

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: P694635

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)  
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-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2908 lumens  
Efficiency: N/A  
Efficacy: 133.4 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

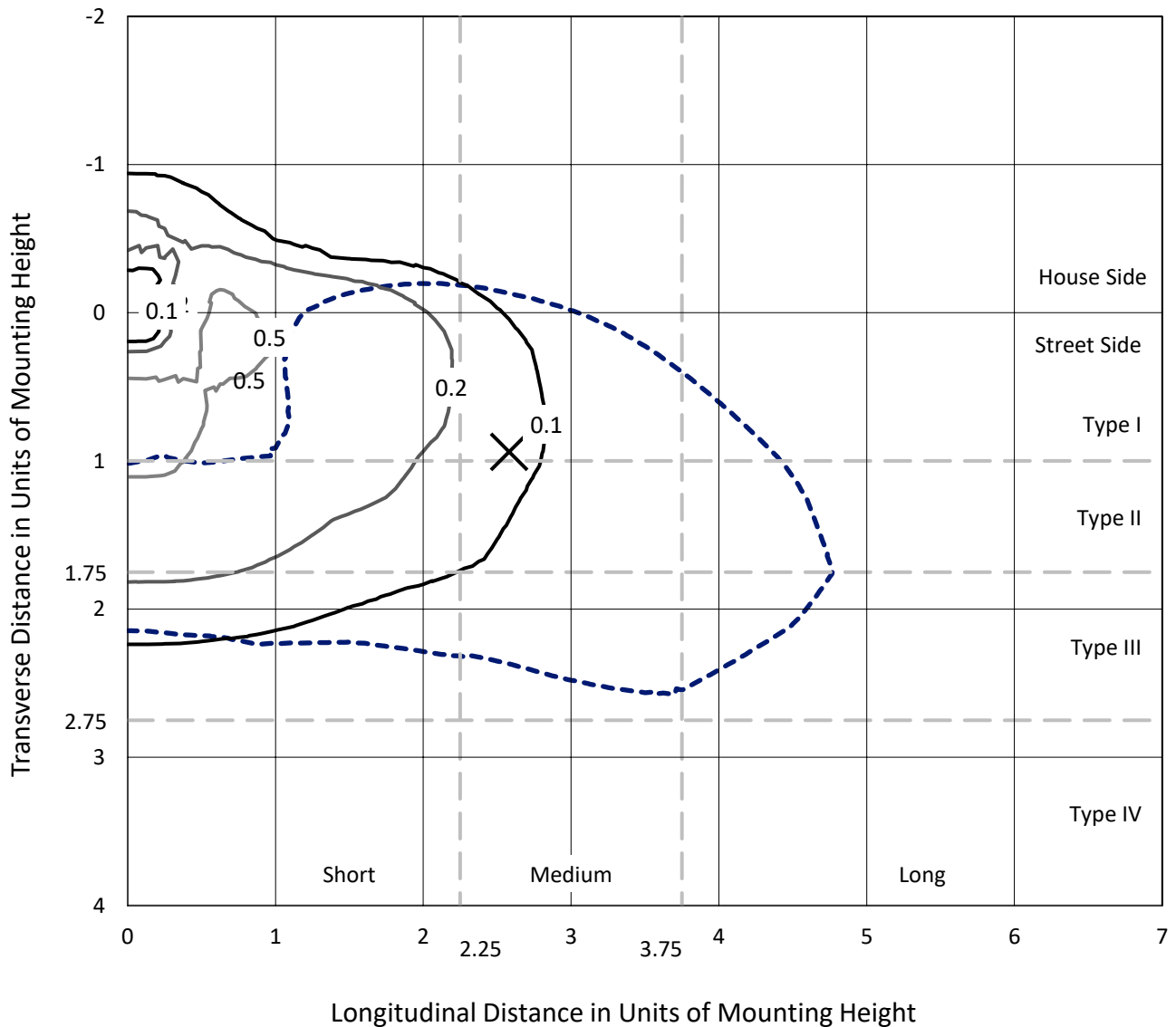
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

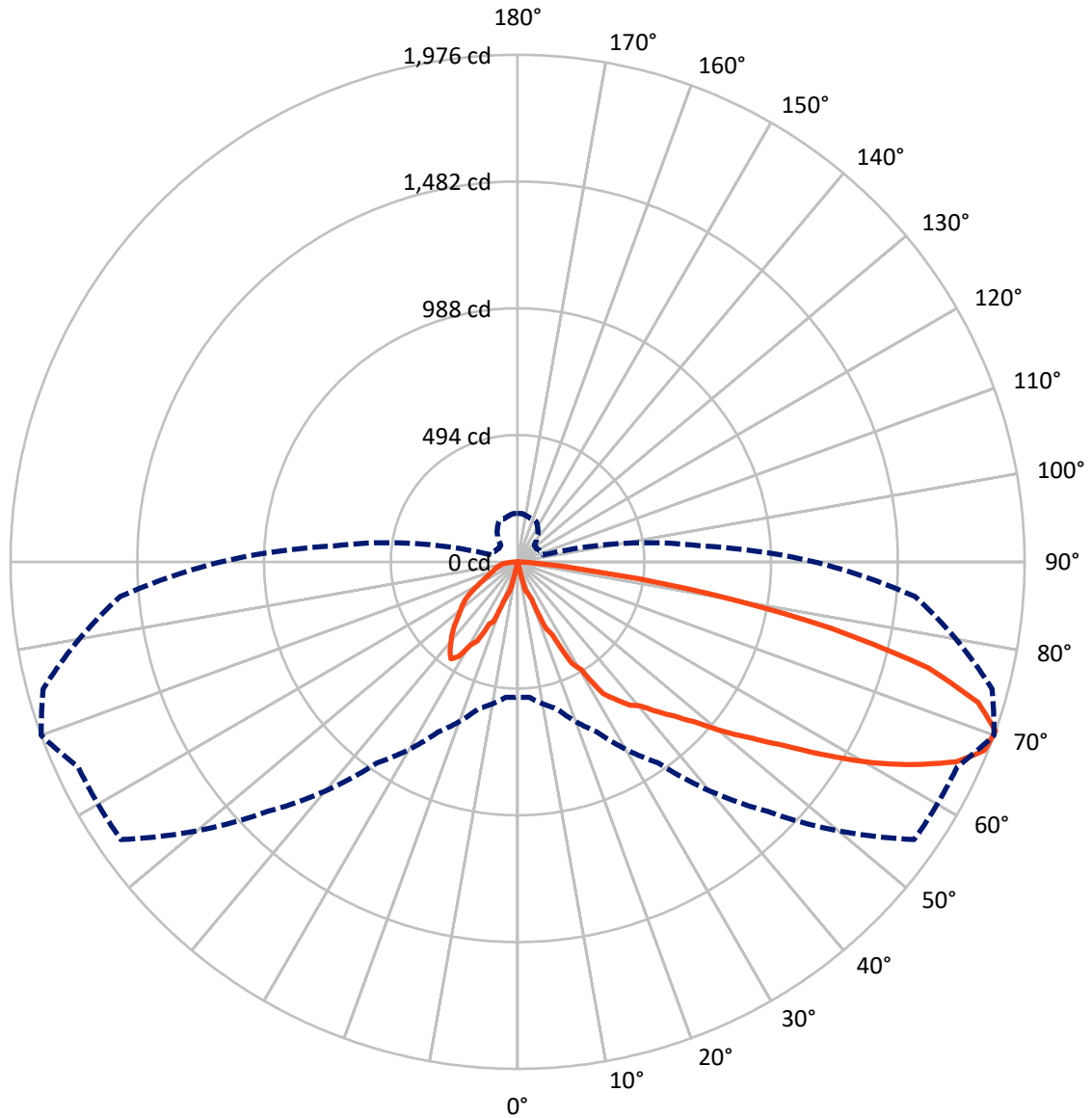
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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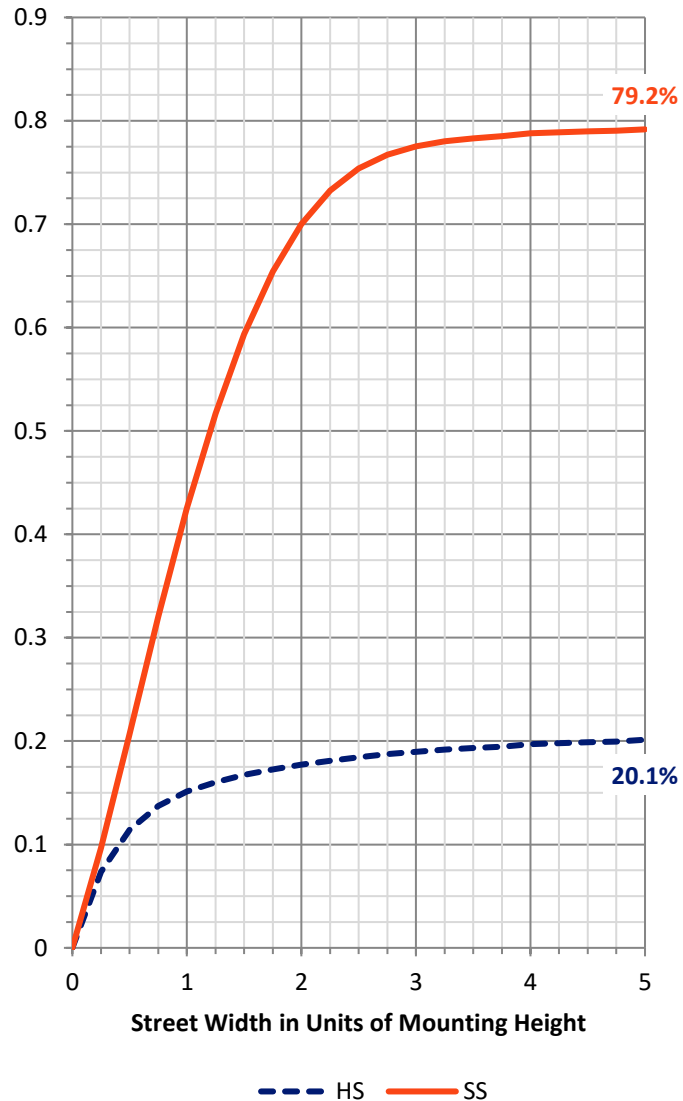
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	599.3	0.0	599.3
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	2308.7	0.0	2308.7
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	2908.0	0.0	2908.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	24.6	0.8
20°-30°	139.1	4.8
30°-40°	309.4	10.6
40°-50°	442.5	15.2
50°-60°	643.0	22.1
60°-70°	807.0	27.8
70°-80°	479.3	16.5
80°-90°	63.0	2.2
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°	2908.0	100.0
0°-180°	2908.0	100.0

**Coefficient of Utilization**

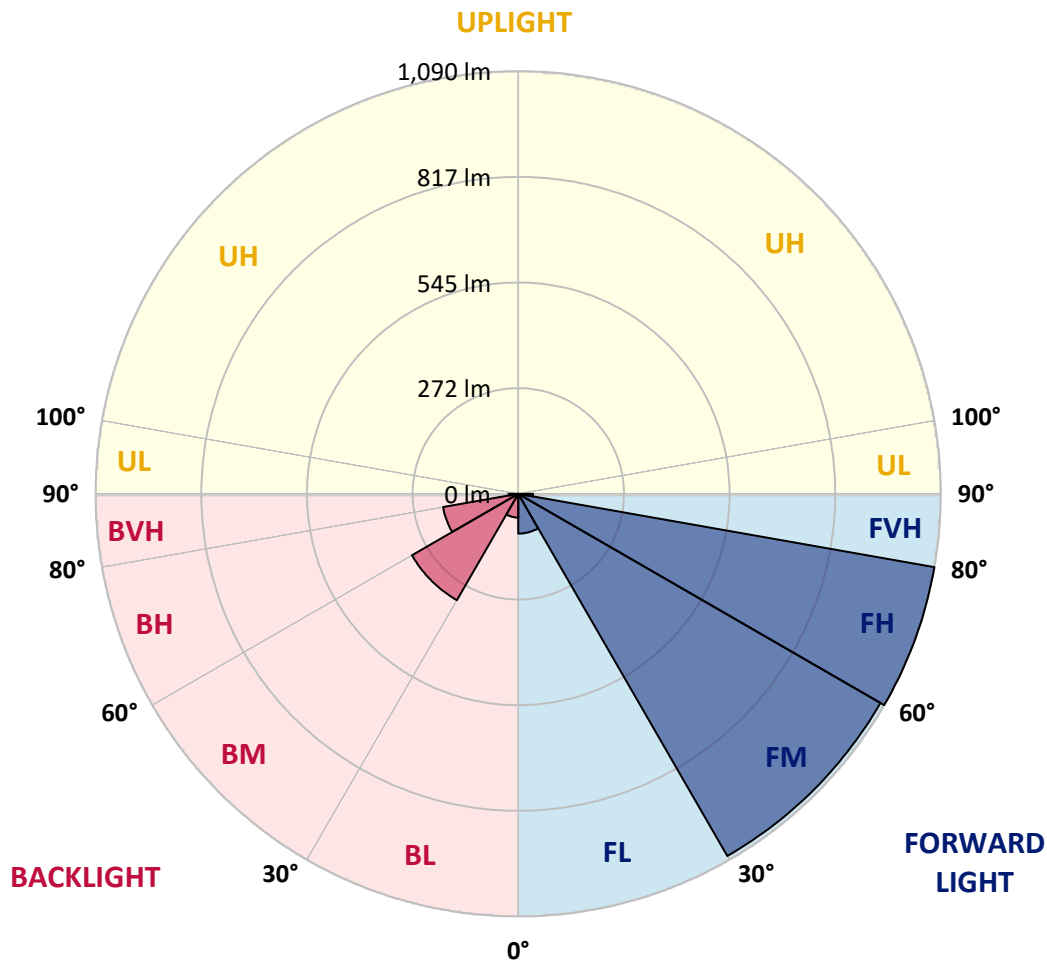


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.6	3.5			
