

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: P695135

Luminaire Tested: **LXF.LXT-PA16-40-740-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695135
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-PA16-40-740-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679 lumens
Efficiency: N/A
Efficacy: 116.4 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

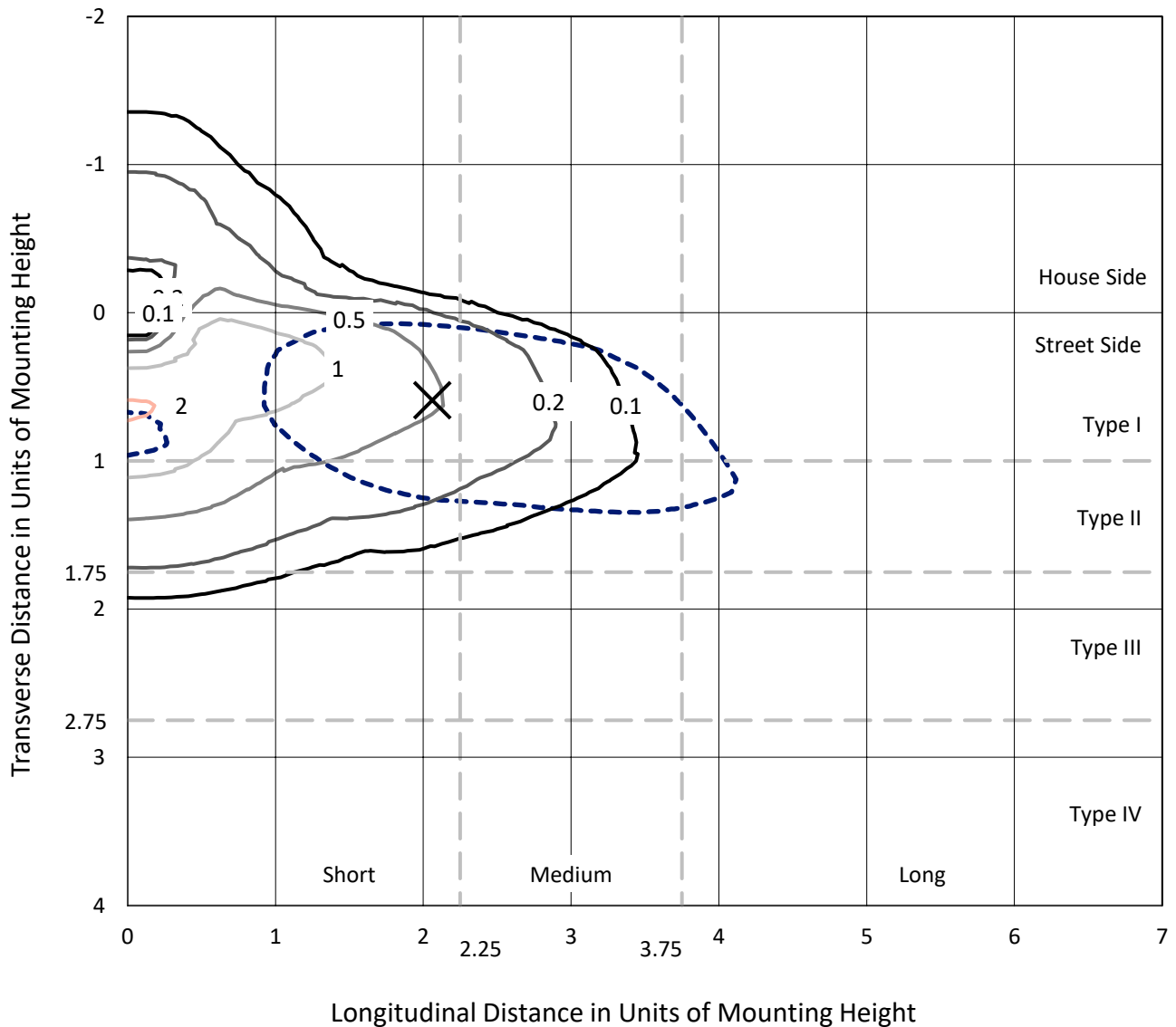
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

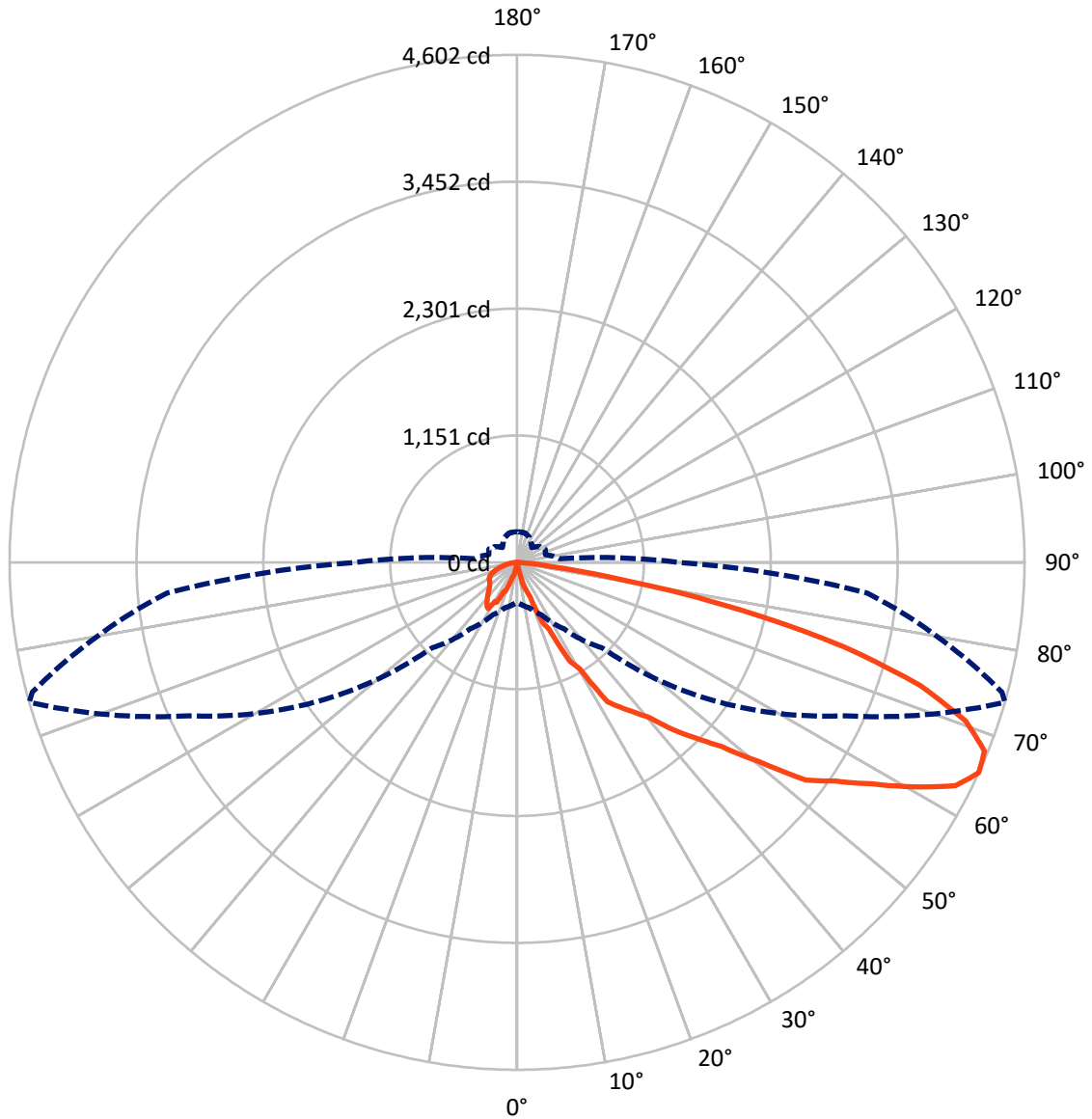
✕ Max cd
 - - - 1/2 Max cd



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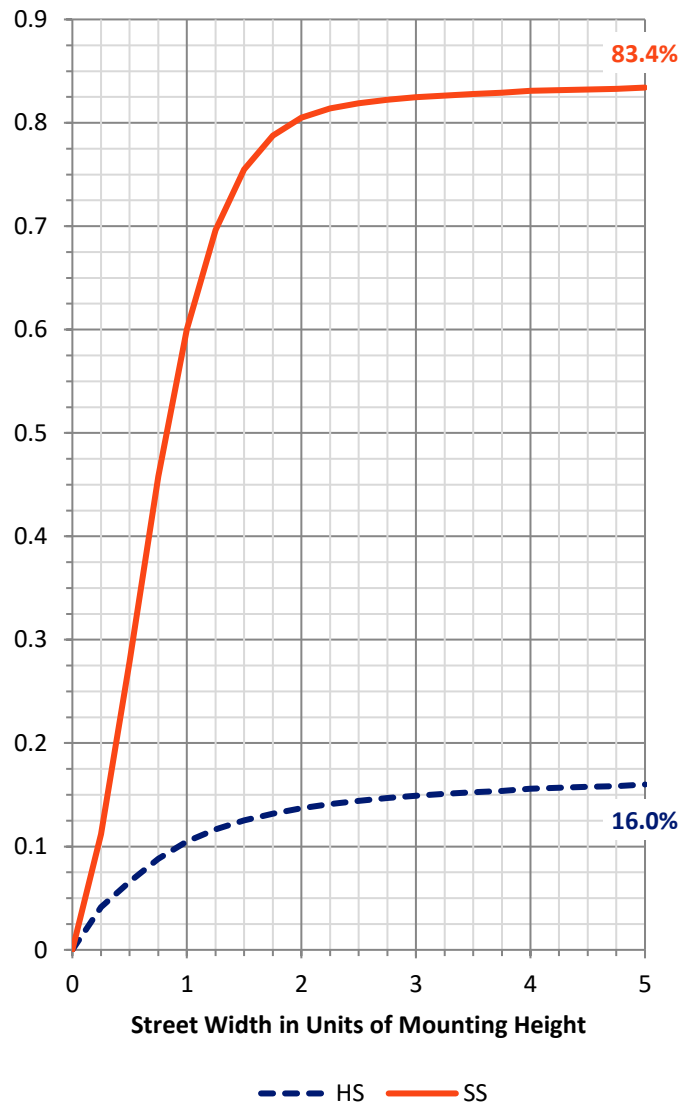
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	766.7	0.0	766.7
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	3912.3	0.0	3912.3
	% Fixture	83.6	0.0	83.6
Total	Lumens	4679.0	0.0	4679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	45.7	1.0
20°-30°	275.9	5.9
30°-40°	668.1	14.3
40°-50°	936.4	20.0
50°-60°	1106.2	23.6
60°-70°	1014.5	21.7
70°-80°	549.6	11.7
80°-90°	82.4	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°	4679.0	100.0
0°-180°	4679.0	100.0

Coefficient of Utilization

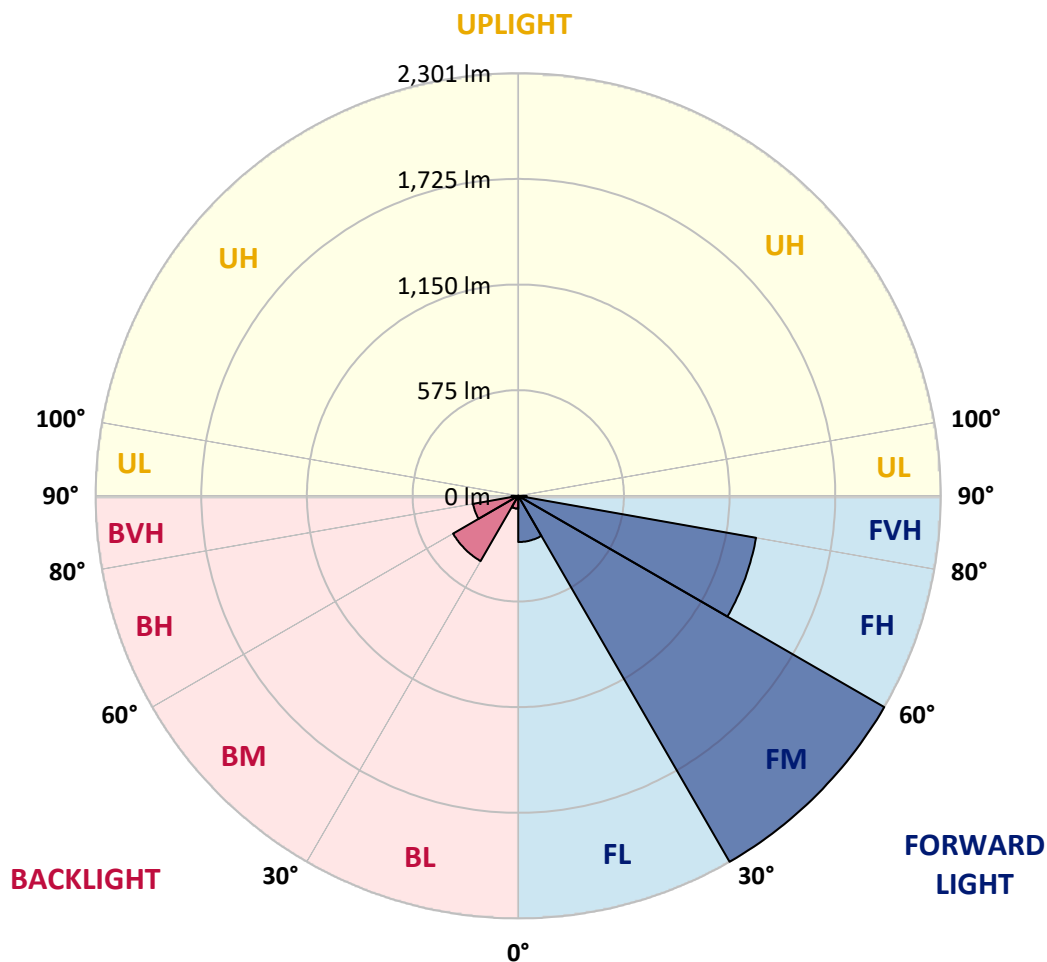


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.7	5.4			
