

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: P694700

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694700
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-PA16-20-827-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2202 lumens
Efficiency: N/A
Efficacy: 101.0 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

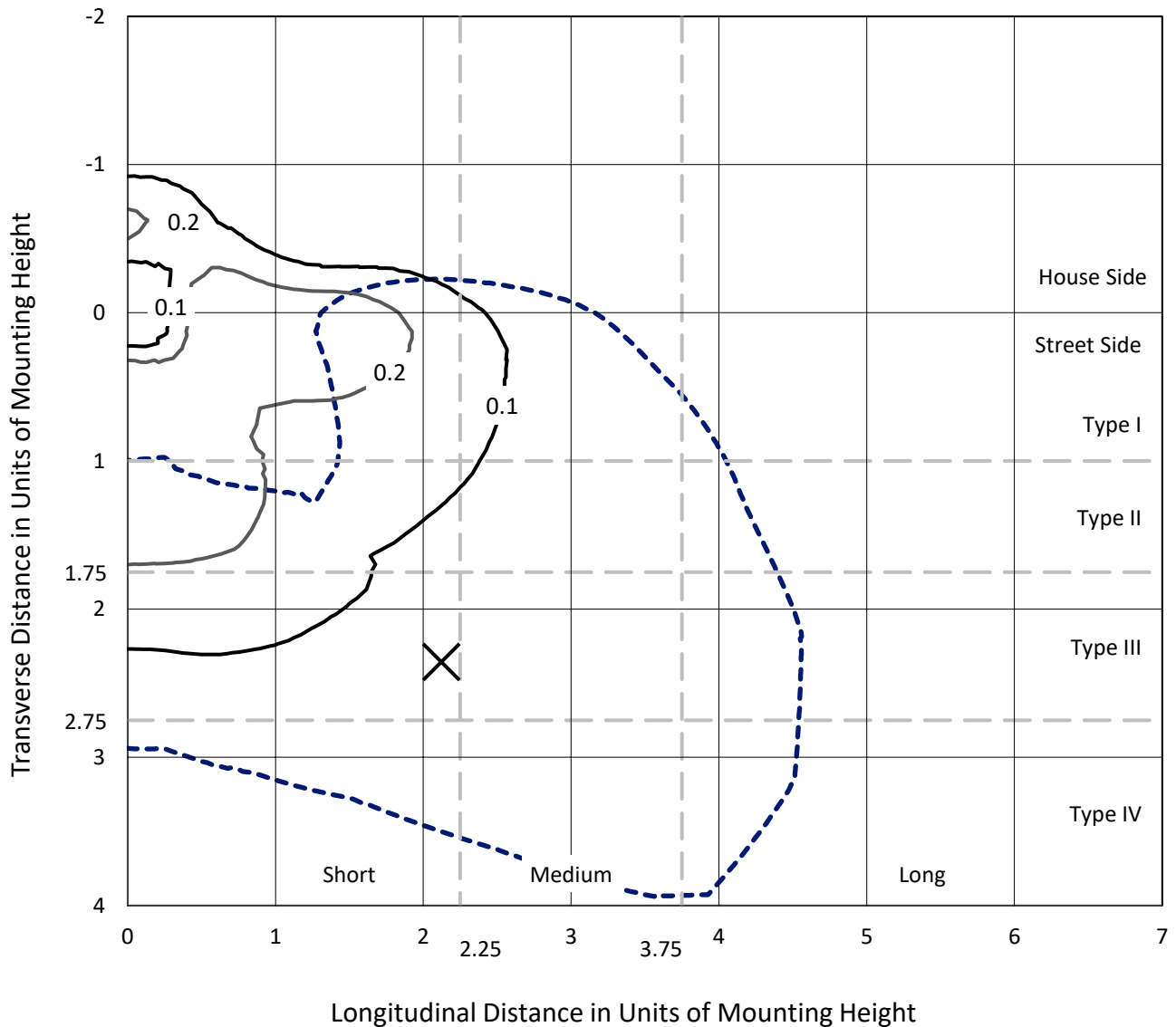
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

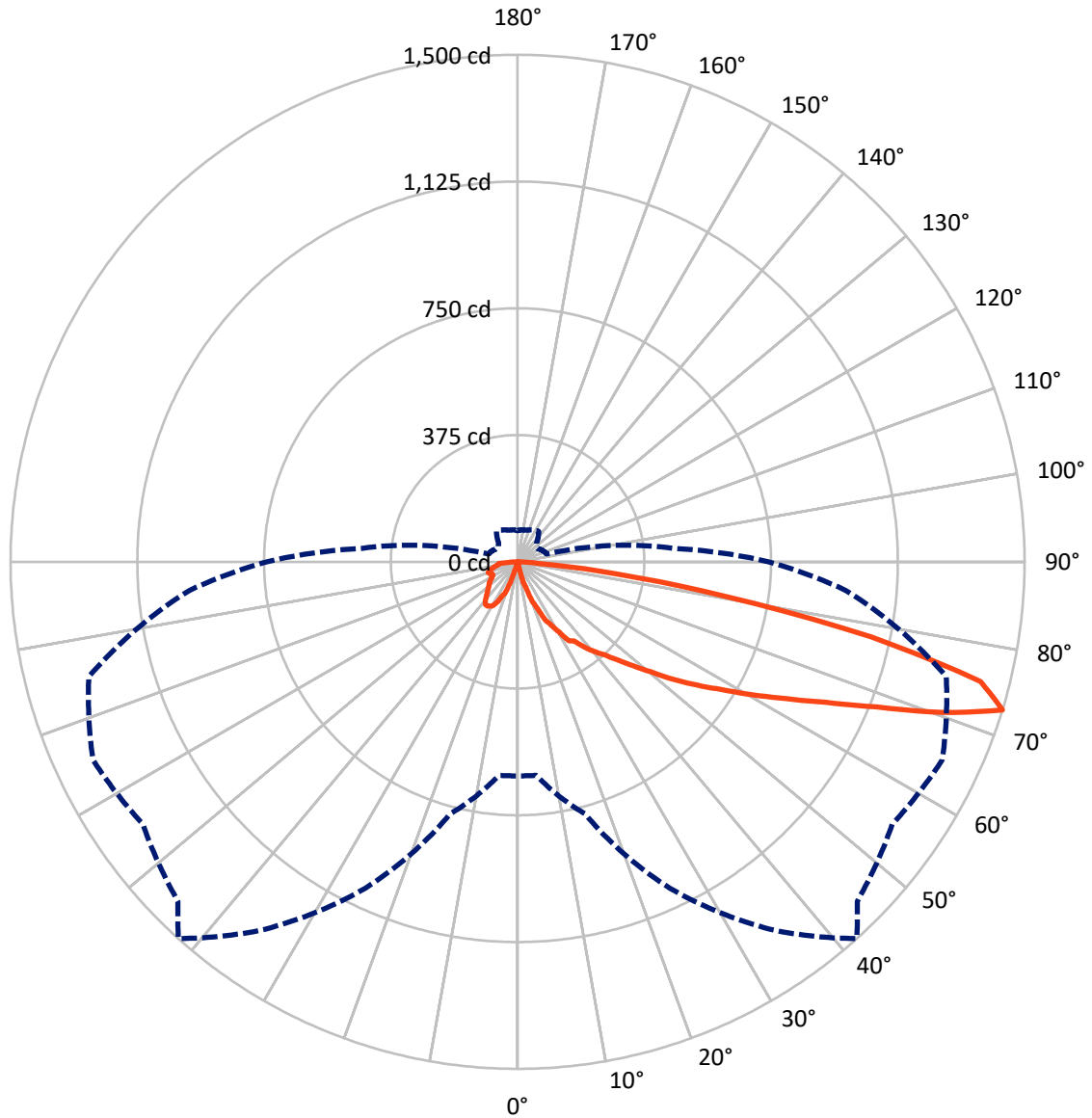
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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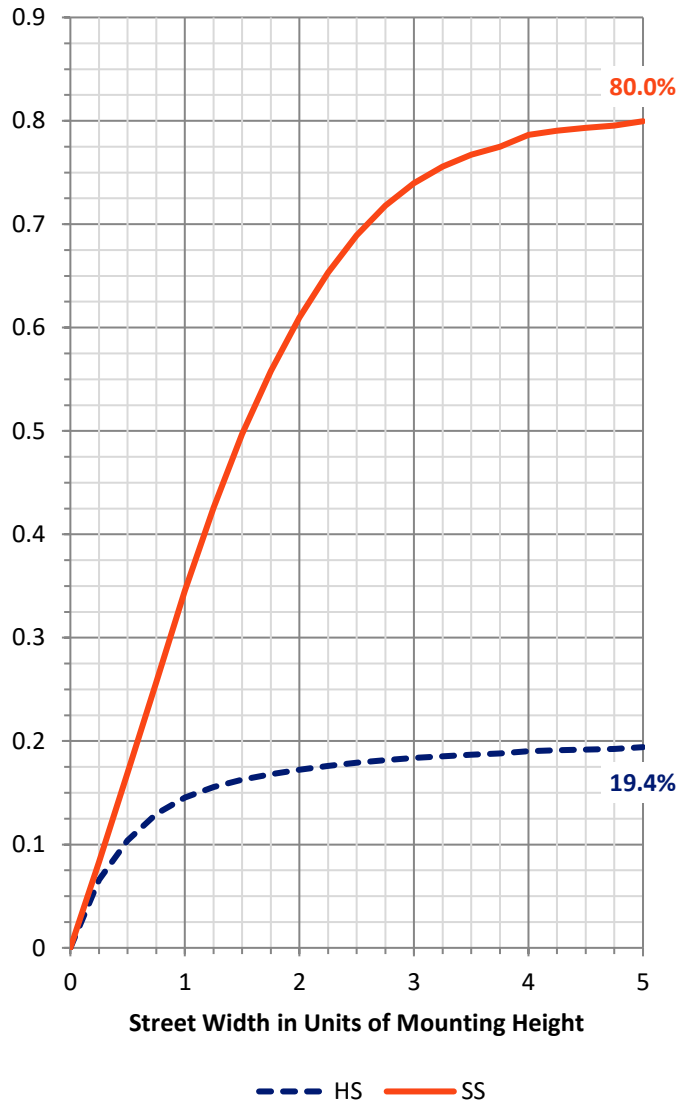
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	439.1	0.0	439.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	1762.9	0.0	1762.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	2202.0	0.0	2202.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	15.6	0.7
20°-30°	83.6	3.8
30°-40°	189.4	8.6
40°-50°	280.2	12.7
50°-60°	430.7	19.6
60°-70°	632.0	28.7
70°-80°	505.3	22.9
80°-90°	65.0	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°	2202.0	100.0
0°-180°	2202.0	100.0

Coefficient of Utilization



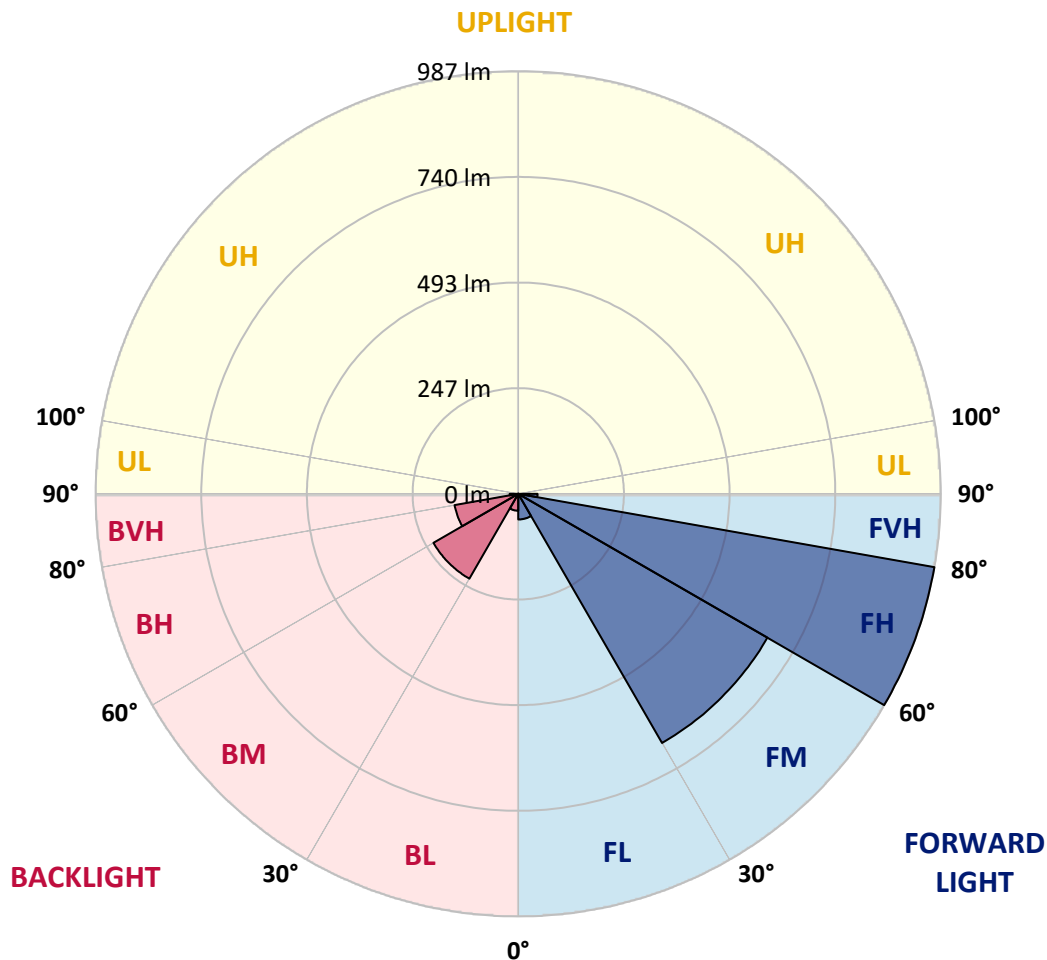