FM (30°-60°)	1078.3	37.1			
FH (60°-80°)	1089.6	37.5			G1/1800
FVH (80°-90°)	38.2	1.3			G1/100
BL (0°-30°)	61.2	2.1	B0/110		
BM (30°-60°)	316.6	10.9	B1/1000		
BH (60°-80°)	196.7	6.8	B1/500		G1/500
BVH (80°-90°)	24.7	0.9			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°	65°	70°	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	1.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10°	13.0	14.0	9.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
12.5°	116.0	116.0	115.0	74.0	23.0	5.0	2.0	6.0	11.0	12.0	18.0
15°	129.0	129.0	129.0	127.0	121.0	42.0	19.0	106.0	116.0	119.0	119.0
17.5°	170.0	173.0	157.0	141.0	134.0	117.0	113.0	127.0	129.0	131.0	132.0
20°	289.0	289.0	289.0	258.0	159.0	205.0	188.0	145.0	152.0	182.0	251.0
22.5°	322.0	321.0	314.0	304.0	326.0	228.0	214.0	253.0	279.0	288.0	284.0
25°	493.0	492.0	466.0	344.0	359.0	308.0	322.0	321.0	315.0	318.0	314.0
27.5°	535.0	533.0	531.0	484.0	397.0	416.0	374.0	418.0	446.0	467.0	454.0
30°	752.0	709.0	623.0	549.0	507.0	446.0	481.0	507.0	488.0	497.0	476.0
32.5°	795.0	799.0	795.0	692.0	564.0	508.0	540.0	538.0	613.0	639.0	632.0
35°	838.0	835.0	829.0	737.0	656.0	586.0	569.0	659.0	659.0	674.0	653.0
37.5°	872.0	871.0	863.0	762.0	702.0	614.0	644.0	707.0	708.0	723.0	677.0
40°	900.9	901.9	898.9	789.0	739.0	644.0	679.0	754.0	738.0	760.0	717.0