FM (30°-60°)	2300.6	49.2			
FH (60°-80°)	1314.4	28.1			G1/1800
FVH (80°-90°)	45.6	1.0			G1/100
BL (0°-30°)	70.1	1.5	B0/110		
BM (30°-60°)	410.1	8.8	B1/1000		
BH (60°-80°)	249.7	5.3	B1/500		G1/500
BVH (80°-90°)	36.8	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	22.9	21.3	16.3	9.8	4.9	1.6	1.6	1.6	1.6	1.6	1.6
12.5°	281.2	281.2	277.9	255.0	32.7	11.4	3.3	8.2	16.3	19.6	21.3
15°	318.8	315.5	315.5	312.3	304.1	70.3	31.1	245.2	224.0	217.4	166.8
17.5°	492.1	555.9	377.7	351.5	341.7	281.2	268.1	289.4	256.7	251.8	192.9
20°	748.8	748.8	743.9	735.7	397.3	547.7	515.0	331.9	336.8	405.5	384.2
22.5°	837.1	833.8	817.5	806.0	866.5	593.5	559.1	609.8	595.1	590.2	451.2
25°	1343.9	1329.2	1306.3	918.8	948.3	833.8	830.5	779.9	667.1	655.6	518.3
27.5°	1469.8	1458.4	1438.7	1311.2	1084.0	1095.4	869.8	935.2	1010.4	1016.9	778.2
30°	2096.0	2078.0	1852.4	1453.5	1373.3	1193.5	1214.8	1185.3	1118.3	1092.1	840.4
32.5°	2238.2	2228.4	2185.9	1896.5	1492.7	1414.2	1360.3	1307.9	1509.0	1474.7	1182.1
35°	2351.0	2333.0	2290.5	1968.5	1824.6	1643.1	1486.1	1644.7	1615.3	1582.6	1245.8
37.5°	2413.2	2393.5	2351.0	2048.6	1912.9	1724.8	1762.5	1744.5	1724.8	1711.8	1314.5
40°	2401.7	2385.4	2359.2	2100.9	1966.8	1775.5	1896.5	1868.7	1852.4	1921.0	1399.5
