

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: P694640

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
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-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2922 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

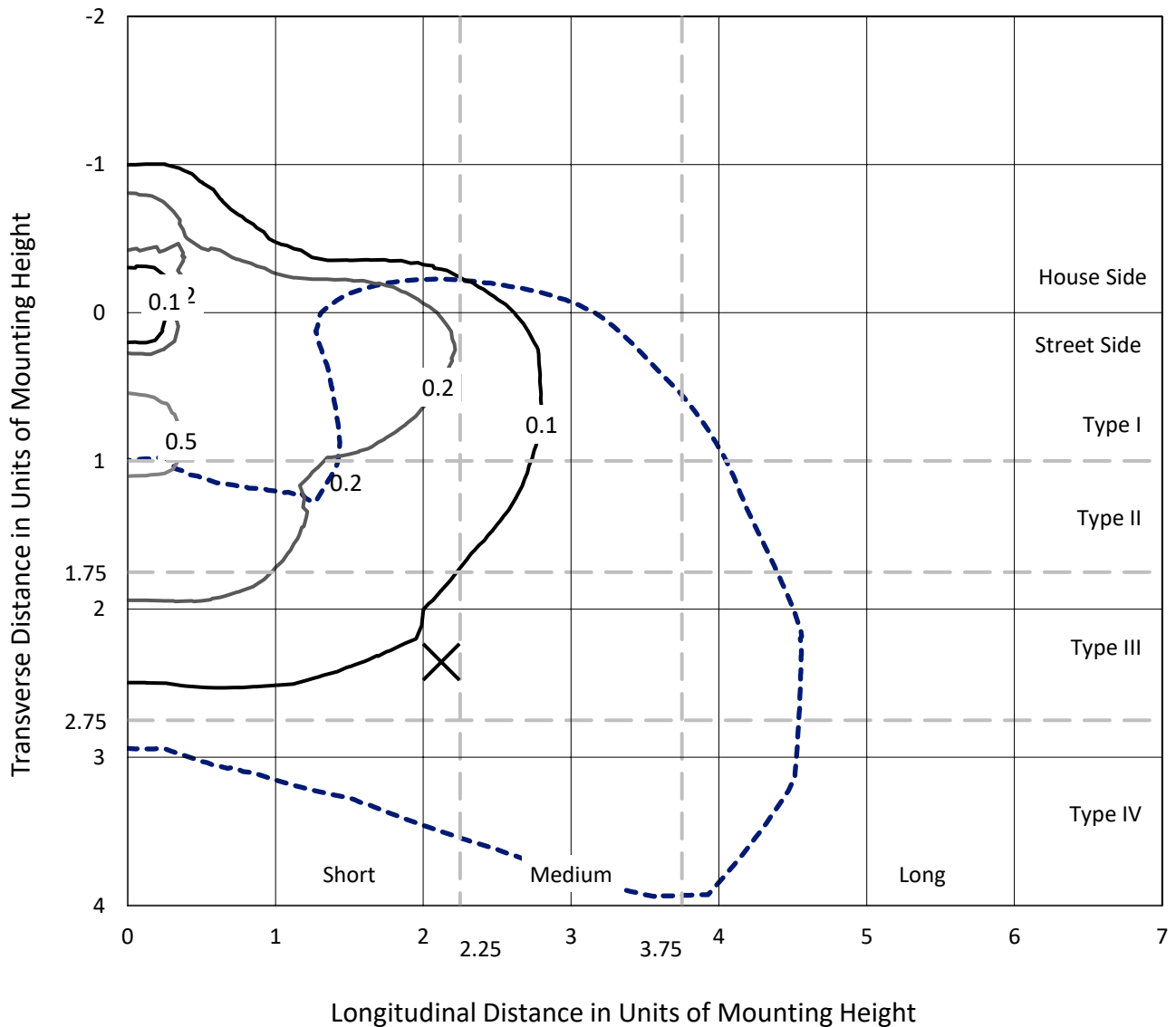
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

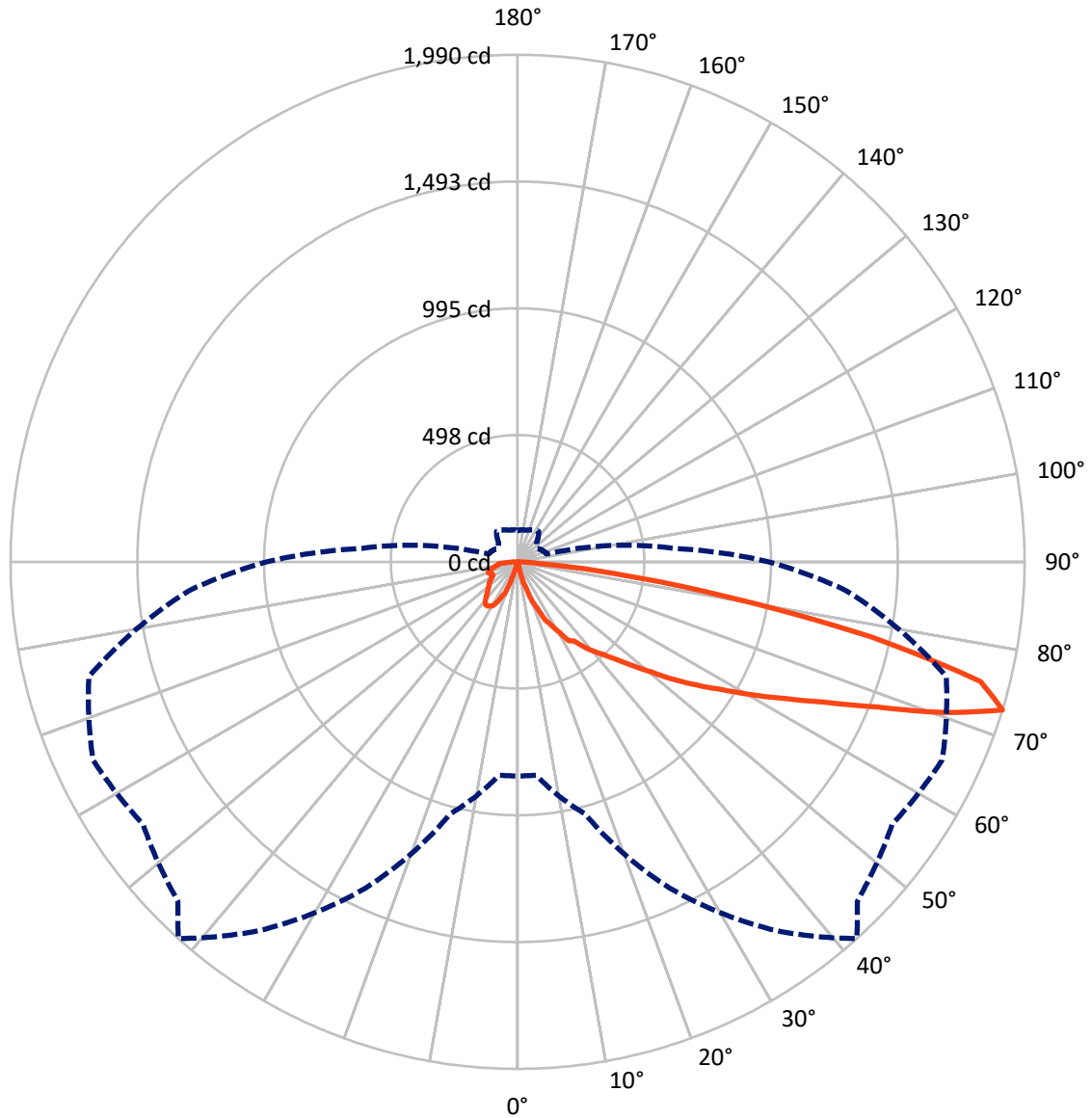
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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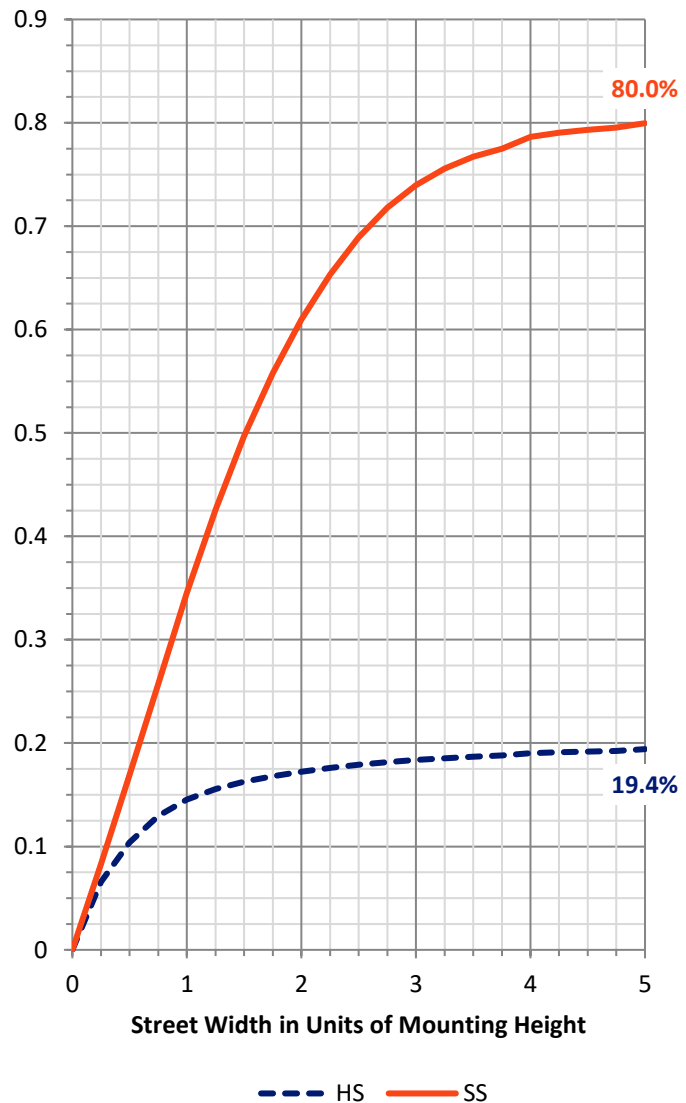
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.6	0.0	582.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2339.4	0.0	2339.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	2922.0	0.0	2922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.7	0.7
20°-30°	111.0	3.8
30°-40°	251.3	8.6
40°-50°	371.8	12.7
50°-60°	571.5	19.6
60°-70°	838.7	28.7
70°-80°	670.6	22.9
80°-90°	86.3	3.0
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°	2922.0	100.0
0°-180°	2922.0	100.0

Coefficient of Utilization



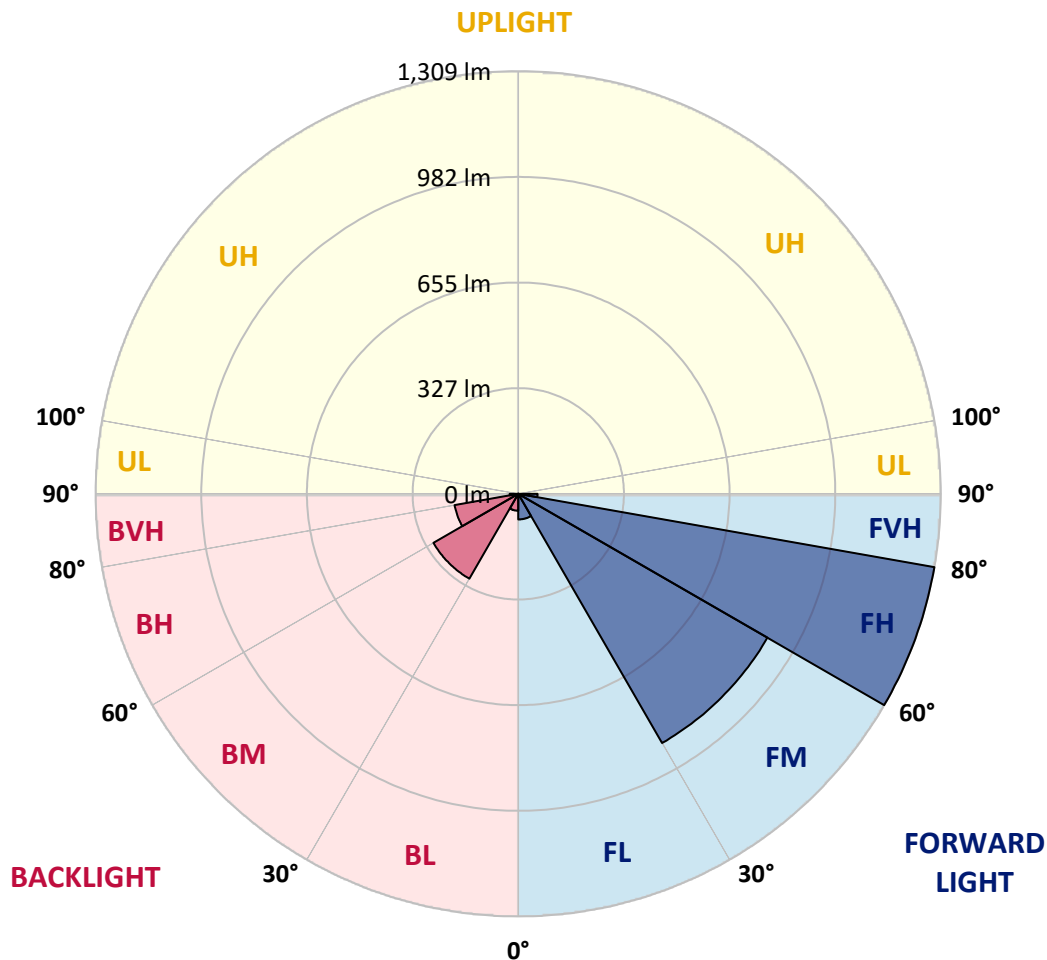
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.4	2.7			
FM	(30°-60°)	891.3	30.5			
FH	(60°-80°)	1309.1	44.8			G1/1800
FVH	(80°-90°)	59.6	2.0			G1/100