42.5°	925.9	928.9	933.9	829.0	771.0	674.0	712.0	788.0	798.0	824.0	775.0
45°	971.9	977.9	984.9	891.9	814.0	714.0	757.0	856.0	858.0	896.9	855.0
47.5°	1029.9	1033.9	1048.9	959.9	878.0	772.0	803.0	905.9	934.9	983.9	950.9
50°	1079.9	1087.9	1107.9	1042.9	965.9	857.0	868.0	979.9	1037.9	1081.9	1051.9
52.5°	1117.9	1124.9	1154.9	1112.9	1058.9	947.9	949.9	1082.9	1141.9	1202.9	1184.9
55°	1148.9	1156.9	1184.9	1178.9	1143.9	1022.9	1062.9	1181.9	1264.9	1336.9	1316.9
57.5°	1153.9	1152.9	1205.9	1223.9	1202.9	1121.9	1205.9	1289.9	1422.9	1479.9	1480.9
60°	1130.9	1135.9	1198.9	1253.9	1255.9	1223.9	1361.9	1433.9	1589.9	1627.9	1639.9
62.5°	1081.9	1092.9	1162.9	1253.9	1298.9	1325.9	1513.9	1595.9	1739.9	1759.9	1746.9
65°	988.9	992.9	1061.9	1195.9	1302.9	1418.9	1670.9	1736.9	1878.9	1858.9	1770.9
67.5°	799.0	811.0	875.0	1029.9	1207.9	1459.9	1813.9	1842.9	1961.9	1919.9	1711.9
70°	527.0	530.0	593.0	731.0	956.9	1374.9	1886.9	1889.9	1975.9	1913.9	1554.9
72.5°	229.0	211.0	271.0	382.0	587.0	1071.9	1797.9	1840.9	1876.9	1800.9	1287.9
75°	99.0	101.0	117.0	158.0	272.0	606.0	1495.9	1604.9	1653.9	1533.9	938.9
77.5°	74.0	74.0	85.0	96.0	127.0	229.0	974.9	1194.9	1252.9	1110.9	584.0
80°	54.0	56.0	64.0	70.0	82.0	93.0	486.0	724.0	761.0	579.0	257.0
