

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: P695050

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695050
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-PA16-40-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4127 lumens
Efficiency: N/A
Efficacy: 102.7 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

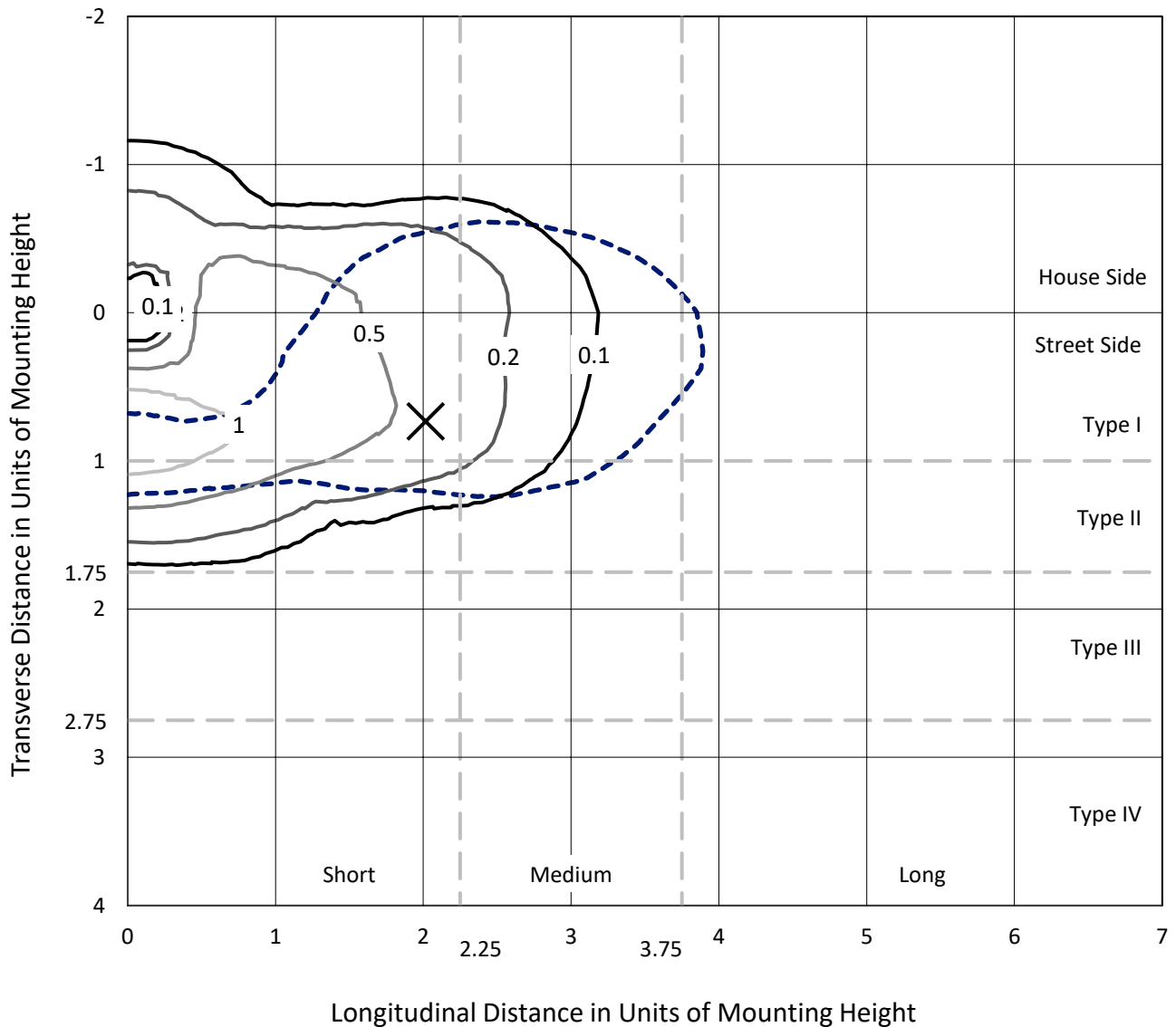
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

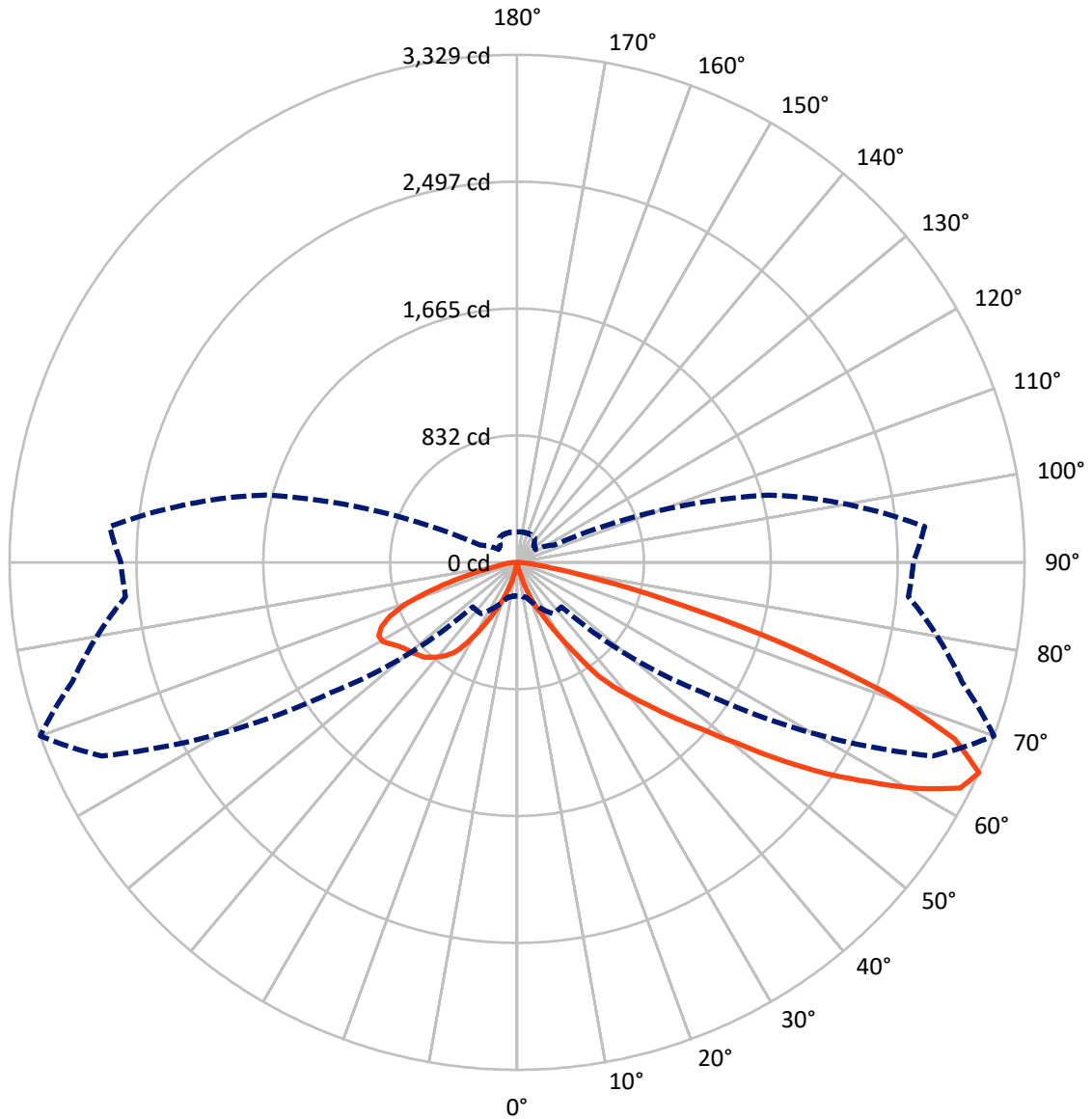
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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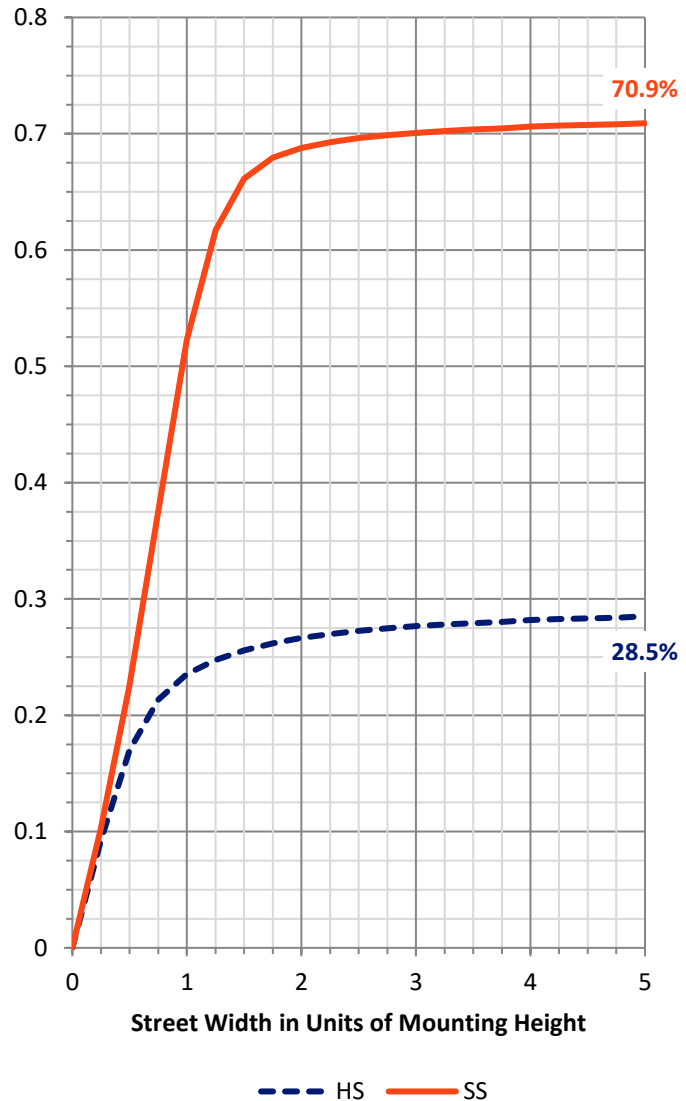
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.2	0.0	1192.2
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	2934.8	0.0	2934.8
	% Fixture	71.1	0.0	71.1
Total	Lumens	4127.0	0.0	4127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	30.3	0.7
20°-30°	190.2	4.6
30°-40°	506.0	12.3
40°-50°	866.1	21.0
50°-60°	1059.6	25.7
60°-70°	951.4	23.1
70°-80°	468.6	11.4
80°-90°	54.6	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°	4127.0	100.0
0°-180°	4127.0	100.0

Coefficient of Utilization



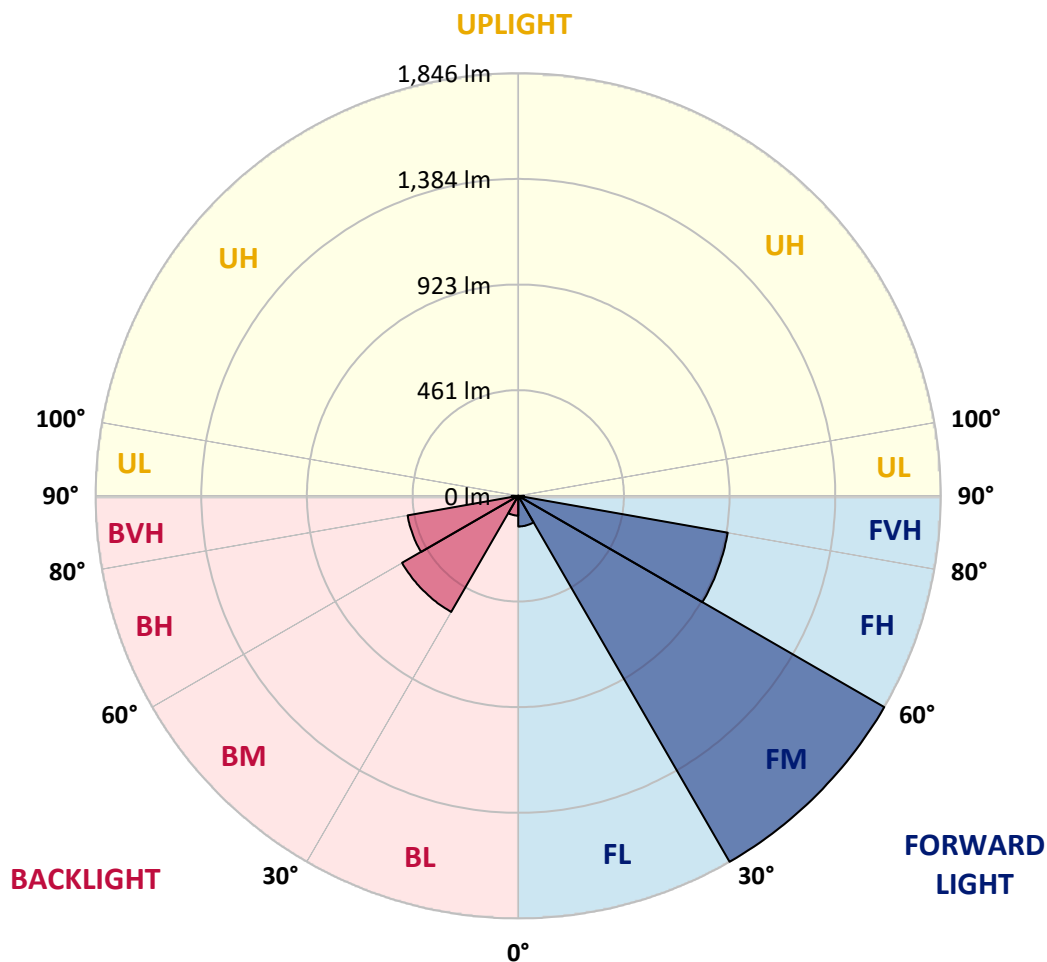
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.0	3.2			
FM (30°-60°)	1845.8	44.7			
FH (60°-80°)	929.2	22.5			G1/1800
