

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: P694630

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694630
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-PA16-20-750-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3003.1 lumens
Efficiency: N/A
Efficacy: 137.8 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

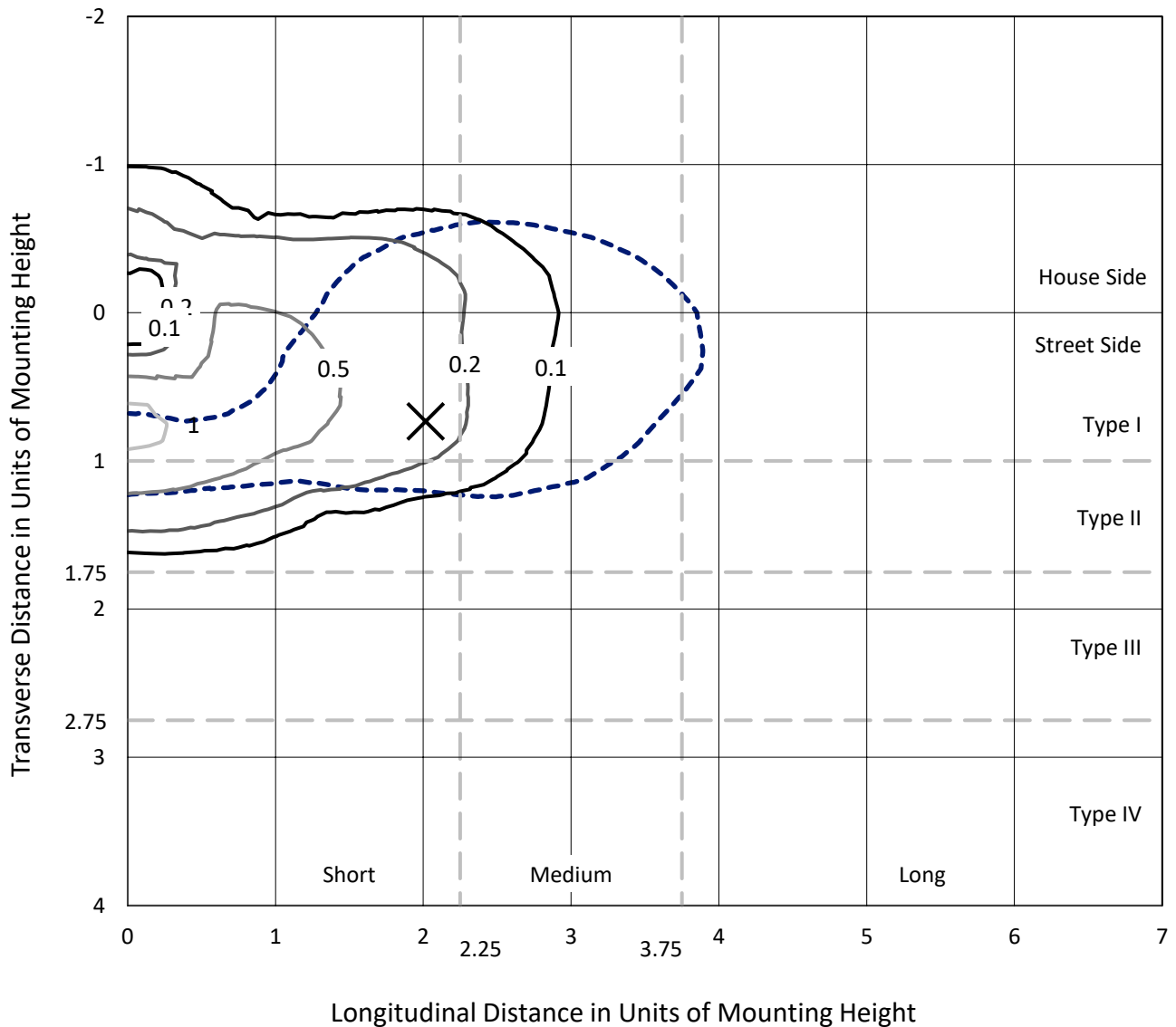
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

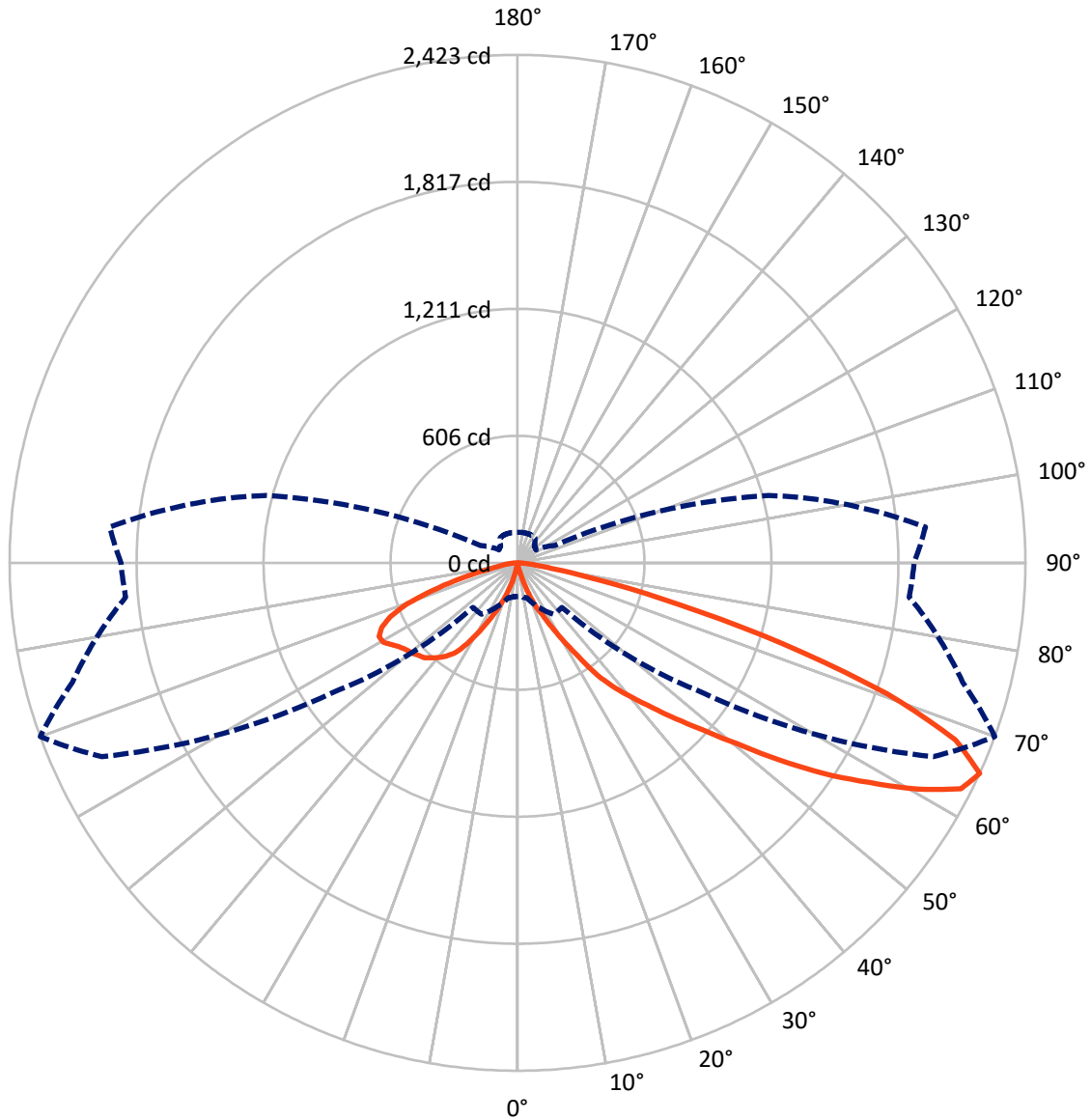
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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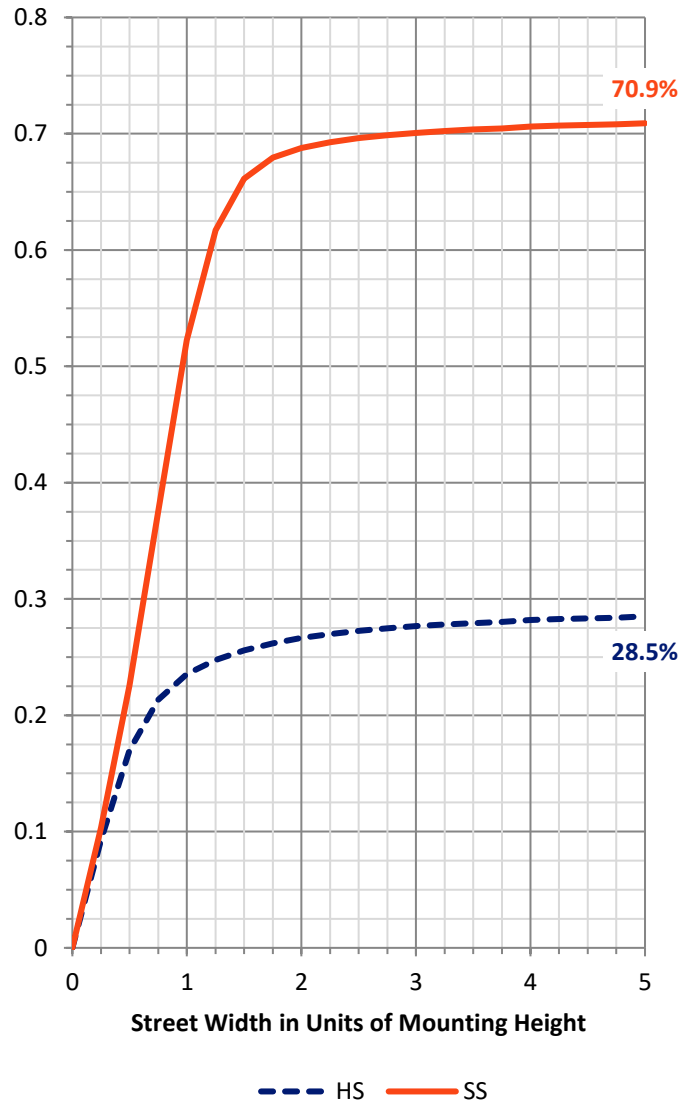
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.6	0.0	867.6
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	2135.5	0.0	2135.5
	% Fixture	71.1	0.0	71.1
Total	Lumens	3003.1	0.0	3003.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	22.0	0.7
20°-30°	138.4	4.6
30°-40°	368.2	12.3
40°-50°	630.2	21.0
50°-60°	771.0	25.7
60°-70°	692.3	23.1
70°-80°	341.0	11.4
80°-90°	39.7	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°	3003.1	100.0
0°-180°	3003.1	100.0

Coefficient of Utilization

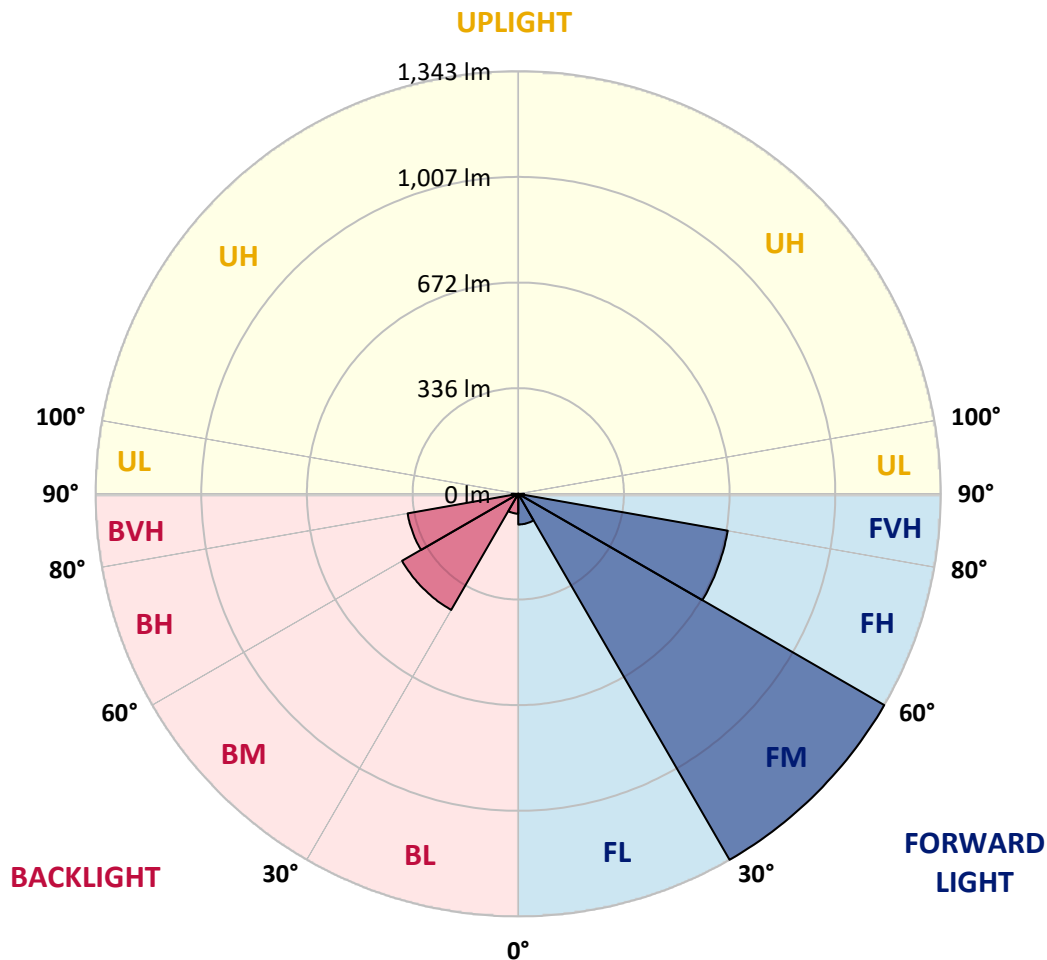


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.5	3.2			
FM (30°-60°)	1343.1	44.7			
