

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: P414593

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3284 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 31
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: 28.75 FT

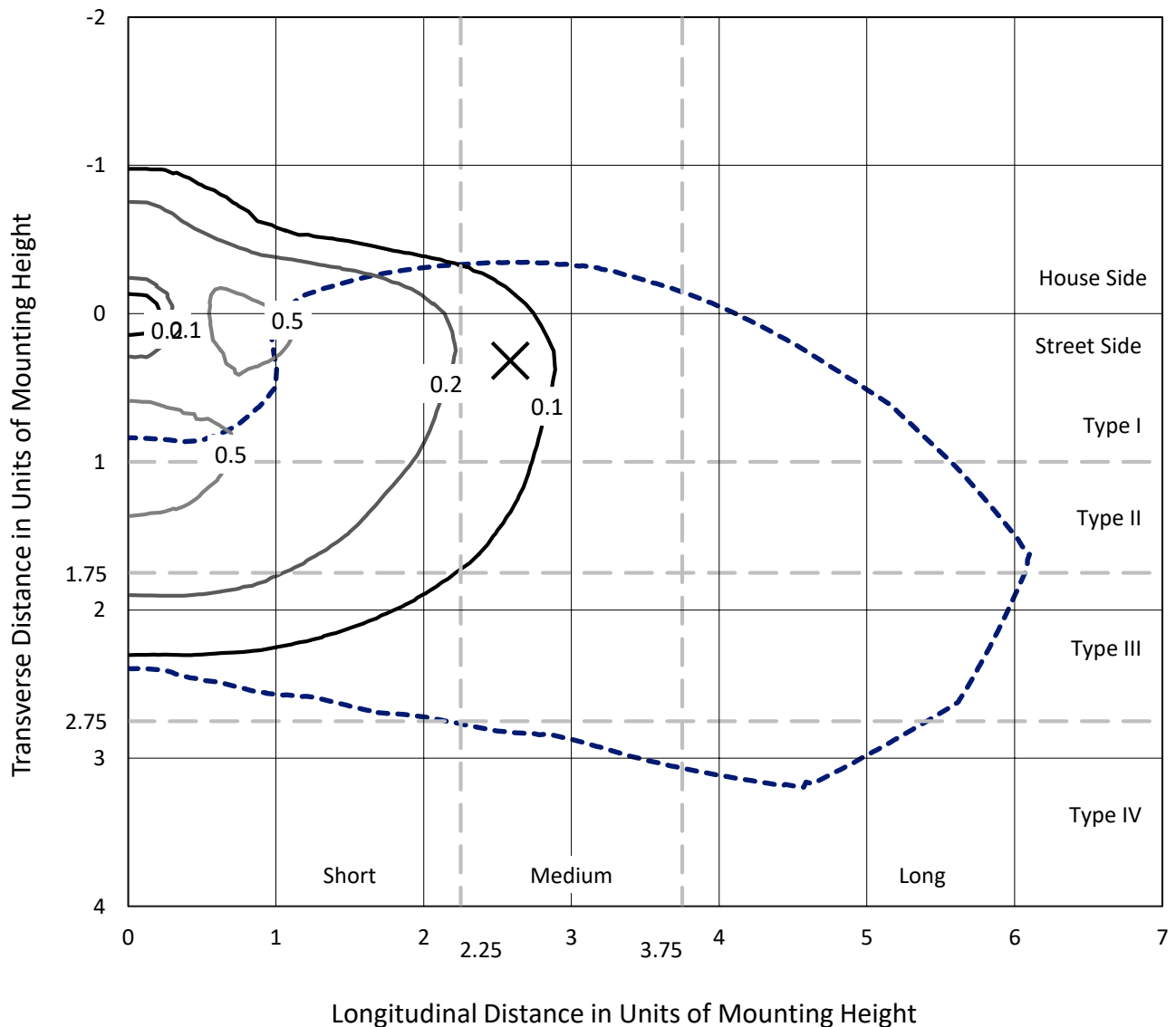


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

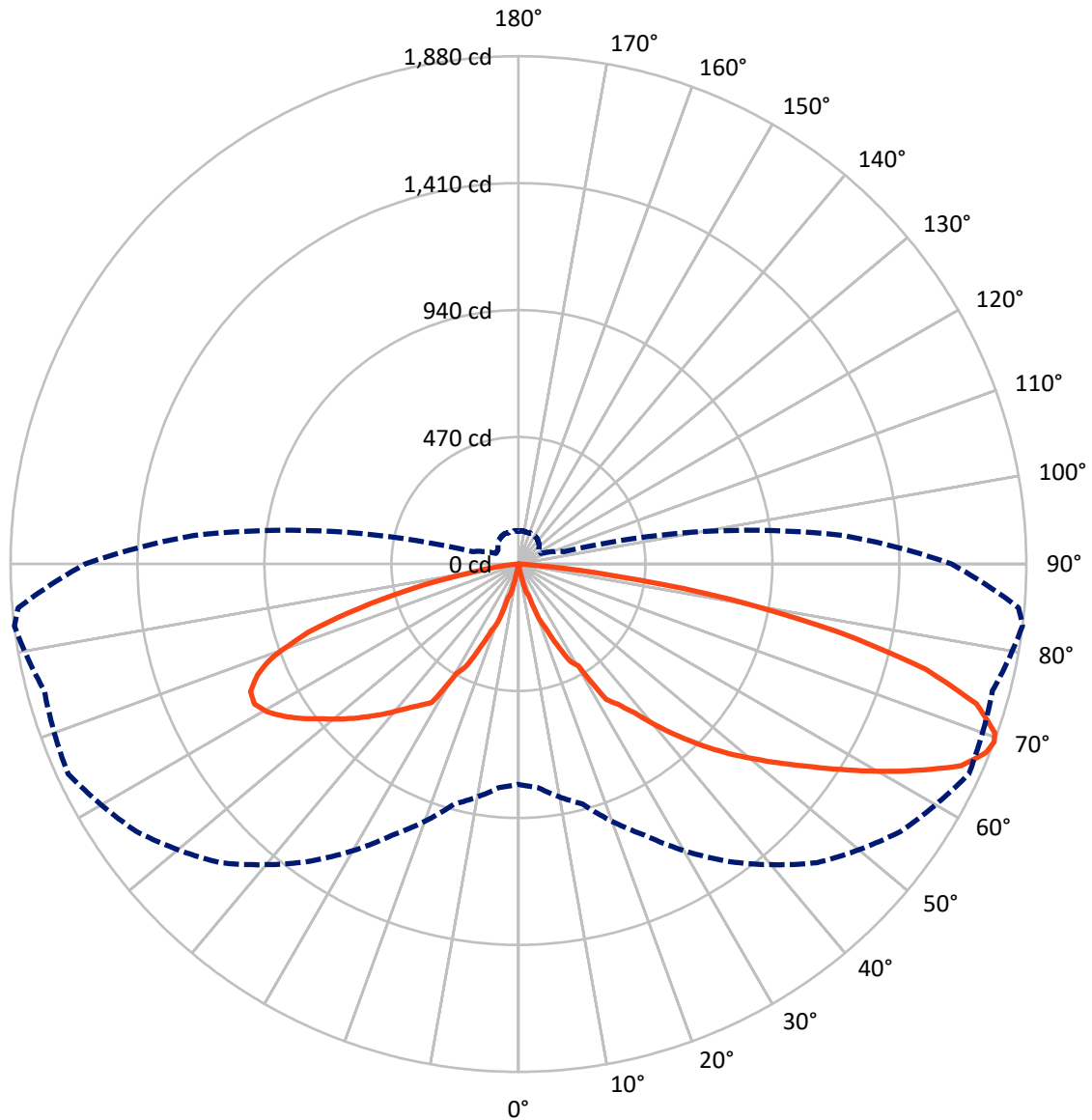


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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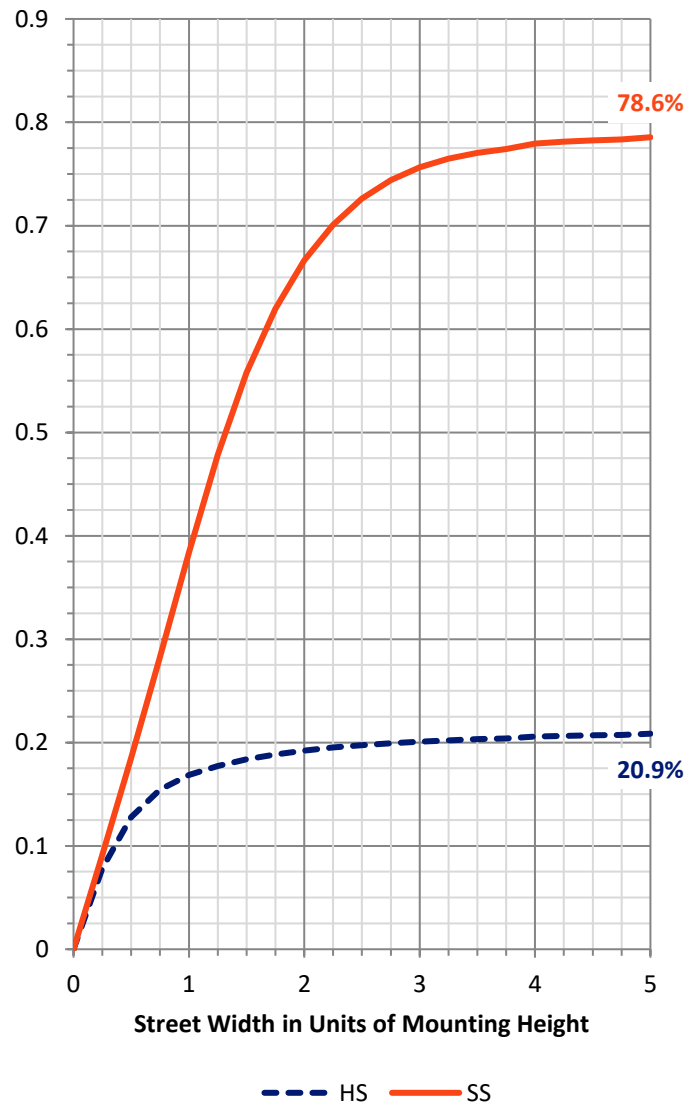
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.6	0.0	696.6
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	2587.4	0.0	2587.4
	% Fixture	78.8	0.0	78.8
Total	Lumens	3284.0	0.0	3284.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	33.4	1.0
20°-30°	131.7	4.0
30°-40°	293.1	8.9
40°-50°	497.6	15.2
50°-60°	741.6	22.6
60°-70°	873.4	26.6
70°-80°	611.3	18.6
80°-90°	99.8	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°	3284.0	100.0
