

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: P253978

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-16-90°)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-T2U-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN  
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO  
COMPETITIVE OFFERINGS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

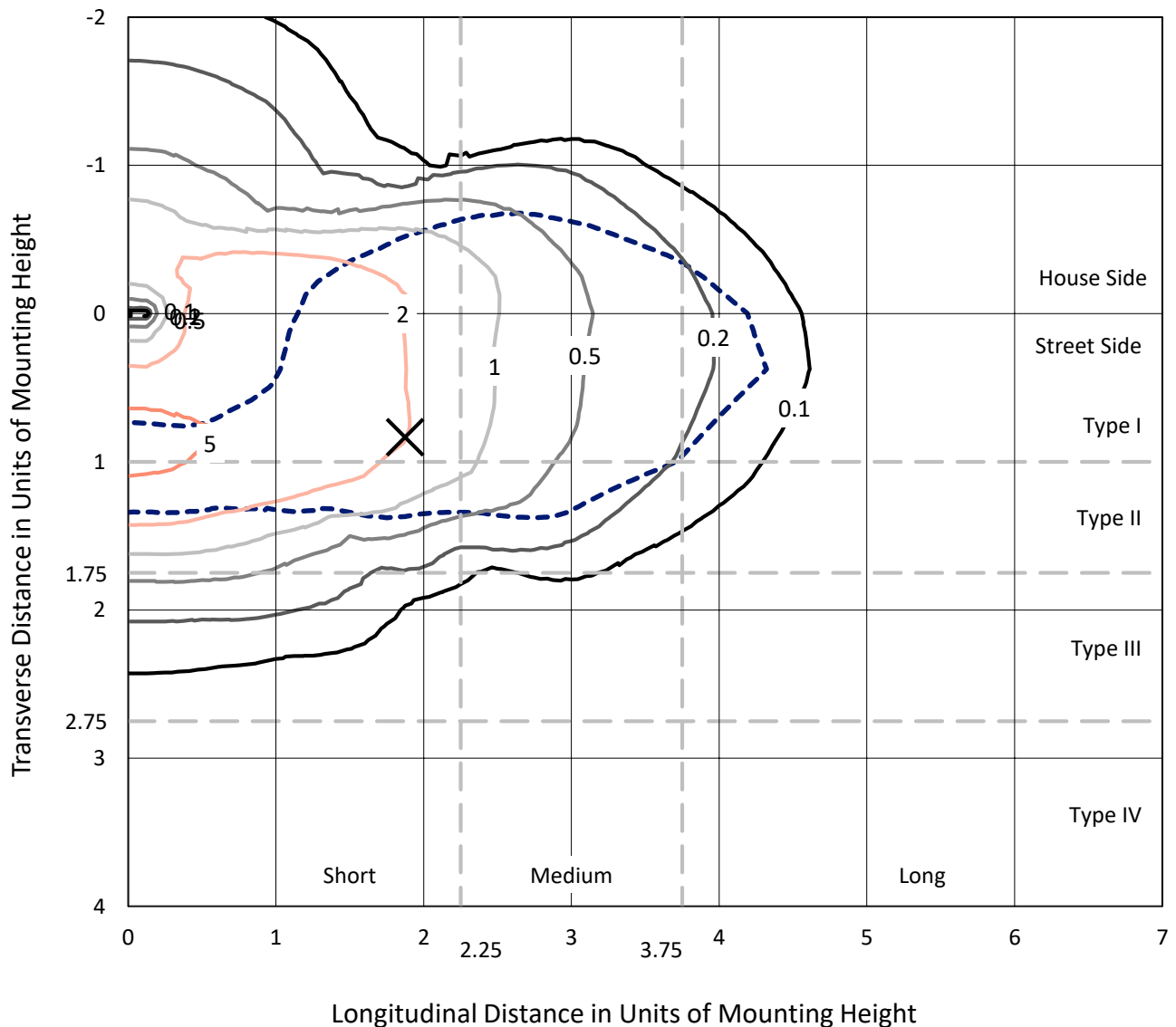
Lumens per Lamp: N/A  
Luminaire Lumens: 3300.7 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (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: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

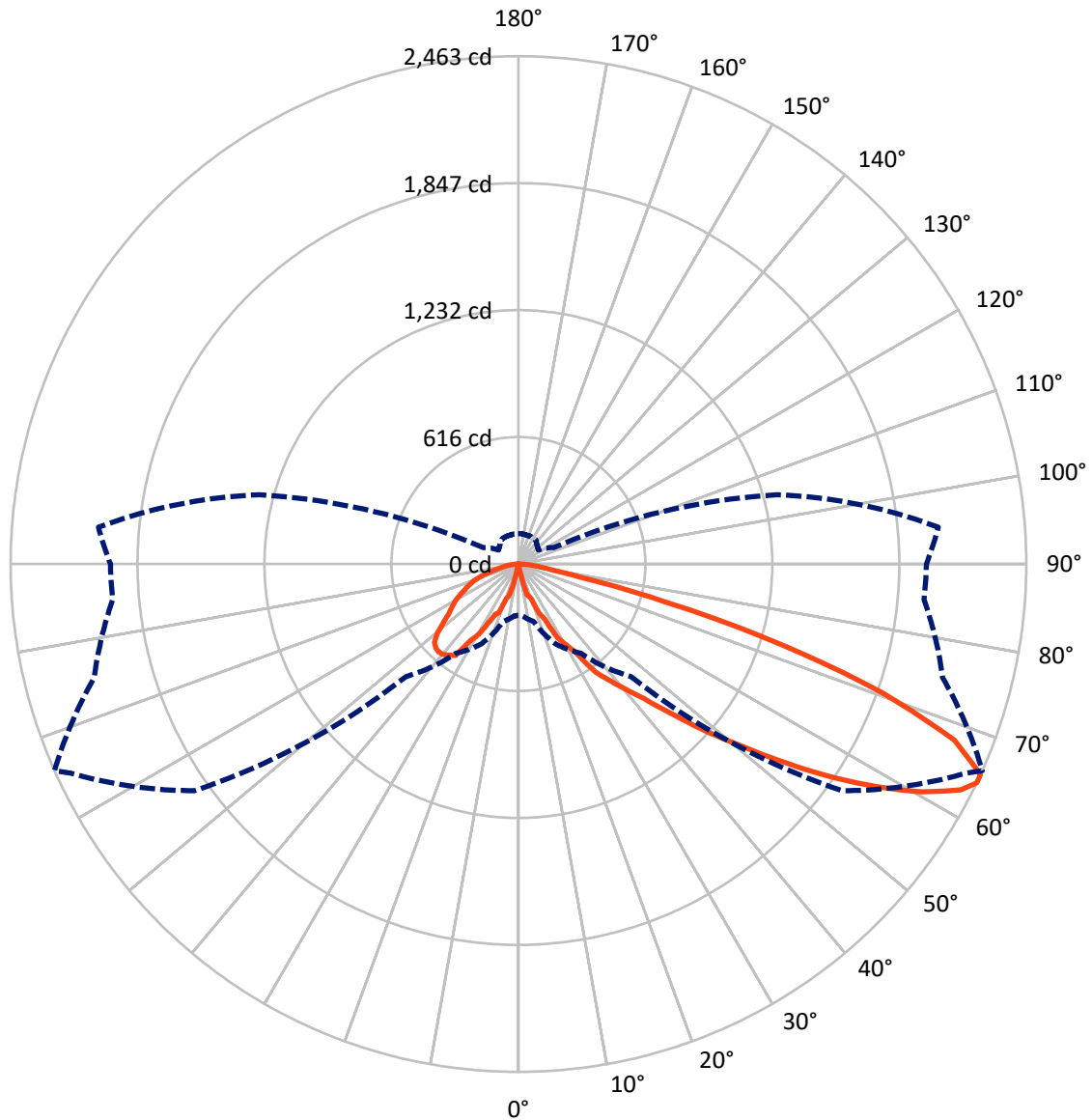
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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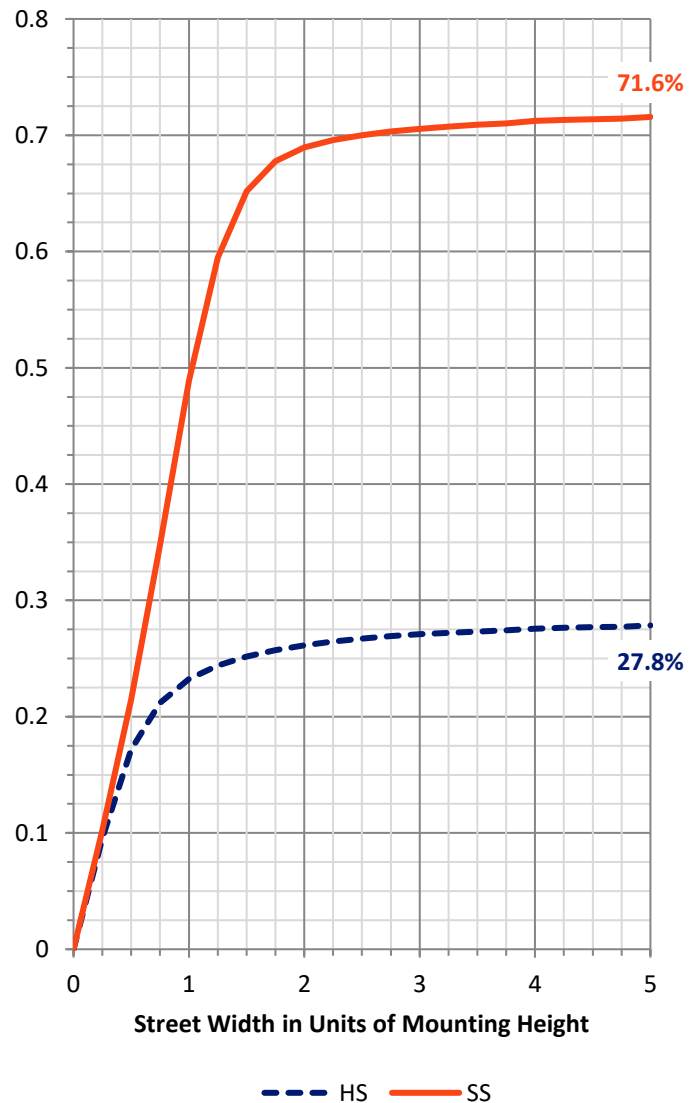
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	929.7	0.0	929.7
	% Fixture	28.2	0.0	28.2
<b>Street Side</b>	Lumens	2371.1	0.0	2371.1
	% Fixture	71.8	0.0	71.8
<b>Total</b>	Lumens	3300.7	0.0	3300.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	36.4	1.1
20°-30°	141.4	4.3
30°-40°	349.8	10.6
40°-50°	658.0	19.9
50°-60°	872.9	26.4