FH (60°-80°)	676.2	22.5			G1/1800
FVH (80°-90°)	18.7	0.6			G1/100
BL (0°-30°)	63.1	2.1	B0/110		
BM (30°-60°)	426.3	14.2	B1/1000		
BH (60°-80°)	357.2	11.9	B1/500		G1/500
BVH (80°-90°)	21.0	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°	1.0	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	0.0
5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
7.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
10°	7.0	7.0	6.0	4.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0
12.5°	90.0	91.0	88.0	61.0	12.0	4.0	4.0	12.0	31.0	42.0	47.0
15°	103.0	103.0	101.0	99.0	95.0	21.0	38.0	58.0	61.0	87.0	97.0
17.5°	141.0	134.0	119.0	112.0	108.0	115.0	85.0	108.0	111.0	113.0	120.0
20°	268.0	263.0	254.0	211.0	149.0	164.0	156.0	139.0	167.0	174.0	177.0
22.5°	320.0	315.0	306.0	286.0	262.0	190.0	211.0	193.0	233.0	243.0	241.0
25°	541.9	538.9	458.9	341.9	340.9	298.0	278.0	261.0	272.0	306.0	322.0
27.5°	625.9	624.9	599.9	540.9	396.9	365.9	333.0	354.9	346.9	388.9	401.9
30°	894.9	841.9	747.9	620.9	557.9	445.9	450.9	463.9	430.9	456.9	489.9
32.5°	1102.8	1093.8	1035.8	827.9	642.9	549.9	549.9	554.9	531.9	551.9	588.9
35°	1291.8	1273.8	1183.8	984.9	815.9	667.9	637.9	665.9	659.9	659.9	637.9
37.5°	1411.8	1407.8	1337.8	1133.8	943.9	765.9	741.9	756.9	757.9	760.9	695.9