42.5°	2347.8	2331.4	2313.4	2127.0	1997.9	1813.1	2009.3	2046.9	2078.0	2064.9	1494.3
45°	2236.6	2221.9	2221.9	2100.9	1981.5	1844.2	2107.4	2230.0	2274.2	2225.1	1616.9
47.5°	2120.5	2109.1	2110.7	2028.9	1950.5	1873.6	2228.4	2378.8	2494.9	2436.0	1793.5
50°	1960.3	1955.4	1979.9	1960.3	1912.9	1876.9	2360.8	2625.7	2841.5	2821.9	2061.6
52.5°	1724.8	1728.1	1796.8	1840.9	1837.7	1854.0	2423.0	2862.8	3279.7	3227.3	2267.6
55°	1522.1	1510.7	1566.3	1667.6	1702.0	1814.8	2457.3	2926.5	3503.6	3453.0	2442.6
57.5°	1267.1	1268.7	1330.8	1435.5	1528.7	1723.2	2486.7	3042.6	3791.4	3732.5	2686.2
60°	948.3	981.0	1049.6	1155.9	1291.6	1571.2	2481.8	3201.2	4136.4	4098.8	2965.8
62.5°	619.6	631.1	727.5	832.2	1041.4	1375.0	2396.8	3315.6	4463.4	4394.7	3150.5
65°	361.3	382.6	426.7	526.4	734.1	1100.3	2192.4	3292.7	4602.3	4551.6	3184.8
67.5°	243.6	246.9	268.1	325.4	459.4	791.3	1850.7	3076.9	4571.3	4525.5	3090.0
70°	204.4	206.0	212.5	219.1	264.9	511.7	1342.3	2646.9	4316.2	4281.9	2859.5
72.5°	183.1	184.7	188.0	183.1	186.4	295.9	881.2	2195.7	3824.1	3781.6	2476.9
75°	166.8	166.8	166.8	163.5	158.6	181.5	490.5	1685.6	3073.7	2983.7	1883.4
77.5°	145.5	145.5	143.9	143.9	142.2	135.7	240.3	1190.2	2066.5	1978.3	1111.8
80°	119.3	119.3	119.3	121.0	119.3	101.4	129.2	716.1	1000.6	981.0	430.0