0°-180°	3284.0	100.0



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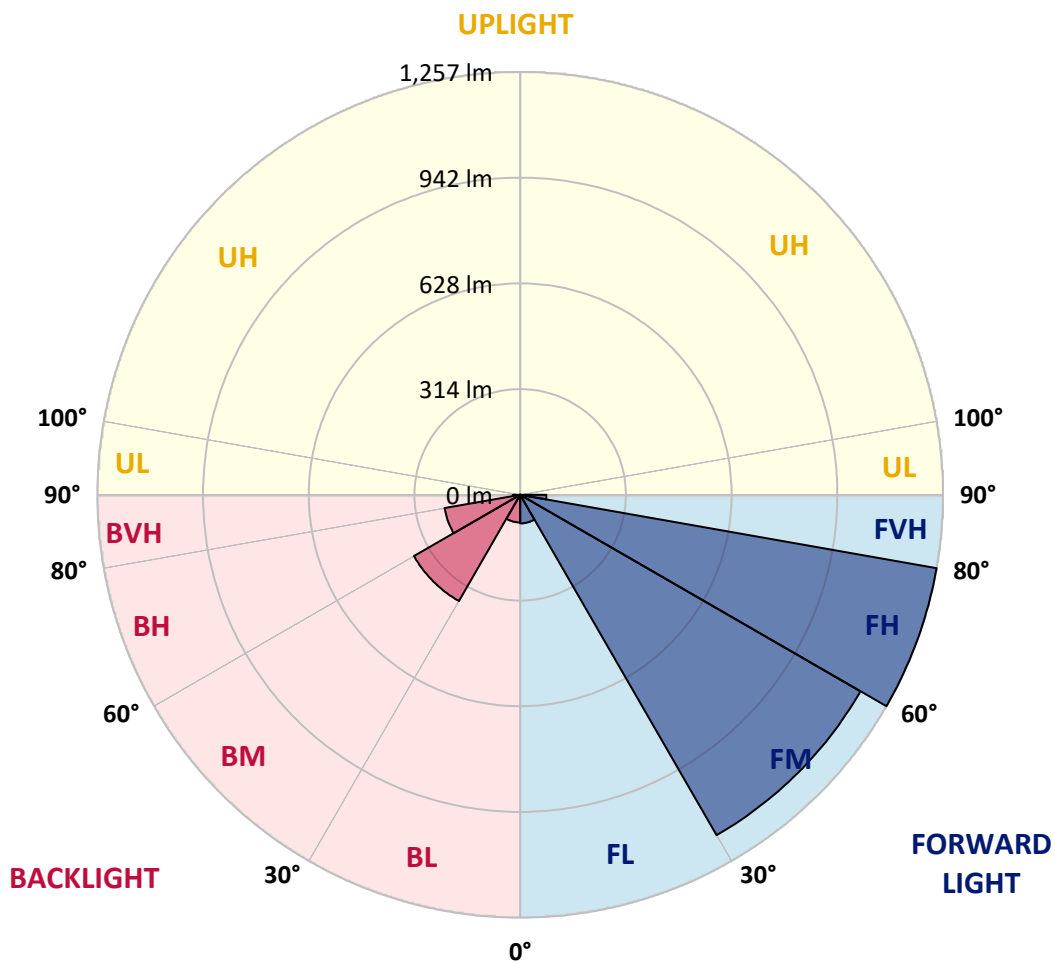
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.0	2.6			
FM (30°-60°)	1167.8	35.6			
FH (60°-80°)	1256.5	38.3			G1/1800
FVH (80°-90°)	78.0	2.4			G1/100
BL (0°-30°)	82.1	2.5	B0/110		
BM (30°-60°)	364.5	11.1	B1/1000		
BH (60°-80°)	228.1	6.9	B1/500		G1/500
BVH (80°-90°)	21.8	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.8	1.4	1.8	2.1	2.1	1.8	1.4	1.4	1.4	1.4	1.1
5°	28.6	20.9	18.7	16.6	9.9	3.5	2.1	1.4	1.4	1.4	1.4
7.5°	60.5	60.5	60.5	60.8	60.5	44.9	10.6	2.5	1.4	1.4	1.4
10°	61.2	60.8	60.5	60.8	61.5	61.9	59.7	8.5	3.5	3.2	3.2
12.5°	110.7	110.0	106.1	74.2	62.9	63.3	64.7	46.7	17.0	44.9	52.3
15°	117.4	116.7	116.7	117.0	111.0	68.9	97.2	127.3	90.5	108.2	110.0
17.5°	131.5	127.6	124.4	122.3	123.0	137.2	137.9	140.7	105.4	121.3	123.4
20°	201.5	200.1	188.8	144.6	135.1	178.2	158.7	156.3	197.3	214.2	217.8