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.8	2.7			
FM (30°-60°)	671.6	30.5			
FH (60°-80°)	986.5	44.8			G1/1800
FVH (80°-90°)	44.9	2.0			G1/100
BL (0°-30°)	39.5	1.8	B0/110		
BM (30°-60°)	228.7	10.4	B1/1000		
BH (60°-80°)	150.8	6.8	B1/500		G1/500
BVH (80°-90°)	20.1	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10°	18.8	17.3	15.1	6.0	2.3	0.8	0.8	0.8	0.8	0.8	0.8
12.5°	80.6	80.6	78.4	72.4	16.6	9.0	4.5	1.5	5.3	11.3	14.3
15°	92.0	92.0	88.9	84.4	76.9	64.1	31.7	14.3	62.6	68.6	67.1
17.5°	164.3	151.5	110.8	95.7	85.9	78.4	77.6	71.6	78.4	76.9	75.4
20°	190.7	189.9	183.1	171.8	102.5	125.1	126.6	118.3	90.4	111.5	140.2
22.5°	206.5	203.5	191.4	178.6	188.4	150.0	138.7	130.4	150.7	167.3	163.6
25°	278.9	277.4	267.6	192.9	199.7	190.7	183.1	186.2	191.4	183.9	186.2
27.5°	297.0	293.2	280.4	251.7	217.8	211.8	226.9	203.5	225.4	270.6	265.3
30°	430.4	425.1	358.0	278.1	260.8	241.2	237.4	254.0	273.6	281.1	278.9
32.5°	489.1	483.1	459.0	364.8	281.1	278.9	265.3	275.9	281.1	347.5	369.3
35°	560.8	554.7	523.8	414.5	339.2	287.2	290.2	279.6	331.6	355.7	381.4
37.5°	610.5	604.5	586.4	457.5	377.6	320.3	302.2	312.0	337.7	370.1	395.7
40°	657.2	653.5	642.2	511.8	419.1	348.2	323.3	325.6	350.5	391.9	414.5