40°	1525.8	1515.8	1472.8	1268.8	1108.8	889.9	842.9	866.9	845.9	859.9	769.9
42.5°	1584.8	1571.8	1546.8	1408.8	1290.8	1117.8	980.9	965.9	944.9	960.9	858.9
45°	1591.8	1562.8	1569.8	1493.8	1439.8	1315.8	1118.8	1069.8	1061.8	1071.8	961.9
47.5°	1493.8	1464.8	1513.8	1493.8	1525.8	1458.8	1302.8	1209.8	1192.8	1198.8	1068.8
50°	1267.8	1264.8	1333.8	1404.8	1538.8	1557.8	1530.8	1361.8	1352.8	1348.8	1190.8
52.5°	1046.8	1033.8	1094.8	1201.8	1425.8	1553.8	1716.7	1555.8	1559.8	1513.8	1312.8
55°	797.9	812.9	873.9	959.9	1180.8	1472.8	1861.7	1808.7	1775.7	1672.8	1433.8
57.5°	486.9	534.9	632.9	720.9	943.9	1265.8	1877.7	2029.7	1976.7	1833.7	1557.8
60°	284.0	285.0	361.9	511.9	680.9	906.9	1771.7	2221.7	2192.7	2003.7	1683.7
62.5°	199.0	203.0	225.0	352.9	425.9	563.9	1502.8	2304.7	2373.6	2128.7	1809.7
65°	161.0	161.0	173.0	231.0	300.0	300.0	1081.8	2187.7	2422.6	2197.7	1875.7
67.5°	151.0	151.0	157.0	169.0	232.0	198.0	527.9	1891.7	2253.7	2160.7	1884.7
70°	134.0	134.0	146.0	151.0	181.0	152.0	227.0	1421.8	1869.7	1968.7	1823.7
72.5°	113.0	115.0	125.0	143.0	142.0	120.0	154.0	860.9	1324.8	1557.8	1675.7
75°	93.0	95.0	102.0	117.0	131.0	91.0	123.0	424.9	792.9	1040.8	1343.8
77.5°	73.0	72.0	82.0	95.0	107.0	70.0	90.0	185.0	394.9	588.9	803.9
80°	49.0	49.0	59.0	72.0	74.0	66.0	62.0	116.0	165.0	242.0	320.0