60°-70°	785.9	23.8
70°-80°	401.3	12.2
80°-90°	52.6	1.6
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°	3300.7	100.0
0°-180°	3300.7	100.0



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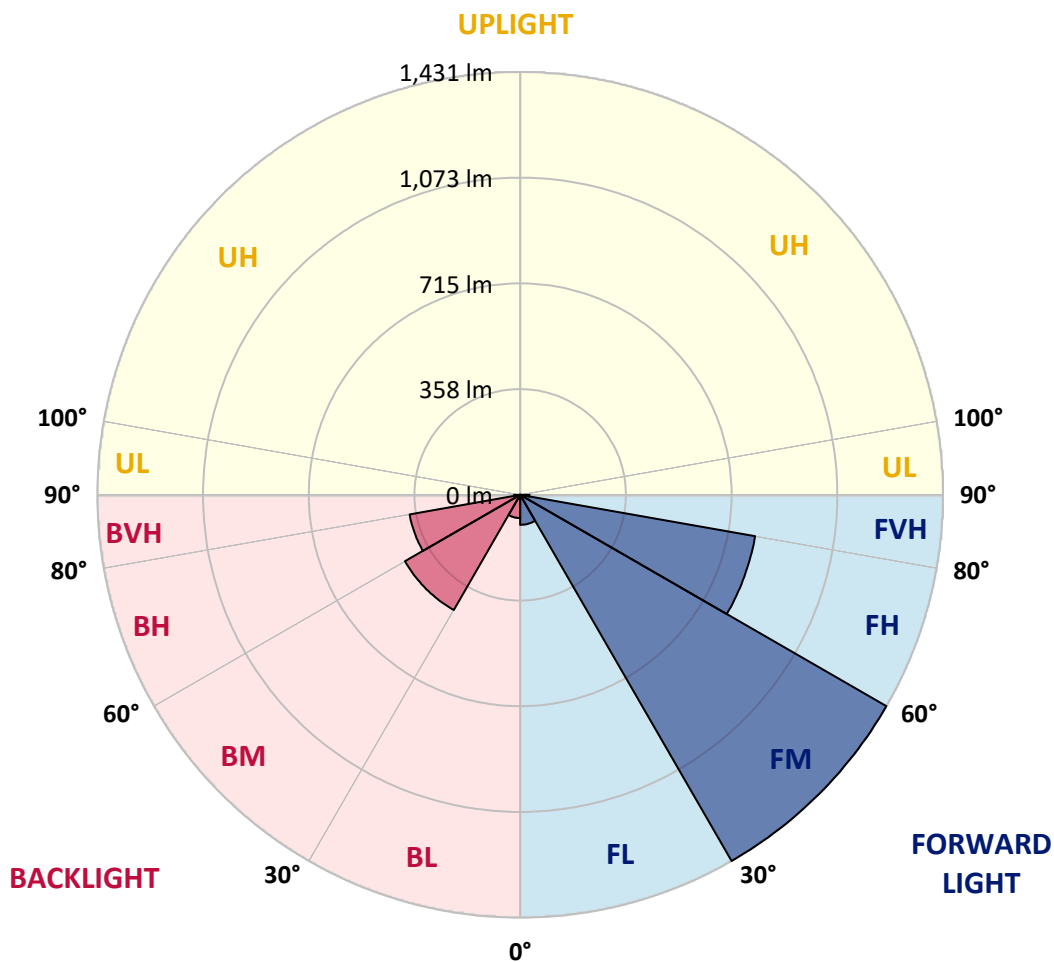
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.6	3.1			
FM	(30°-60°)	1430.7	43.3			
FH	(60°-80°)	807.3	24.5			G1/1800
FVH	(80°-90°)	31.4	1.0			G1/100
BL	(0°-30°)	78.7	2.4	B0/110		
BM	(30°-60°)	450.0	13.6	B1/1000		
BH	(60°-80°)	379.8	11.5	B1/500		G1/500
BVH	(80°-90°)	21.2	0.6			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°	66°	75°	85°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	1.5	1.1	1.5	1.8	1.8	1.5	1.1	0.3	0.3	0.0	0.0
5°	70.4	69.0	48.0	18.7	9.8	5.3	2.6	1.1	0.8	0.3	0.3
7.5°	73.4	73.4	73.4	74.2	72.6	70.4	12.0	2.6	2.3	0.8	0.3
10°	75.0	74.6	73.8	74.6	73.8	73.8	72.3	9.4	8.6	2.9	2.3
12.5°	140.8	140.1	135.6	87.6	76.8	76.8	77.1	63.0	63.3	20.2	52.0
15°	147.2	146.9	144.9	145.7	141.2	84.2	118.3	151.7	153.2	106.3	120.1
17.5°	163.7	161.0	155.0	153.2	151.4	172.6	165.5	165.2	165.2	124.0	130.7
20°	253.2	249.7	246.4	199.2	166.3	219.8	203.3	178.6	180.2	211.2	224.0