42.5°	705.5	703.2	697.2	563.0	456.7	376.1	349.7	342.2	378.4	412.3	442.4
45°	748.4	753.7	750.7	616.5	497.4	413.0	382.9	368.6	412.3	444.7	486.1
47.5°	770.3	770.3	786.9	670.8	541.2	459.0	423.6	405.5	456.7	496.7	547.9
50°	801.2	804.2	805.7	726.6	600.7	511.8	468.8	450.7	502.7	571.3	649.7
52.5°	882.6	910.5	845.6	780.8	675.3	578.8	517.8	498.2	563.0	663.3	780.1
55°	911.2	917.2	899.2	853.9	738.6	643.7	572.1	554.7	656.5	770.3	924.0
57.5°	936.1	928.6	951.9	933.1	821.5	713.0	637.6	627.8	756.7	888.6	1069.5
60°	960.2	963.2	996.4	1024.3	897.7	798.9	710.0	733.3	858.5	1012.2	1207.4
62.5°	981.3	988.9	1046.9	1077.8	964.7	890.1	805.7	869.0	972.3	1134.3	1320.5
65°	963.2	973.8	1092.9	1112.5	1055.9	1000.9	915.7	1004.7	1111.7	1239.1	1392.1
67.5°	936.1	945.9	1085.3	1169.7	1160.7	1144.9	1050.7	1134.3	1257.2	1345.4	1388.3
70°	852.4	864.5	1008.4	1190.1	1292.6	1334.8	1233.0	1254.2	1367.2	1386.8	1247.4
72.5°	633.1	633.9	772.5	1065.0	1331.8	1499.9	1420.7	1352.9	1386.0	1312.9	975.3
75°	300.0	296.2	398.0	676.8	1114.7	1414.7	1415.4	1325.8	1251.1	1076.3	627.8
77.5°	88.2	89.7	125.9	279.6	714.5	1069.5	1137.3	1086.8	953.4	603.0	275.9
80°	44.5	48.2	62.6	97.2	311.3	624.1	710.7	701.7	541.2	201.2	95.0