82.5°	31.0	32.0	38.0	45.0	51.0	56.0	45.0	71.0	86.0	98.0	92.0
85°	7.0	6.0	10.0	13.0	19.0	20.0	22.0	24.0	30.0	32.0	28.0
87.5°	0.0	0.0	1.0	1.0	1.0	2.0	2.0	4.0	4.0	5.0	5.0
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°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
7.5°	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	3.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	49.0	48.0	45.0	14.0	4.0	1.0	0.0	1.0	2.0	3.0	4.0
15°	98.0	97.0	92.0	62.0	52.0	7.0	3.0	14.0	64.0	89.0	92.0
17.5°	120.0	121.0	116.0	114.0	83.0	53.0	56.0	105.0	110.0	112.0	112.0
20°	177.0	176.0	173.0	155.0	116.0	104.0	134.0	115.0	119.0	123.0	125.0
22.5°	240.0	238.0	234.0	187.0	163.0	166.0	146.0	155.0	208.0	211.0	212.0
25°	315.0	308.0	286.0	244.0	235.0	202.0	215.0	200.0	204.0	205.0	204.0
27.5°	390.9	382.9	332.0	307.0	280.0	212.0	221.0	204.0	229.0	255.0	255.0
30°	470.9	455.9	396.9	373.9	317.0	255.0	216.0	226.0	231.0	230.0	230.0
32.5°	559.9	531.9	454.9	455.9	338.9	254.0	223.0	206.0	217.0	255.0	256.0
35°	606.9	570.9	526.9	508.9	365.9	234.0	198.0	214.0	233.0	235.0	234.0
37.5°	653.9	606.9	556.9	552.9	351.9	213.0	194.0	203.0	211.0	208.0	208.0
40°	716.9	661.9	613.9	554.9	329.0	193.0	186.0	191.0	192.0	189.0	189.0
42.5°	795.9	731.9	682.9	537.9	287.0	180.0	178.0	181.0	183.0	179.0	178.0
