

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: P694620

Luminaire Tested: **LXF.LXT-PA16-20-750-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-750-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2774.1 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

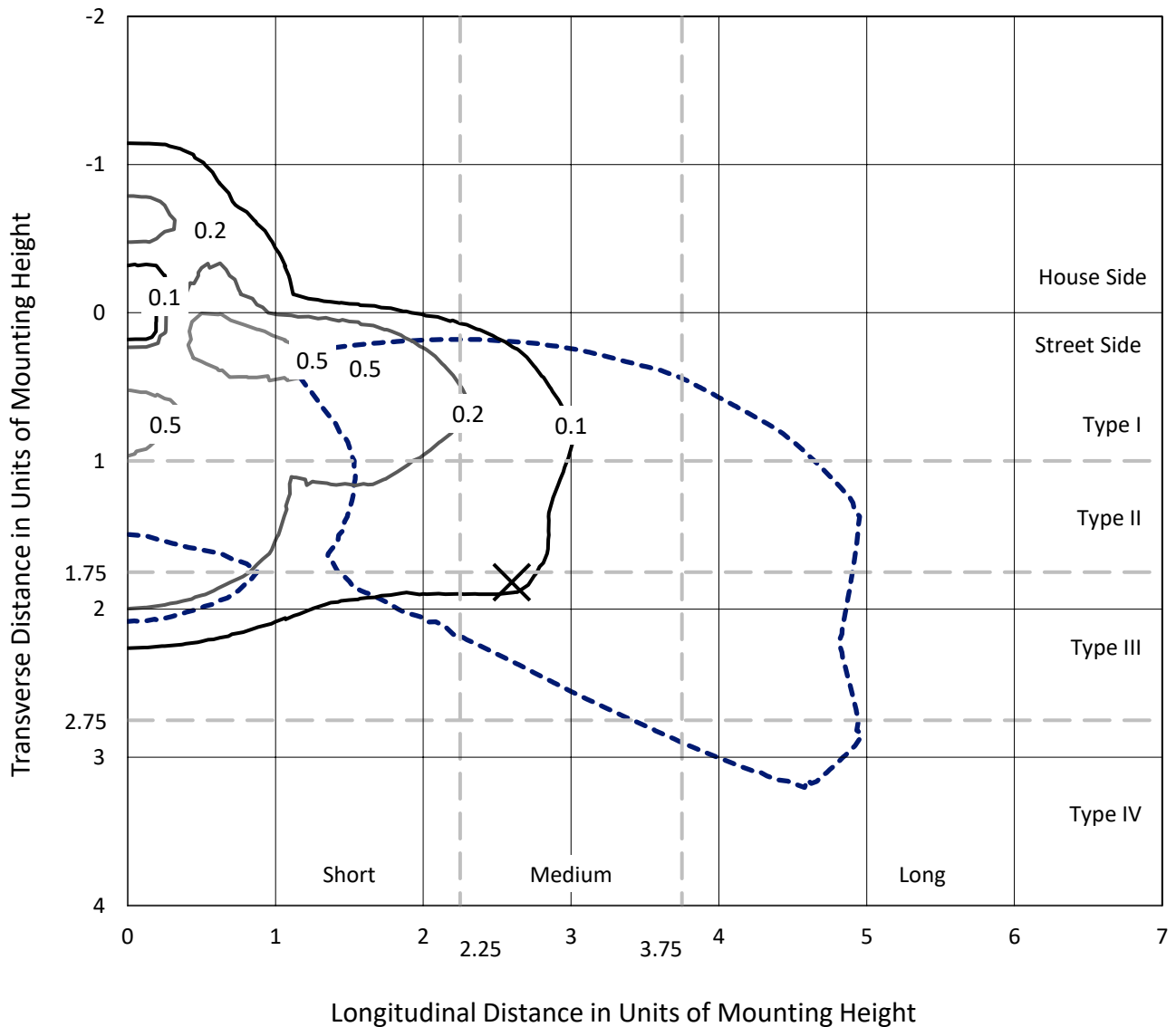
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

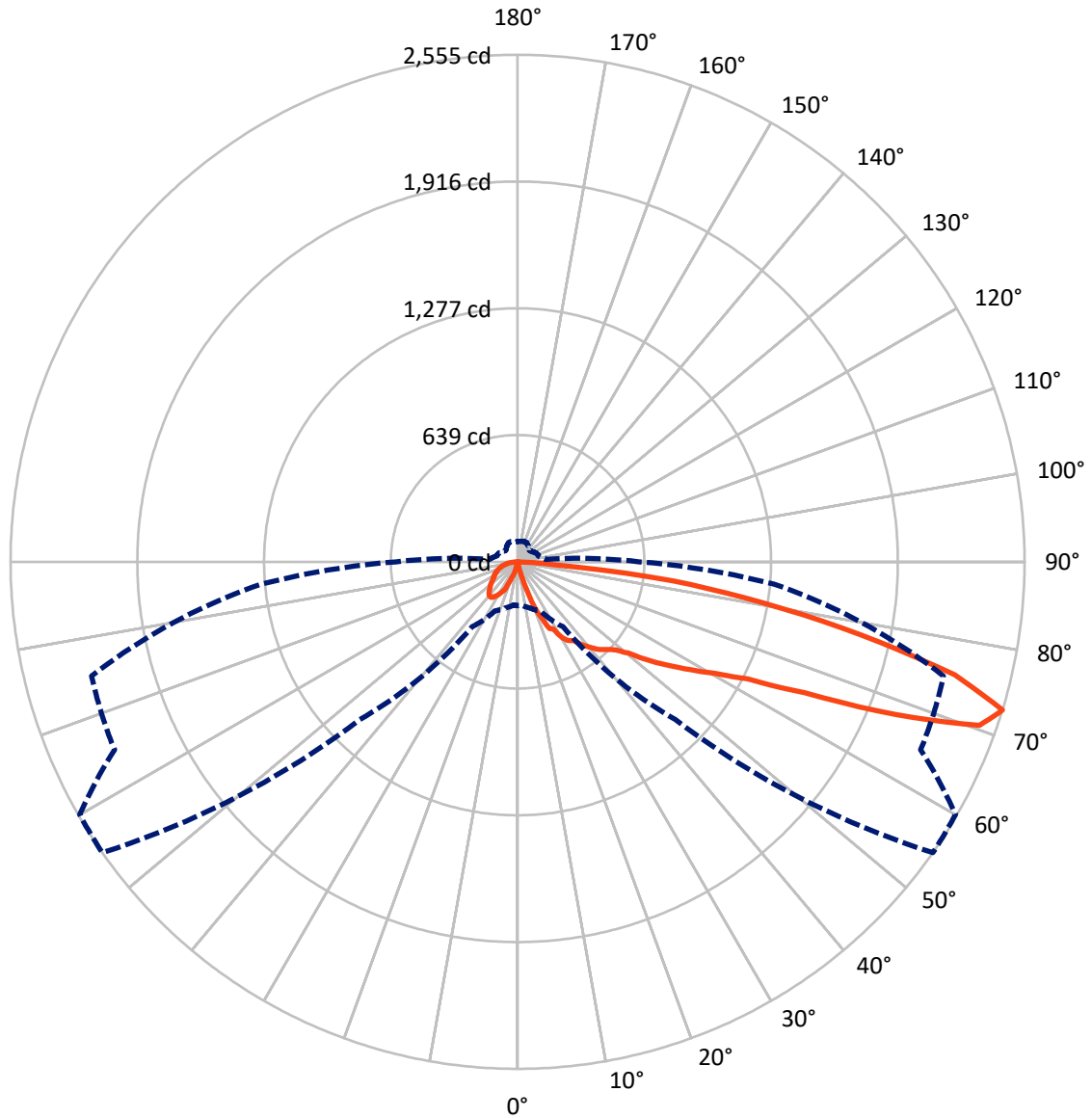
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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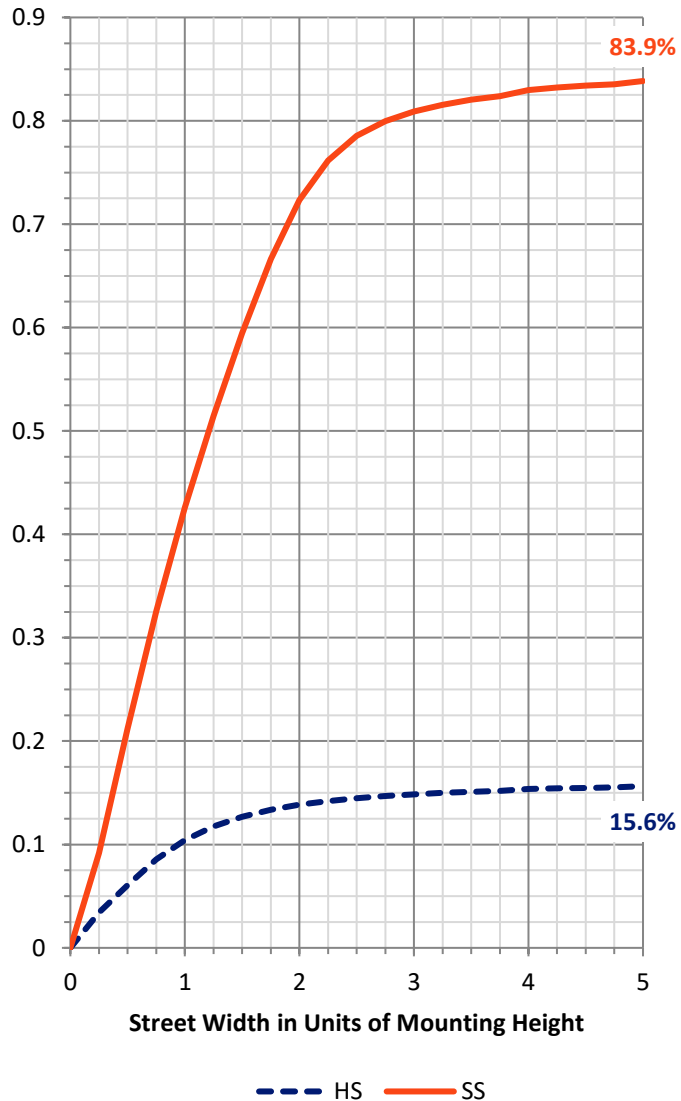
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	440.7	0.0	440.7
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	2333.3	0.0	2333.3
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	2774.1	0.0	2774.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	26.8	1.0
20°-30°	125.6	4.5
30°-40°	267.4	9.6
40°-50°	389.4	14.0
50°-60°	567.3	20.5
60°-70°	752.9	27.1
70°-80°	554.3	20.0
80°-90°	90.2	3.3
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°	2774.1	100.0
0°-180°	2774.1	100.0

**Coefficient of Utilization**



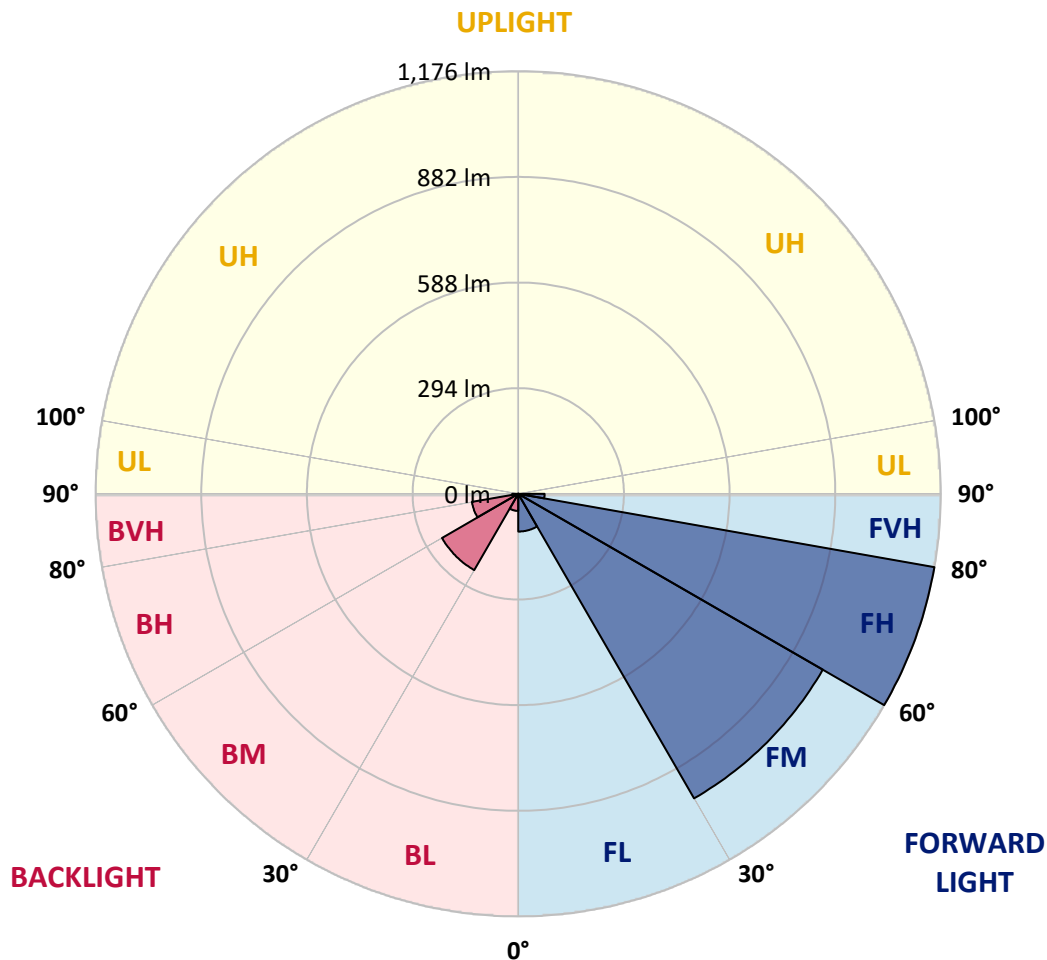
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.0	3.8			
FM (30°-60°)	978.8	35.3			
