

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: P695500

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4658 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

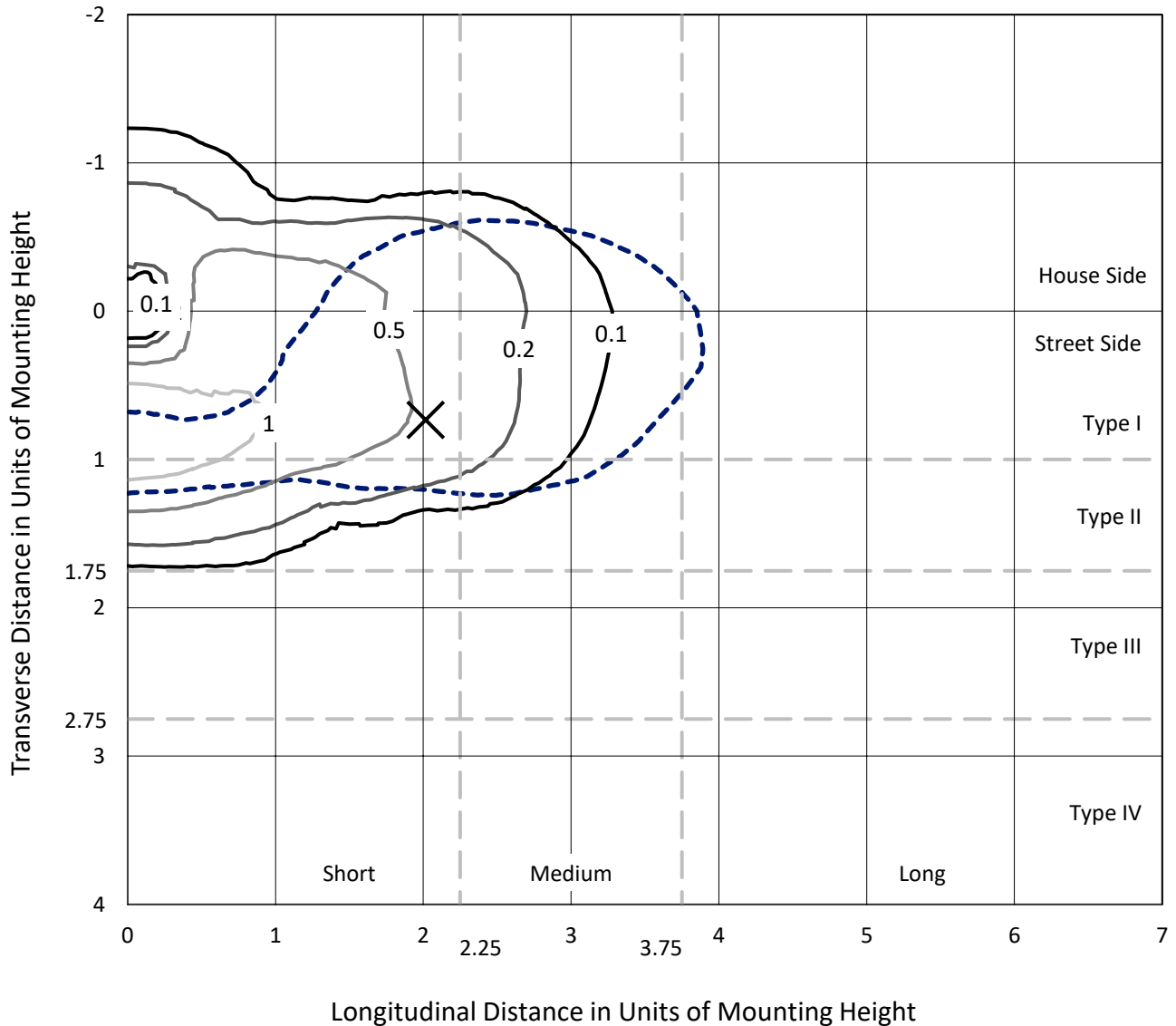
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

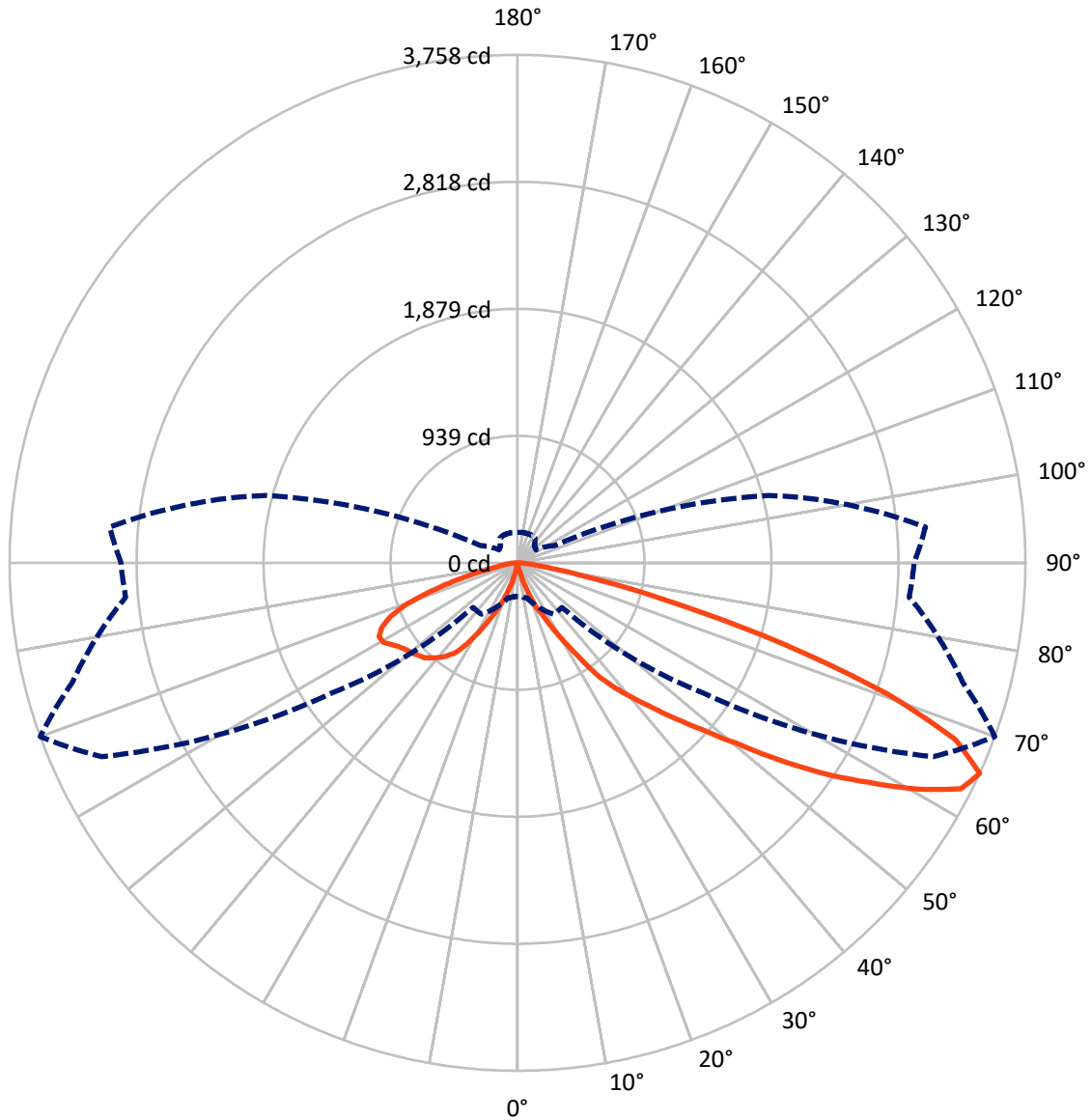
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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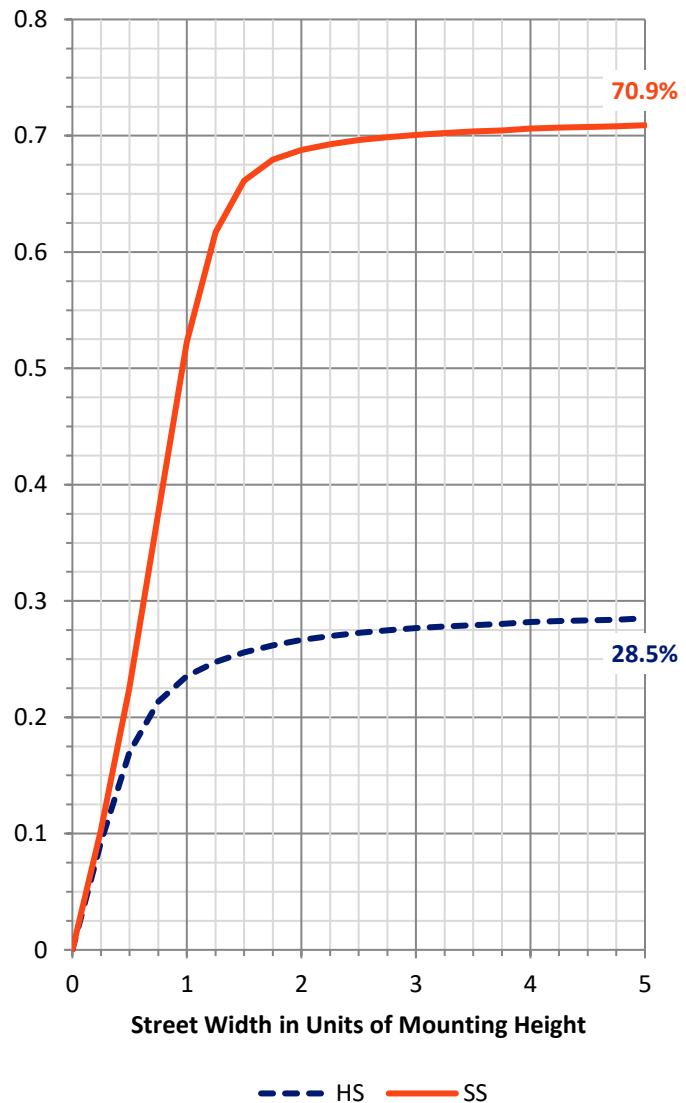
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1345.6	0.0	1345.6
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	3312.4	0.0	3312.4
	% Fixture	71.1	0.0	71.1
Total	Lumens	4658.0	0.0	4658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	34.2	0.7
20°-30°	214.7	4.6
30°-40°	571.1	12.3
40°-50°	977.5	21.0
50°-60°	1195.9	25.7
60°-70°	1073.9	23.1
70°-80°	528.9	11.4
80°-90°	61.6	1.3
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°	4658.0	100.0
0°-180°	4658.0	100.0

Coefficient of Utilization

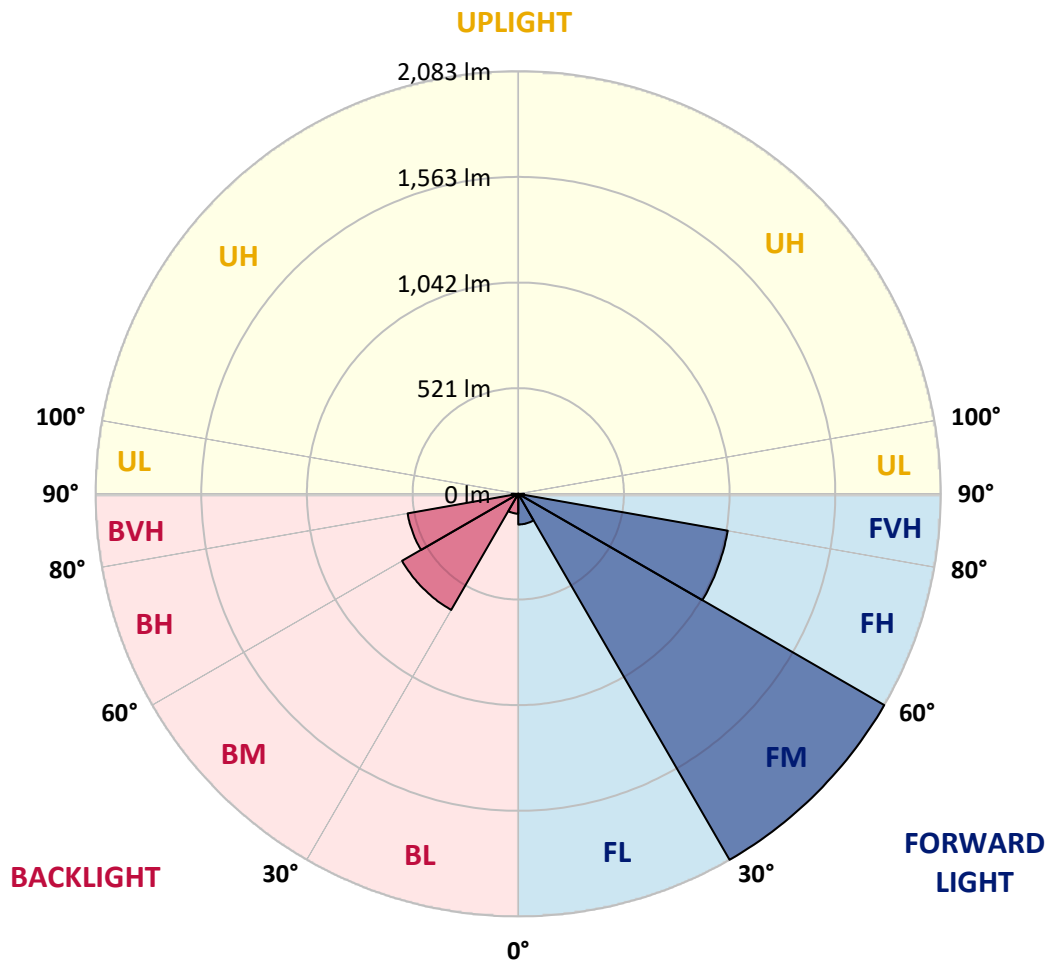


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.2	3.2			
FM (30°-60°)	2083.4	44.7			
FH (60°-80°)	1048.8	22.5			G1/1800
FVH (80°-90°)	29.1	0.6			G1/100
BL (0°-30°)	97.8	2.1	B0/110		
BM (30°-60°)	661.2	14.2	B1/1000		
BH (60°-80°)	554.0	11.9	B2/1000		G2/1000