FVH (80°-90°)	25.7	0.6			G1/100
BL (0°-30°)	86.7	2.1	B0/110		
BM (30°-60°)	585.9	14.2	B1/1000		
BH (60°-80°)	490.9	11.9	B1/500		G1/500
BVH (80°-90°)	28.8	0.7			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°	70°	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	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
7.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
10°	9.6	9.6	8.2	5.5	2.7	1.4	1.4	2.7	2.7	2.7	4.1
12.5°	123.7	125.0	120.9	83.8	16.5	5.5	5.5	16.5	42.6	57.7	64.6
15°	141.5	141.5	138.8	136.0	130.5	28.9	52.2	79.7	83.8	119.5	133.3
17.5°	193.7	184.1	163.5	153.9	148.4	158.0	116.8	148.4	152.5	155.3	164.9
20°	368.3	361.4	349.0	289.9	204.7	225.4	214.4	191.0	229.5	239.1	243.2
22.5°	439.7	432.8	420.5	393.0	360.0	261.1	289.9	265.2	320.2	333.9	331.2
25°	744.8	740.6	630.7	469.9	468.6	409.5	382.0	358.6	373.8	420.5	442.5
27.5°	860.2	858.8	824.5	743.4	545.5	502.9	457.6	487.8	476.8	534.5	552.4
30°	1229.8	1157.0	1027.8	853.3	766.7	612.8	619.7	637.6	592.2	628.0	673.3
32.5°	1515.6	1503.3	1423.6	1137.7	883.5	755.7	755.7	762.6	731.0	758.5	809.3
35°	1775.3	1750.6	1626.9	1353.5	1121.3	917.9	876.7	915.1	906.9	906.9	876.7
37.5°	1940.2	1934.7	1838.5	1558.2	1297.1	1052.6	1019.6	1040.2	1041.6	1045.7	956.4
40°	2096.9	2083.1	2024.0	1743.7	1523.9	1222.9	1158.4	1191.3	1162.5	1181.7	1058.0