BL	(0°-30°)	52.4	1.8	B0/110		
BM	(30°-60°)	303.4	10.4	B1/1000		
BH	(60°-80°)	200.1	6.8	B1/500		G1/500
BVH	(80°-90°)	26.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	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	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°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10°	25.0	23.0	20.0	8.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0
12.5°	107.0	107.0	104.0	96.0	22.0	12.0	6.0	2.0	7.0	15.0	19.0
15°	122.0	122.0	118.0	112.0	102.0	85.0	42.0	19.0	83.0	91.0	89.0
17.5°	218.0	201.0	147.0	127.0	114.0	104.0	103.0	95.0	104.0	102.0	100.0
20°	253.0	252.0	243.0	228.0	136.0	166.0	168.0	157.0	120.0	148.0	186.0
22.5°	274.0	270.0	254.0	237.0	250.0	199.0	184.0	173.0	200.0	222.0	217.0
25°	370.1	368.1	355.0	256.0	265.0	253.0	243.0	247.0	254.0	244.0	247.0
27.5°	394.1	389.1	372.1	334.0	289.0	281.0	301.0	270.0	299.0	359.0	352.0
30°	571.1	564.1	475.1	369.1	346.0	320.0	315.0	337.0	363.1	373.1	370.1
32.5°	649.1	641.1	609.1	484.1	373.1	370.1	352.0	366.1	373.1	461.1	490.1
35°	744.1	736.1	695.1	550.1	450.1	381.1	385.1	371.1	440.1	472.1	506.1
37.5°	810.1	802.1	778.1	607.1	501.1	425.1	401.1	414.1	448.1	491.1	525.1
40°	872.1	867.1	852.1	679.1	556.1	462.1	429.1	432.1	465.1	520.1	550.1