BVH (80°-90°)	32.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
7.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
10°	10.9	10.9	9.3	6.2	3.1	1.6	1.6	3.1	3.1	3.1	4.7
12.5°	139.6	141.1	136.5	94.6	18.6	6.2	6.2	18.6	48.1	65.1	72.9
15°	159.7	159.7	156.6	153.5	147.3	32.6	58.9	90.0	94.6	134.9	150.4
17.5°	218.7	207.8	184.6	173.7	167.5	178.4	131.8	167.5	172.1	175.2	186.1
20°	415.6	407.9	393.9	327.2	231.1	254.3	241.9	215.6	259.0	269.9	274.5
22.5°	496.3	488.5	474.6	443.6	406.3	294.7	327.2	299.3	361.4	376.9	373.8
25°	840.6	835.9	711.9	530.4	528.9	462.2	431.1	404.8	421.8	474.6	499.4
27.5°	970.9	969.3	930.5	839.0	615.7	567.6	516.4	550.6	538.2	603.3	623.5
30°	1388.0	1305.8	1160.1	963.1	865.4	691.7	699.4	719.6	668.4	708.8	759.9
32.5°	1710.6	1696.7	1606.7	1284.1	997.2	853.0	853.0	860.7	825.1	856.1	913.5
35°	2003.7	1975.8	1836.2	1527.6	1265.5	1036.0	989.5	1032.9	1023.6	1023.6	989.5
37.5°	2189.8	2183.6	2075.1	1758.7	1464.0	1188.0	1150.8	1174.0	1175.6	1180.2	1079.4
40°	2366.6	2351.1	2284.5	1968.1	1719.9	1380.3	1307.4	1344.6	1312.0	1333.8	1194.2
42.5°	2458.2	2438.0	2399.2	2185.2	2002.2	1733.9	1521.4	1498.2	1465.6	1490.4	1332.2
45°	2469.0	2424.0	2434.9	2317.0	2233.3	2041.0	1735.4	1659.4	1647.0	1662.5	1492.0