82.5°	41.0	41.0	46.0	50.0	56.0	56.0	165.0	311.0	282.0	197.0	89.0
85°	18.0	15.0	24.0	23.0	25.0	20.0	44.0	57.0	57.0	45.0	20.0
87.5°	0.0	1.0	1.0	1.0	2.0	2.0	4.0	3.0	4.0	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	1.0	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	1.0	1.0	1.0	1.0
10°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
12.5°	16.0	19.0	12.0	6.0	1.0	0.0	0.0	1.0	1.0	2.0	2.0
15°	121.0	120.0	120.0	110.0	19.0	3.0	2.0	10.0	34.0	72.0	71.0
17.5°	132.0	132.0	132.0	127.0	115.0	32.0	32.0	106.0	115.0	116.0	117.0
20°	250.0	247.0	191.0	137.0	121.0	115.0	105.0	116.0	118.0	119.0	121.0
22.5°	281.0	278.0	265.0	238.0	136.0	167.0	151.0	124.0	185.0	194.0	196.0
25°	312.0	304.0	284.0	249.0	228.0	169.0	177.0	177.0	185.0	184.0	185.0
27.5°	445.0	436.0	409.0	283.0	247.0	198.0	196.0	173.0	186.0	212.0	214.0
30°	466.0	455.0	418.0	326.0	260.0	216.0	183.0	206.0	216.0	213.0	214.0
32.5°	615.0	602.0	543.0	328.0	262.0	199.0	203.0	206.0	210.0	229.0	231.0
35°	634.0	622.0	542.0	376.0	242.0	198.0	196.0	210.0	233.0	236.0	237.0
37.5°	661.0	649.0	531.0	343.0	241.0	196.0	191.0	207.0	215.0	212.0	210.0
40°	700.0	682.0	510.0	307.0	219.0	186.0	186.0	190.0	196.0	185.0	182.0
42.5°	758.0	721.0	487.0	275.0	201.0	173.0	173.0	174.0	170.0	160.0	160.0