FH (60°-80°)	1176.3	42.4			G1/1800
FVH (80°-90°)	73.2	2.6			G1/100
BL (0°-30°)	47.5	1.7	B0/110		
BM (30°-60°)	245.3	8.8	B1/1000		
BH (60°-80°)	131.0	4.7	B1/500		G1/500
BVH (80°-90°)	17.0	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10°	20.0	21.0	17.0	8.0	3.0	1.0	1.0	1.0	2.0	2.0	3.0
12.5°	159.0	161.0	158.0	64.0	30.0	6.0	4.0	7.0	11.0	17.0	67.0
15°	158.0	158.0	161.0	166.0	166.0	35.0	70.0	91.0	127.0	165.0	163.0
17.5°	167.0	166.0	162.0	160.0	171.0	195.0	148.0	178.0	181.0	187.0	183.0
20°	243.0	243.0	243.0	231.0	173.0	240.0	250.0	202.0	204.0	285.0	277.0
22.5°	266.0	265.0	257.0	251.0	261.0	238.0	302.0	347.0	342.0	387.9	364.0
25°	378.9	368.0	349.0	277.0	289.0	279.0	373.0	427.9	386.9	421.9	456.9
27.5°	441.9	433.9	416.9	376.9	308.0	338.0	381.9	449.9	525.9	602.9	541.9
30°	591.9	583.9	499.9	437.9	381.9	348.0	444.9	533.9	618.9	631.9	564.9
32.5°	613.9	614.9	618.9	559.9	448.9	384.9	473.9	551.9	661.9	793.9	701.9
35°	627.9	626.9	626.9	580.9	534.9	454.9	487.9	620.9	760.9	841.9	694.9
37.5°	669.9	666.9	661.9	591.9	565.9	504.9	531.9	638.9	815.9	916.9	687.9
40°	720.9	723.9	710.9	621.9	586.9	542.9	566.9	646.9	880.9	977.9	684.9
42.5°	792.9	788.9	766.9	671.9	617.9	559.9	604.9	667.9	928.9	1059.9	690.9