82.5°	21.9	22.6	33.9	52.8	135.7	290.2	371.6	325.6	172.6	96.5	48.2
85°	6.0	5.3	9.8	18.1	42.2	61.8	74.6	61.0	52.0	40.7	19.6
87.5°	0.0	0.8	0.8	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
10°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
12.5°	14.3	12.8	9.8	5.3	1.5	0.8	0.8	0.8	0.8	1.5	1.5
15°	65.6	64.8	64.1	58.8	12.8	2.3	1.5	6.8	23.4	35.4	43.0
17.5°	74.6	73.9	73.1	71.6	66.3	16.6	21.9	59.5	71.6	72.4	73.1
20°	137.9	134.9	101.7	79.1	73.1	66.3	63.3	73.1	76.1	78.4	79.1
22.5°	160.5	157.5	150.7	140.2	84.4	102.5	95.7	79.9	125.1	134.9	136.4
25°	182.4	178.6	162.8	150.0	143.2	109.3	121.3	128.9	141.7	144.7	146.2
27.5°	261.5	251.7	232.1	166.6	156.0	131.9	141.7	136.4	162.8	189.9	192.2
30°	278.1	268.3	241.2	199.7	165.1	152.2	141.7	177.9	196.7	202.7	205.8
32.5°	370.8	361.0	312.0	201.2	175.6	150.0	165.8	181.6	195.2	235.9	239.7
35°	385.1	373.1	316.6	232.9	169.6	156.0	164.3	188.4	224.6	238.2	240.4
37.5°	401.0	387.4	312.0	218.6	180.1	156.8	160.5	185.4	206.5	212.5	215.6
40°	425.1	404.7	304.5	202.7	169.6	147.7	156.0	170.3	182.4	180.1	182.4
42.5°	457.5	425.8	292.4	184.7	156.8	135.7	144.7	153.8	161.3	154.5	153.0
45°	498.2	456.0	278.9	168.8	143.2	125.1	133.4	140.9	146.2	134.2	132.7