82.5°	71.9	73.6	83.4	96.5	94.8	71.9	86.7	330.3	304.1	286.1	134.1
85°	9.8	8.2	22.9	32.7	39.2	26.2	36.0	75.2	70.3	73.6	32.7
87.5°	0.0	0.0	0.0	1.6	1.6	3.3	4.9	4.9	4.9	4.9	4.9
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	0.0
5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	26.2	24.5	16.3	6.5	0.0	0.0	0.0	0.0	0.0	1.6	1.6
15°	148.8	135.7	124.3	104.6	21.3	3.3	1.6	11.4	26.2	58.9	60.5
17.5°	170.0	153.7	139.0	129.2	116.1	34.3	24.5	119.3	125.9	125.9	125.9
20°	328.6	291.0	201.1	145.5	125.9	104.6	114.4	129.2	134.1	135.7	135.7
22.5°	377.7	327.0	282.8	248.5	145.5	179.8	168.4	140.6	220.7	227.3	228.9
25°	430.0	369.5	299.2	260.0	246.9	184.7	192.9	217.4	233.8	233.8	233.8
27.5°	631.1	516.6	416.9	299.2	264.9	225.6	237.1	224.0	242.0	295.9	305.7
30°	675.2	539.5	415.3	333.5	281.2	263.2	237.1	292.7	313.9	313.9	312.3
32.5°	922.1	706.3	513.4	331.9	304.1	260.0	284.5	302.5	317.2	338.4	346.6
35°	959.7	704.7	493.7	382.6	299.2	273.0	289.4	322.1	376.0	384.2	379.3
37.5°	989.1	691.6	464.3	364.6	322.1	284.5	297.6	353.1	377.7	374.4	367.9
40°	1023.5	673.6	431.6	351.5	310.6	284.5	317.2	351.5	361.3	346.6	343.3
42.5°	1066.0	650.7	402.2	335.2	299.2	282.8	313.9	331.9	331.9	328.6	325.4
45°	1124.8	629.4	374.4	317.2	294.3	276.3	305.7	305.7	325.4	322.1	320.4