45°	873.9	863.9	832.9	740.9	663.9	569.9	629.9	705.9	971.9	1152.8	711.9
47.5°	957.9	944.9	900.9	796.9	711.9	588.9	661.9	754.9	1020.9	1270.8	750.9
50°	1037.9	1028.9	972.9	855.9	761.9	623.9	722.9	828.9	1087.9	1388.8	816.9
52.5°	1117.9	1102.9	1033.9	915.9	809.9	667.9	822.9	937.9	1177.8	1507.8	888.9
55°	1203.8	1183.8	1094.9	974.9	849.9	726.9	919.9	1050.9	1284.8	1650.8	977.9
57.5°	1346.8	1332.8	1205.8	1062.9	906.9	798.9	1024.9	1163.8	1399.8	1781.8	1066.9
60°	1508.8	1483.8	1358.8	1215.8	1025.9	910.9	1140.8	1289.8	1509.8	1907.7	1165.8
62.5°	1502.8	1477.8	1389.8	1307.8	1178.8	1097.9	1299.8	1419.8	1603.8	2026.7	1253.8
65°	1193.8	1197.8	1194.8	1208.8	1221.8	1360.8	1588.8	1610.8	1751.8	2137.7	1337.8
67.5°	649.9	643.9	717.9	862.9	1063.9	1527.8	2056.7	1918.7	1934.7	2241.7	1395.8
70°	310.0	310.0	353.0	479.9	762.9	1424.8	2468.7	2308.7	2131.7	2286.7	1388.8
72.5°	221.0	218.0	241.0	273.0	398.9	1123.8	2554.7	2547.7	2240.7	2221.7	1296.8
75°	179.0	181.0	190.0	207.0	189.0	660.9	2274.7	2402.7	2138.7	2016.7	1146.8
77.5°	145.0	145.0	156.0	164.0	121.0	321.0	1765.8	1931.7	1695.8	1644.8	842.9
80°	108.0	108.0	114.0	131.0	89.0	136.0	1249.8	1300.8	1118.9	1014.9	413.9
82.5°	66.0	62.0	70.0	92.0	64.0	78.0	784.9	707.9	561.9	315.0	123.0