42.5°	936.1	933.1	925.1	747.1	606.1	499.1	464.1	454.1	502.1	547.1	587.1
45°	993.1	1000.1	996.1	818.1	660.1	548.1	508.1	489.1	547.1	590.1	645.1
47.5°	1022.1	1022.1	1044.1	890.1	718.1	609.1	562.1	538.1	606.1	659.1	727.1
50°	1063.1	1067.1	1069.1	964.1	797.1	679.1	622.1	598.1	667.1	758.1	862.1
52.5°	1171.2	1208.2	1122.2	1036.1	896.1	768.1	687.1	661.1	747.1	880.1	1035.1
55°	1209.2	1217.2	1193.2	1133.2	980.1	854.1	759.1	736.1	871.1	1022.1	1226.2
57.5°	1242.2	1232.2	1263.2	1238.2	1090.2	946.1	846.1	833.1	1004.1	1179.2	1419.2
60°	1274.2	1278.2	1322.2	1359.2	1191.2	1060.1	942.1	973.1	1139.2	1343.2	1602.2
62.5°	1302.2	1312.2	1389.2	1430.2	1280.2	1181.2	1069.1	1153.2	1290.2	1505.2	1752.2
65°	1278.2	1292.2	1450.2	1476.2	1401.2	1328.2	1215.2	1333.2	1475.2	1644.2	1847.3
67.5°	1242.2	1255.2	1440.2	1552.2	1540.2	1519.2	1394.2	1505.2	1668.2	1785.2	1842.3
70°	1131.2	1147.2	1338.2	1579.2	1715.2	1771.2	1636.2	1664.2	1814.3	1840.3	1655.2
72.5°	840.1	841.1	1025.1	1413.2	1767.2	1990.3	1885.3	1795.2	1839.3	1742.2	1294.2
75°	398.1	393.1	528.1	898.1	1479.2	1877.3	1878.3	1759.2	1660.2	1428.2	833.1
77.5°	117.0	119.0	167.0	371.1	948.1	1419.2	1509.2	1442.2	1265.2	800.1	366.1
80°	59.0	64.0	83.0	129.0	413.1	828.1	943.1	931.1	718.1	267.0	126.0
82.5°	29.0	30.0	45.0	70.0	180.0	385.1	493.1	432.1	229.0	128.0	64.0
