.8	224.9	226.6	224.9	231.8	221.4
77.5°	465.4	133.2	117.6	138.4	141.9	178.2	218.0	205.9	195.5	190.3	185.1
80°	212.8	95.1	90.0	107.3	105.5	164.3	205.9	183.4	167.8	159.2	152.2
82.5°	86.5	62.3	62.3	77.8	72.7	143.6	185.1	157.4	138.4	131.5	128.0
85°	24.2	25.9	27.7	41.5	43.2	110.7	148.8	122.8	100.3	148.8	136.7
87.5°	3.5	3.5	3.5	5.2	5.2	6.9	20.8	27.7	36.3	15.6	13.8
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)