85°	12.0	14.0	20.0	32.0	24.0	29.0	182.0	133.0	112.0	54.0	28.0
87.5°	0.0	0.0	0.0	1.0	2.0	3.0	4.0	5.0	5.0	4.0	3.0
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
7.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
10°	3.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
12.5°	70.0	72.0	18.0	10.0	3.0	1.0	0.0	1.0	2.0	4.0	5.0
15°	158.0	149.0	115.0	59.0	34.0	4.0	2.0	17.0	46.0	50.0	53.0
17.5°	174.0	162.0	120.0	84.0	66.0	32.0	40.0	64.0	72.0	76.0	76.0
20°	258.0	227.0	147.0	98.0	78.0	85.0	70.0	76.0	84.0	91.0	95.0
22.5°	331.0	277.0	170.0	140.0	106.0	109.0	96.0	110.0	135.0	145.0	146.0
25°	398.9	309.0	179.0	156.0	152.0	124.0	136.0	137.0	149.0	155.0	156.0
27.5°	450.9	325.0	214.0	180.0	168.0	152.0	155.0	153.0	190.0	202.0	204.0
30°	456.9	312.0	224.0	204.0	185.0	176.0	167.0	198.0	213.0	218.0	218.0
32.5°	506.9	322.0	246.0	220.0	203.0	184.0	200.0	210.0	227.0	258.0	259.0
35°	453.9	287.0	255.0	239.0	216.0	200.0	209.0	236.0	269.0	276.0	275.0
37.5°	399.9	261.0	243.0	238.0	224.0	210.0	220.0	246.0	264.0	258.0	258.0
40°	356.0	243.0	234.0	230.0	223.0	205.0	225.0	235.0	255.0	249.0	248.0
42.5°	325.0	230.0	225.0	220.0	215.0	198.0	211.0	233.0	251.0	244.0	242.0
45°	315.0	222.0	219.0	212.0	203.0	188.0	202.0	230.0	247.0	240.0	238.0