85°	8.0	7.0	13.0	24.0	56.0	82.0	99.0	81.0	69.0	54.0	26.0
87.5°	0.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	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	1.0	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.0	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	0.0	1.0	1.0	1.0	1.0
10°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
12.5°	19.0	17.0	13.0	7.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0
15°	87.0	86.0	85.0	78.0	17.0	3.0	2.0	9.0	31.0	47.0	57.0
17.5°	99.0	98.0	97.0	95.0	88.0	22.0	29.0	79.0	95.0	96.0	97.0
20°	183.0	179.0	135.0	105.0	97.0	88.0	84.0	97.0	101.0	104.0	105.0
22.5°	213.0	209.0	200.0	186.0	112.0	136.0	127.0	106.0	166.0	179.0	181.0
25°	242.0	237.0	216.0	199.0	190.0	145.0	161.0	171.0	188.0	192.0	194.0
27.5°	347.0	334.0	308.0	221.0	207.0	175.0	188.0	181.0	216.0	252.0	255.0
30°	369.1	356.0	320.0	265.0	219.0	202.0	188.0	236.0	261.0	269.0	273.0
32.5°	492.1	479.1	414.1	267.0	233.0	199.0	220.0	241.0	259.0	313.0	318.0
35°	511.1	495.1	420.1	309.0	225.0	207.0	218.0	250.0	298.0	316.0	319.0
37.5°	532.1	514.1	414.1	290.0	239.0	208.0	213.0	246.0	274.0	282.0	286.0
40°	564.1	537.1	404.1	269.0	225.0	196.0	207.0	226.0	242.0	239.0	242.0
42.5°	607.1	565.1	388.1	245.0	208.0	180.0	192.0	204.0	214.0	205.0	203.0