22.5°	290.9	288.3	283.1	272.3	283.8	237.1	248.7	260.2	261.7	276.0	254.7
25°	396.2	398.5	370.7	317.6	342.3	295.1	318.7	287.3	295.1	299.9	315.0
27.5°	512.7	504.8	496.2	451.7	389.5	414.9	351.3	375.7	404.8	408.9	383.5
30°	652.8	641.9	573.4	568.4	498.4	467.0	454.3	461.0	453.1	429.5	429.9
32.5°	823.5	817.1	787.2	695.1	630.7	535.5	553.2	505.3	509.7	558.5	566.6
35°	1060.9	1050.1	907.1	857.5	729.9	687.2	618.6	638.5	643.7	634.4	623.6
37.5°	1333.2	1323.4	1211.1	1010.0	882.3	784.2	763.6	728.4	714.5	716.4	720.1
40°	1493.9	1487.1	1387.9	1220.1	1036.7	933.3	866.2	818.0	796.2	823.5	815.6
42.5°	1608.9	1599.1	1542.2	1378.6	1247.0	1144.1	990.2	926.5	891.3	950.1	923.5
45°	1677.7	1663.2	1635.1	1486.4	1419.4	1383.0	1156.8	1053.0	1026.8	1071.1	1051.6
47.5°	1656.8	1632.8	1650.4	1562.4	1559.3	1594.2	1351.5	1199.1	1198.3	1214.1	1199.5
50°	1526.8	1509.6	1562.0	1571.8	1646.3	1761.6	1588.9	1363.5	1372.6	1366.5	1349.7
52.5°	1286.4	1290.2	1373.3	1453.3	1638.8	1861.2	1824.2	1557.2	1581.8	1516.0	1488.2
55°	1037.3	1050.1	1139.6	1239.5	1520.2	1885.2	2028.6	1771.0	1812.2	1661.3	1618.5
57.5°	787.2	804.3	911.1	986.1	1283.4	1802.4	2150.0	1972.1	2032.4	1799.8	1740.0