42.5°	2177.9	2160.1	2125.7	1936.1	1773.9	1536.2	1348.0	1327.4	1298.5	1320.5	1180.3
45°	2187.5	2147.7	2157.3	2052.9	1978.7	1808.3	1537.6	1470.3	1459.3	1473.0	1321.9
47.5°	2052.9	2013.0	2080.4	2052.9	2096.9	2004.8	1790.4	1662.6	1639.3	1647.5	1468.9
50°	1742.3	1738.2	1833.0	1930.6	2114.7	2140.8	2103.7	1871.5	1859.1	1853.6	1636.5
52.5°	1438.7	1420.8	1504.6	1651.7	1959.4	2135.3	2359.3	2138.1	2143.6	2080.4	1804.2
55°	1096.5	1117.1	1201.0	1319.1	1622.8	2024.0	2558.6	2485.7	2440.4	2298.8	1970.4
57.5°	669.2	735.1	869.8	990.7	1297.1	1739.6	2580.5	2789.4	2716.6	2520.1	2140.8
60°	390.2	391.6	497.4	703.5	935.8	1246.3	2434.9	3053.2	3013.4	2753.7	2314.0
62.5°	273.4	278.9	309.2	485.1	585.4	775.0	2065.3	3167.3	3262.1	2925.4	2487.1
65°	221.2	221.2	237.7	317.4	412.2	412.2	1486.8	3006.5	3329.4	3020.2	2577.8
67.5°	207.5	207.5	215.7	232.2	318.8	272.1	725.5	2599.8	3097.2	2969.4	2590.2
70°	184.1	184.1	200.6	207.5	248.7	208.9	311.9	1954.0	2569.5	2705.6	2506.3
72.5°	155.3	158.0	171.8	196.5	195.1	164.9	211.6	1183.1	1820.7	2140.8	2303.0
75°	127.8	130.5	140.2	160.8	180.0	125.0	169.0	584.0	1089.7	1430.4	1846.8
77.5°	100.3	98.9	112.7	130.5	147.0	96.2	123.7	254.2	542.8	809.3	1104.8
80°	67.3	67.3	81.1	98.9	101.7	90.7	85.2	159.4	226.7	332.5	439.7
82.5°	42.6	44.0	52.2	61.8	70.1	76.9	61.8	97.6	118.2	134.7	126.4