22.5°	230.2	228.7	220.6	212.8	222.0	194.1	225.9	233.0	267.3	257.0	260.2
25°	312.5	311.5	266.2	246.4	270.8	223.1	278.9	266.9	295.2	329.1	332.7
27.5°	382.5	380.1	370.9	332.3	302.3	334.4	308.6	356.7	400.9	406.6	417.2
30°	454.3	438.0	409.8	411.2	372.3	368.7	367.7	428.1	429.6	438.4	456.4
32.5°	571.7	564.2	540.6	467.4	458.9	409.8	452.5	456.4	561.1	597.8	601.4
35°	665.7	633.9	611.6	570.3	505.9	521.8	504.1	574.1	615.5	639.2	653.7
37.5°	815.6	819.9	783.4	632.8	592.5	574.1	604.9	642.7	694.4	700.0	721.9
40°	923.4	920.6	871.5	760.5	670.3	651.6	672.1	709.2	779.2	786.3	791.6
42.5°	1080.4	1066.6	998.0	873.2	789.8	750.2	755.9	771.4	841.4	872.9	866.5
45°	1225.7	1216.5	1147.2	993.4	902.9	856.6	848.1	834.4	918.5	960.6	948.9
47.5°	1339.6	1323.3	1283.7	1127.1	1057.4	978.6	936.2	911.1	994.9	1048.6	1032.3
50°	1461.5	1436.8	1401.1	1259.7	1191.1	1120.7	1027.4	995.9	1080.8	1134.2	1121.1
52.5°	1542.5	1504.0	1481.7	1377.7	1314.5	1252.9	1116.1	1094.9	1175.2	1226.4	1223.6
55°	1501.8	1500.4	1523.0	1457.3	1395.8	1330.7	1208.4	1207.3	1273.8	1326.5	1329.0