60°	501.1	511.6	643.0	768.8	957.2	1522.3	2178.4	2177.0	2243.9	1940.7	1847.8
62.5°	324.3	330.3	386.1	554.3	665.5	1062.8	2085.5	2341.8	2410.3	2077.7	1940.2
64°	248.2	253.5	289.1	427.6	528.0	772.6	1916.6	2398.2	2463.0	2129.8	1974.8
65°	215.7	219.1	245.3	348.6	449.4	606.0	1750.5	2399.8	2461.9	2144.8	1980.8
67.5°	179.4	180.5	190.2	220.6	317.6	337.8	1104.7	2221.5	2279.9	2112.5	1933.2
70°	162.6	164.8	177.5	179.7	245.3	233.7	411.6	1827.9	1875.1	2026.0	1827.6
72.5°	140.1	142.7	159.2	172.6	189.9	185.4	208.2	1283.8	1333.9	1754.1	1707.2
75°	114.1	116.8	132.5	152.4	159.2	145.7	163.7	659.5	743.7	1296.5	1528.0
77.5°	90.5	93.2	105.7	119.8	143.4	111.6	130.7	252.8	302.2	805.6	1136.7
80°	64.5	65.9	79.0	90.5	108.2	96.5	95.2	138.2	145.4	400.3	572.2
82.5°	39.7	40.9	52.8	60.6	72.3	96.5	68.2	95.2	97.4	168.2	175.3
85°	22.1	22.8	31.8	34.4	40.1	49.0	45.7	52.0	53.5	75.0	44.1
87.5°	2.6	3.4	7.5	8.2	7.5	8.2	8.2	7.5	7.8	6.8	3.8
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.3	0.3	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.3	0.3	0.8	0.8	1.1	1.1	1.5	2.3	2.3	2.3	2.6
7.5°	0.3	0.3	0.8	1.1	1.5	3.8	18.7	64.8	72.9	75.6	75.6
10°	2.3	2.3	2.3	2.6	7.5	72.9	82.1	84.6	85.8	85.8	86.6