45°	821.0	754.0	457.0	246.0	183.0	159.0	160.0	153.0	157.0	149.0	149.0
47.5°	894.9	794.0	420.0	218.0	167.0	146.0	144.0	145.0	150.0	144.0	144.0
50°	979.9	842.0	392.0	193.0	153.0	133.0	138.0	141.0	147.0	142.0	141.0
52.5°	1080.9	892.9	370.0	173.0	141.0	122.0	134.0	138.0	145.0	142.0	141.0
55°	1198.9	956.9	335.0	157.0	130.0	116.0	131.0	138.0	146.0	144.0	143.0
57.5°	1308.9	1011.9	286.0	141.0	122.0	112.0	130.0	138.0	148.0	146.0	145.0
60°	1407.9	1063.9	226.0	129.0	115.0	107.0	127.0	138.0	149.0	150.0	149.0
62.5°	1457.9	1066.9	183.0	120.0	108.0	102.0	124.0	137.0	148.0	154.0	154.0
65°	1433.9	1006.9	146.0	111.0	102.0	96.0	121.0	140.0	157.0	167.0	167.0
67.5°	1335.9	886.0	121.0	104.0	95.0	91.0	125.0	158.0	174.0	184.0	184.0
70°	1156.9	716.0	104.0	98.0	90.0	93.0	139.0	173.0	178.0	189.0	188.0
72.5°	917.9	535.0	93.0	92.0	87.0	98.0	148.0	167.0	167.0	171.0	167.0
75°	646.0	340.0	84.0	86.0	80.0	90.0	140.0	156.0	149.0	147.0	146.0
77.5°	368.0	184.0	74.0	78.0	72.0	78.0	122.0	139.0	132.0	127.0	125.0
80°	158.0	94.0	64.0	70.0	63.0	66.0	102.0	120.0	115.0	109.0	107.0
82.5°	63.0	49.0	54.0	62.0	53.0	56.0	87.0	102.0	98.0	92.0	86.0
85°	18.0	19.0	33.0	44.0	40.0	44.0	70.0	81.0	75.0	59.0	57.0
87.5°	2.0	3.0	7.0	9.0	10.0	8.0	16.0	22.0	20.0	15.0	12.0
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)