57.5°	1431.1	1438.6	1502.9	1512.8	1486.6	1410.3	1322.6	1333.2	1389.8	1438.6	1443.9
60°	1341.0	1361.5	1454.1	1506.4	1527.3	1489.5	1432.5	1448.8	1516.3	1558.4	1557.0
62.5°	1221.8	1238.4	1353.7	1472.1	1514.6	1550.3	1534.0	1586.3	1639.7	1679.3	1689.6
65°	1081.1	1087.8	1212.6	1372.4	1482.0	1581.4	1618.9	1714.0	1739.8	1800.6	1802.7
67.5°	925.2	927.3	1035.9	1226.4	1411.3	1578.9	1691.0	1808.4	1801.6	1866.3	1861.4
69°	815.6	830.8	919.9	1107.6	1342.7	1563.7	1726.7	1839.5	1816.8	1880.1	1858.6
70°	738.5	737.5	839.3	1006.9	1282.3	1544.3	1749.3	1847.6	1817.2	1870.6	1838.1
72.5°	470.6	477.6	565.7	714.5	1033.4	1431.8	1777.2	1826.0	1778.3	1773.0	1703.4
75°	207.9	188.8	243.9	378.3	649.8	1113.7	1710.1	1728.8	1667.6	1558.4	1438.9
77.5°	72.8	75.7	91.9	153.8	312.9	663.6	1417.3	1520.9	1472.8	1210.2	1076.9
80°	52.0	52.3	61.5	85.9	151.7	234.0	902.2	1100.2	1133.4	797.9	685.9
82.5°	36.8	36.8	45.6	54.8	105.0	104.6	388.2	605.3	646.6	353.9	264.8