45°	888.9	813.9	751.9	517.9	234.0	173.0	174.0	174.0	177.0	173.0	172.0
47.5°	994.9	916.9	800.9	491.9	198.0	167.0	171.0	169.0	171.0	166.0	165.0
50°	1113.8	1025.8	868.9	455.9	179.0	159.0	169.0	163.0	165.0	162.0	162.0
52.5°	1224.8	1148.8	934.9	411.9	164.0	153.0	162.0	162.0	164.0	161.0	160.0
55°	1346.8	1282.8	1012.8	367.9	149.0	148.0	161.0	163.0	162.0	159.0	159.0
57.5°	1472.8	1440.8	1090.8	341.9	136.0	139.0	160.0	164.0	161.0	158.0	157.0
60°	1619.8	1638.8	1167.8	321.0	124.0	130.0	157.0	160.0	158.0	155.0	155.0
62.5°	1774.7	1839.7	1227.8	268.0	116.0	122.0	151.0	155.0	152.0	151.0	151.0
65°	1891.7	1952.7	1240.8	195.0	108.0	114.0	145.0	148.0	147.0	146.0	146.0
67.5°	1940.7	1957.7	1179.8	139.0	100.0	107.0	138.0	142.0	139.0	141.0	140.0
70°	1914.7	1827.7	1011.8	115.0	92.0	98.0	129.0	132.0	130.0	135.0	133.0
72.5°	1706.7	1528.8	754.9	97.0	85.0	89.0	119.0	121.0	120.0	122.0	118.0
75°	1294.8	1085.8	471.9	86.0	77.0	79.0	106.0	110.0	107.0	106.0	102.0
77.5°	746.9	654.9	236.0	78.0	69.0	68.0	93.0	96.0	94.0	88.0	90.0
80°	277.0	229.0	106.0	68.0	60.0	57.0	77.0	80.0	78.0	72.0	72.0
82.5°	80.0	74.0	65.0	56.0	52.0	45.0	62.0	65.0	64.0	61.0	57.0
85°	25.0	26.0	33.0	36.0	38.0	32.0	47.0	47.0	43.0	39.0	32.0
87.5°	3.0	5.0	6.0	10.0	12.0	9.0	12.0	13.0	12.0	8.0	8.0
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)