47.5°	2317.0	2272.0	2348.0	2317.0	2366.6	2262.7	2020.8	1876.6	1850.2	1859.5	1657.9
50°	1966.5	1961.9	2068.9	2179.0	2386.8	2416.3	2374.4	2112.3	2098.3	2092.1	1847.1
52.5°	1623.8	1603.6	1698.2	1864.2	2211.6	2410.1	2662.9	2413.2	2419.4	2348.0	2036.3
55°	1237.6	1260.9	1355.5	1488.8	1831.6	2284.5	2887.7	2805.5	2754.4	2594.6	2224.0
57.5°	755.3	829.7	981.7	1118.2	1464.0	1963.4	2912.6	3148.3	3066.1	2844.3	2416.3
60°	440.5	442.0	561.4	794.1	1056.2	1406.7	2748.2	3446.1	3401.1	3108.0	2611.7
62.5°	308.6	314.8	348.9	547.5	660.7	874.7	2331.0	3574.8	3681.8	3301.8	2807.1
65°	249.7	249.7	268.3	358.3	465.3	465.3	1678.1	3393.3	3757.8	3408.8	2909.5
67.5°	234.2	234.2	243.5	262.1	359.8	307.1	818.9	2934.3	3495.7	3351.5	2923.4
70°	207.8	207.8	226.4	234.2	280.7	235.7	352.1	2205.4	2900.2	3053.7	2828.8
72.5°	175.2	178.4	193.9	221.8	220.2	186.1	238.8	1335.3	2054.9	2416.3	2599.3
75°	144.2	147.3	158.2	181.5	203.2	141.1	190.8	659.1	1229.9	1614.5	2084.4
77.5°	113.2	111.7	127.2	147.3	165.9	108.6	139.6	286.9	612.6	913.5	1246.9
80°	76.0	76.0	91.5	111.7	114.8	102.4	96.2	179.9	255.9	375.3	496.3
82.5°	48.1	49.6	58.9	69.8	79.1	86.8	69.8	110.1	133.4	152.0	142.7
85°	10.9	9.3	15.5	20.2	29.5	31.0	34.1	37.2	46.5	49.6	43.4
87.5°	0.0	0.0	1.6	1.6	1.6	3.1	3.1	6.2	6.2	7.8	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