85°	9.6	8.2	13.7	17.9	26.1	27.5	30.2	33.0	41.2	44.0	38.5
87.5°	0.0	0.0	1.4	1.4	1.4	2.7	2.7	5.5	5.5	6.9	6.9
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°	1.4	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	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
7.5°	0.0	0.0	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
10°	4.1	4.1	2.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	67.3	66.0	61.8	19.2	5.5	1.4	0.0	1.4	2.7	4.1	5.5
15°	134.7	133.3	126.4	85.2	71.5	9.6	4.1	19.2	87.9	122.3	126.4
17.5°	164.9	166.3	159.4	156.6	114.0	72.8	76.9	144.3	151.1	153.9	153.9
20°	243.2	241.8	237.7	213.0	159.4	142.9	184.1	158.0	163.5	169.0	171.8
22.5°	329.8	327.0	321.5	257.0	224.0	228.1	200.6	213.0	285.8	289.9	291.3
25°	432.8	423.2	393.0	335.3	322.9	277.6	295.4	274.8	280.3	281.7	280.3
27.5°	537.3	526.3	456.2	421.8	384.7	291.3	303.7	280.3	314.7	350.4	350.4
30°	647.2	626.6	545.5	513.9	435.6	350.4	296.8	310.5	317.4	316.0	316.0
32.5°	769.5	731.0	625.2	626.6	465.8	349.0	306.4	283.1	298.2	350.4	351.8
35°	834.1	784.6	724.1	699.4	502.9	321.5	272.1	294.1	320.2	322.9	321.5
37.5°	898.7	834.1	765.4	759.9	483.7	292.7	266.6	278.9	289.9	285.8	285.8
40°	985.2	909.6	843.7	762.6	452.1	265.2	255.6	262.5	263.8	259.7	259.7
42.5°	1093.8	1005.8	938.5	739.3	394.4	247.3	244.6	248.7	251.5	246.0	244.6