45°	661.1	605.1	370.1	224.0	190.0	166.0	177.0	187.0	194.0	178.0	176.0
47.5°	739.1	651.1	348.0	202.0	175.0	155.0	165.0	172.0	176.0	161.0	158.0
50°	845.1	712.1	323.0	184.0	162.0	145.0	157.0	161.0	158.0	147.0	145.0
52.5°	978.1	805.1	298.0	170.0	151.0	138.0	149.0	148.0	145.0	137.0	136.0
55°	1144.2	929.1	277.0	160.0	142.0	131.0	139.0	139.0	138.0	131.0	131.0
57.5°	1318.2	1046.1	252.0	151.0	132.0	121.0	131.0	133.0	132.0	127.0	126.0
60°	1463.2	1142.2	215.0	143.0	121.0	113.0	124.0	128.0	127.0	122.0	121.0
62.5°	1546.2	1157.2	177.0	132.0	112.0	106.0	120.0	126.0	133.0	136.0	136.0
65°	1563.2	1096.2	152.0	124.0	106.0	104.0	124.0	142.0	148.0	152.0	154.0
67.5°	1494.2	969.1	137.0	119.0	102.0	108.0	141.0	151.0	145.0	143.0	143.0
70°	1303.2	804.1	126.0	113.0	97.0	113.0	147.0	144.0	136.0	138.0	137.0
72.5°	986.1	612.1	118.0	107.0	92.0	105.0	145.0	138.0	128.0	126.0	122.0
75°	597.1	359.0	109.0	100.0	80.0	93.0	139.0	132.0	122.0	118.0	115.0
77.5°	231.0	166.0	99.0	92.0	69.0	82.0	129.0	126.0	116.0	108.0	107.0
80°	98.0	88.0	85.0	81.0	59.0	71.0	116.0	117.0	102.0	92.0	89.0
82.5°	55.0	54.0	66.0	66.0	49.0	63.0	105.0	105.0	90.0	84.0	77.0
85°	18.0	21.0	35.0	40.0	36.0	59.0	102.0	97.0	78.0	65.0	62.0
87.5°	2.0	2.0	4.0	8.0	9.0	15.0	29.0	34.0	24.0	20.0	20.0
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)