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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°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
7.5°	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
10°	4.7	4.7	3.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	76.0	74.4	69.8	21.7	6.2	1.6	0.0	1.6	3.1	4.7	6.2
15°	152.0	150.4	142.7	96.2	80.6	10.9	4.7	21.7	99.3	138.0	142.7
17.5°	186.1	187.7	179.9	176.8	128.7	82.2	86.8	162.8	170.6	173.7	173.7
20°	274.5	273.0	268.3	240.4	179.9	161.3	207.8	178.4	184.6	190.8	193.9
22.5°	372.2	369.1	362.9	290.0	252.8	257.4	226.4	240.4	322.6	327.2	328.8
25°	488.5	477.7	443.6	378.4	364.5	313.3	333.4	310.2	316.4	317.9	316.4
27.5°	606.4	594.0	514.9	476.1	434.2	328.8	342.7	316.4	355.2	395.5	395.5
30°	730.5	707.2	615.7	580.0	491.6	395.5	335.0	350.5	358.3	356.7	356.7
32.5°	868.5	825.1	705.7	707.2	525.7	393.9	345.8	319.5	336.5	395.5	397.0
35°	941.4	885.6	817.3	789.4	567.6	362.9	307.1	331.9	361.4	364.5	362.9
37.5°	1014.3	941.4	863.8	857.6	545.9	330.3	300.9	314.8	327.2	322.6	322.6
40°	1112.0	1026.7	952.2	860.7	510.2	299.3	288.5	296.2	297.8	293.1	293.1
42.5°	1234.5	1135.2	1059.3	834.4	445.1	279.2	276.1	280.7	283.8	277.6	276.1
45°	1378.7	1262.4	1166.3	803.4	362.9	268.3	269.9	269.9	274.5	268.3	266.8