12.5°	57.3	57.3	30.7	12.0	68.5	85.3	87.3	89.1	90.2	91.3	92.9
15°	121.0	121.4	118.0	115.7	122.1	92.1	93.2	150.1	156.6	159.2	159.5
17.5°	131.4	130.7	131.4	167.3	176.4	137.7	153.9	164.4	165.5	165.8	165.8
20°	235.9	234.8	186.5	177.1	181.0	228.8	165.8	166.3	186.5	216.5	225.8
22.5°	253.2	250.9	237.4	258.7	237.4	233.7	210.9	218.0	224.7	224.0	223.6
25°	319.0	312.7	261.7	267.3	300.7	236.6	253.2	210.5	214.2	215.3	215.7
27.5°	392.5	385.0	368.1	314.5	306.7	295.9	237.1	219.8	244.2	245.0	243.4
30°	419.4	409.2	385.0	393.6	328.1	279.0	227.4	232.6	220.1	219.8	220.1
32.5°	570.0	551.6	504.4	426.5	346.5	252.4	224.0	207.5	221.4	225.1	225.1
35°	623.6	599.7	558.8	535.2	332.1	245.0	196.2	200.4	201.1	200.4	200.7
37.5°	693.9	662.4	625.4	545.3	342.3	213.0	187.3	185.7	200.4	203.0	204.1
40°	776.0	746.0	711.5	553.5	307.1	195.9	179.4	185.7	189.9	190.6	191.3
42.5°	880.1	838.4	792.4	552.0	261.3	188.0	177.9	177.9	182.8	181.3	181.3
45°	998.7	945.6	868.5	537.8	216.5	181.0	174.2	171.5	173.7	170.8	170.8
47.5°	1132.2	1073.7	925.4	515.7	190.6	174.5	170.8	162.6	167.8	167.0	167.0
50°	1273.3	1212.2	978.5	465.9	174.5	169.0	162.1	160.3	167.0	165.5	165.2