45°	1221.6	1118.5	1033.3	711.8	321.5	237.7	239.1	239.1	243.2	237.7	236.3
47.5°	1367.2	1260.0	1100.6	676.1	272.1	229.5	235.0	232.2	235.0	228.1	226.7
50°	1530.7	1409.8	1194.1	626.6	246.0	218.5	232.2	224.0	226.7	222.6	222.6
52.5°	1683.3	1578.8	1284.8	566.1	225.4	210.2	222.6	222.6	225.4	221.2	219.9
55°	1850.9	1763.0	1392.0	505.7	204.7	203.4	221.2	224.0	222.6	218.5	218.5
57.5°	2024.0	1980.1	1499.1	469.9	186.9	191.0	219.9	225.4	221.2	217.1	215.7
60°	2226.0	2252.1	1604.9	441.1	170.4	178.6	215.7	219.9	217.1	213.0	213.0
62.5°	2439.0	2528.3	1687.4	368.3	159.4	167.6	207.5	213.0	208.9	207.5	207.5
65°	2599.8	2683.6	1705.2	267.9	148.4	156.6	199.2	203.4	202.0	200.6	200.6
67.5°	2667.1	2690.5	1621.4	191.0	137.4	147.0	189.6	195.1	191.0	193.7	192.4
70°	2631.4	2511.8	1390.6	158.0	126.4	134.7	177.3	181.4	178.6	185.5	182.8
72.5°	2345.6	2101.0	1037.4	133.3	116.8	122.3	163.5	166.3	164.9	167.6	162.1
75°	1779.4	1492.3	648.6	118.2	105.8	108.6	145.7	151.1	147.0	145.7	140.2
77.5°	1026.4	900.0	324.3	107.2	94.8	93.4	127.8	131.9	129.2	120.9	123.7
80°	380.6	314.7	145.7	93.4	82.4	78.3	105.8	109.9	107.2	98.9	98.9
82.5°	109.9	101.7	89.3	76.9	71.5	61.8	85.2	89.3	87.9	83.8	78.3
85°	34.4	35.7	45.3	49.5	52.2	44.0	64.6	64.6	59.1	53.6	44.0
87.5°	4.1	6.9	8.2	13.7	16.5	12.4	16.5	17.9	16.5	11.0	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)