47.5°	1543.1	1422.2	1242.3	763.0	307.1	259.0	265.2	262.1	265.2	257.4	255.9
50°	1727.7	1591.2	1347.7	707.2	277.6	246.6	262.1	252.8	255.9	251.2	251.2
52.5°	1899.8	1782.0	1450.1	639.0	254.3	237.3	251.2	251.2	254.3	249.7	248.1
55°	2089.0	1989.8	1571.0	570.7	231.1	229.5	249.7	252.8	251.2	246.6	246.6
57.5°	2284.5	2234.8	1692.0	530.4	210.9	215.6	248.1	254.3	249.7	245.0	243.5
60°	2512.4	2541.9	1811.4	497.8	192.3	201.6	243.5	248.1	245.0	240.4	240.4
62.5°	2752.8	2853.6	1904.5	415.6	179.9	189.2	234.2	240.4	235.7	234.2	234.2
65°	2934.3	3028.9	1924.6	302.4	167.5	176.8	224.9	229.5	228.0	226.4	226.4
67.5°	3010.3	3036.6	1830.0	215.6	155.1	165.9	214.0	220.2	215.6	218.7	217.1
70°	2969.9	2835.0	1569.5	178.4	142.7	152.0	200.1	204.7	201.6	209.4	206.3
72.5°	2647.4	2371.3	1170.9	150.4	131.8	138.0	184.6	187.7	186.1	189.2	183.0
75°	2008.4	1684.3	732.0	133.4	119.4	122.5	164.4	170.6	165.9	164.4	158.2
77.5°	1158.5	1015.8	366.0	121.0	107.0	105.5	144.2	148.9	145.8	136.5	139.6
80°	429.6	355.2	164.4	105.5	93.1	88.4	119.4	124.1	121.0	111.7	111.7
82.5°	124.1	114.8	100.8	86.8	80.6	69.8	96.2	100.8	99.3	94.6	88.4
85°	38.8	40.3	51.2	55.8	58.9	49.6	72.9	72.9	66.7	60.5	49.6
87.5°	4.7	7.8	9.3	15.5	18.6	14.0	18.6	20.2	18.6	12.4	12.4
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)