52.5°	1408.9	1356.0	1019.0	398.1	160.6	163.7	159.2	158.4	164.4	162.9	162.6
55°	1538.8	1508.1	1069.5	340.8	148.3	154.3	158.0	158.0	161.8	160.3	160.3
57.5°	1665.3	1671.3	1129.5	301.4	139.0	146.9	156.6	156.1	158.4	157.4	157.7
60°	1794.2	1833.2	1189.4	264.4	131.4	138.2	153.5	152.8	153.9	153.5	153.9
62.5°	1916.3	1980.4	1262.1	216.9	123.3	131.4	148.7	149.4	149.0	150.1	150.1
64°	1978.8	2044.4	1298.0	189.1	118.3	127.3	144.9	146.1	145.7	147.9	147.5
65°	2003.2	2068.0	1310.8	172.6	115.4	124.7	142.2	143.7	143.4	146.1	144.9
67.5°	1996.3	2040.2	1295.4	142.2	107.5	117.6	135.2	137.7	136.7	140.4	137.7
70°	1925.7	1889.3	1173.7	124.0	101.1	109.7	126.2	129.6	127.8	131.4	127.0
72.5°	1793.1	1630.5	913.4	107.5	94.0	101.8	116.2	119.4	118.0	119.4	114.6
75°	1499.5	1257.6	534.4	93.2	84.6	91.0	104.2	107.5	106.0	102.6	100.7
77.5°	1042.6	795.1	211.2	81.6	76.1	79.8	88.7	91.8	89.5	83.1	82.1
80°	497.3	354.6	101.5	70.8	65.9	68.2	72.6	73.8	73.4	67.0	64.0
82.5°	152.4	116.2	70.0	57.0	53.5	52.8	57.3	55.8	55.0	50.6	39.7
85°	34.4	34.1	39.4	35.2	33.7	30.4	34.4	33.4	32.6	24.4	21.0
87.5°	1.1	2.3	1.8	4.9	5.3	4.2	6.8	7.1	5.3	2.3	0.3
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)