47.5°	557.0	490.7	262.3	152.2	131.9	116.8	124.4	129.6	132.7	121.3	119.1
50°	636.9	536.6	243.4	138.7	122.1	109.3	118.3	121.3	119.1	110.8	109.3
52.5°	737.1	606.7	224.6	128.1	113.8	104.0	112.3	111.5	109.3	103.3	102.5
55°	862.2	700.2	208.8	120.6	107.0	98.7	104.8	104.8	104.0	98.7	98.7
57.5°	993.4	788.4	189.9	113.8	99.5	91.2	98.7	100.2	99.5	95.7	95.0
60°	1102.7	860.7	162.0	107.8	91.2	85.2	93.5	96.5	95.7	92.0	91.2
62.5°	1165.2	872.0	133.4	99.5	84.4	79.9	90.4	95.0	100.2	102.5	102.5
65°	1178.0	826.1	114.6	93.5	79.9	78.4	93.5	107.0	111.5	114.6	116.1
67.5°	1126.0	730.3	103.3	89.7	76.9	81.4	106.3	113.8	109.3	107.8	107.8
70°	982.1	606.0	95.0	85.2	73.1	85.2	110.8	108.5	102.5	104.0	103.3
72.5°	743.1	461.3	88.9	80.6	69.3	79.1	109.3	104.0	96.5	95.0	92.0
75°	450.0	270.6	82.2	75.4	60.3	70.1	104.8	99.5	92.0	88.9	86.7
77.5°	174.1	125.1	74.6	69.3	52.0	61.8	97.2	95.0	87.4	81.4	80.6
80°	73.9	66.3	64.1	61.0	44.5	53.5	87.4	88.2	76.9	69.3	67.1
82.5°	41.5	40.7	49.7	49.7	36.9	47.5	79.1	79.1	67.8	63.3	58.0
85°	13.6	15.8	26.4	30.1	27.1	44.5	76.9	73.1	58.8	49.0	46.7
87.5°	1.5	1.5	3.0	6.0	6.8	11.3	21.9	25.6	18.1	15.1	15.1
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)