47.5°	327.0	215.0	211.0	202.0	190.0	175.0	197.0	225.0	238.0	226.0	225.0
50°	362.0	212.0	203.0	191.0	179.0	171.0	190.0	213.0	224.0	213.0	213.0
52.5°	410.9	213.0	195.0	181.0	167.0	162.0	182.0	205.0	214.0	203.0	202.0
55°	463.9	216.0	185.0	171.0	152.0	155.0	178.0	201.0	204.0	192.0	191.0
57.5°	523.9	219.0	175.0	164.0	144.0	147.0	170.0	193.0	192.0	176.0	176.0
60°	584.9	222.0	165.0	155.0	136.0	137.0	160.0	183.0	177.0	161.0	160.0
62.5°	635.9	219.0	153.0	145.0	128.0	125.0	148.0	171.0	166.0	149.0	149.0
65°	679.9	207.0	143.0	135.0	120.0	115.0	136.0	156.0	152.0	136.0	137.0
67.5°	697.9	188.0	133.0	125.0	111.0	104.0	122.0	138.0	137.0	124.0	125.0
70°	670.9	162.0	122.0	115.0	101.0	92.0	108.0	122.0	122.0	113.0	113.0
72.5°	612.9	143.0	110.0	104.0	89.0	82.0	95.0	106.0	108.0	102.0	103.0
75°	547.9	125.0	96.0	93.0	79.0	70.0	81.0	92.0	94.0	91.0	91.0
77.5°	412.9	97.0	81.0	81.0	69.0	60.0	69.0	79.0	81.0	80.0	79.0
80°	209.0	69.0	65.0	69.0	57.0	50.0	57.0	66.0	69.0	75.0	75.0
82.5°	71.0	45.0	49.0	56.0	46.0	40.0	44.0	54.0	71.0	61.0	60.0
85°	20.0	20.0	26.0	30.0	31.0	27.0	31.0	51.0	41.0	35.0	34.0
87.5°	2.0	3.0	4.0	6.0	5.0	6.0	8.0	10.0	7.0	5.0	4.0
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)