47.5°	1227.8	608.2	349.9	302.5	287.7	268.1	284.5	295.9	318.8	317.2	315.5
50°	1339.0	585.3	330.3	292.7	281.2	258.3	260.0	286.1	312.3	310.6	309.0
52.5°	1409.3	544.4	315.5	289.4	274.7	248.5	251.8	277.9	307.4	304.1	300.8
55°	1461.6	508.5	305.7	287.7	268.1	225.6	245.2	271.4	300.8	295.9	292.7
57.5°	1533.6	479.0	299.2	291.0	263.2	209.3	237.1	264.9	294.3	289.4	289.4
60°	1603.9	454.5	292.7	292.7	261.6	201.1	230.5	260.0	287.7	286.1	286.1
62.5°	1602.2	425.1	281.2	291.0	260.0	194.6	225.6	255.0	281.2	282.8	281.2
65°	1463.3	387.5	264.9	281.2	248.5	189.7	219.1	255.0	274.7	276.3	276.3
67.5°	1286.7	340.1	238.7	264.9	228.9	186.4	214.2	250.1	263.2	271.4	271.4
70°	1085.6	279.6	206.0	242.0	209.3	183.1	214.2	242.0	250.1	266.5	264.9
72.5°	889.4	220.7	171.7	210.9	188.0	179.8	215.8	230.5	233.8	255.0	248.5
75°	676.9	166.8	137.3	171.7	161.9	176.6	212.5	214.2	212.5	219.1	209.3
77.5°	439.8	125.9	111.2	130.8	134.1	168.4	206.0	194.6	184.7	179.8	174.9
80°	201.1	89.9	85.0	101.4	99.7	155.3	194.6	173.3	158.6	150.4	143.9
82.5°	81.7	58.9	58.9	73.6	68.7	135.7	174.9	148.8	130.8	124.3	121.0
85°	22.9	24.5	26.2	39.2	40.9	104.6	140.6	116.1	94.8	140.6	129.2
87.5°	3.3	3.3	3.3	4.9	4.9	6.5	19.6	26.2	34.3	14.7	13.1
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)