85°	30.8	31.5	35.0	31.8	61.5	53.4	95.8	186.7	153.1	43.1	37.8
87.5°	4.6	4.2	12.0	10.6	9.2	7.8	10.6	12.0	8.1	6.4	4.6
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.4	1.4	1.4	1.4	1.1	0.7	0.7	0.7	1.1	1.1	1.1
5°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.5	2.8	3.2	3.2
7.5°	1.4	1.4	1.4	1.8	2.1	3.2	17.3	60.1	65.8	68.6	70.4
10°	2.8	3.2	3.2	3.2	7.8	66.5	79.2	82.0	84.8	86.3	85.9
12.5°	54.8	56.6	14.1	10.3	61.9	83.1	85.6	88.4	91.2	93.3	93.0
15°	112.8	115.6	111.0	114.9	122.0	90.2	92.3	156.3	169.3	171.8	172.2
17.5°	125.9	128.0	130.1	169.3	173.6	133.6	159.8	171.5	172.9	173.6	173.9
20°	239.7	238.6	193.0	185.6	183.8	231.9	169.7	172.9	206.8	235.5	236.9
22.5°	264.4	267.6	254.9	272.6	241.5	234.8	213.9	229.1	241.8	241.5	240.4
25°	342.9	347.2	292.4	283.5	289.5	233.3	266.9	228.7	232.3	232.6	234.8
27.5°	428.8	429.9	405.9	319.2	285.0	288.8	251.4	243.6	272.2	274.0	274.0
30°	467.0	473.7	428.8	369.8	295.2	272.9	243.6	265.5	252.8	254.9	254.9
32.5°	620.5	615.2	560.0	366.3	305.8	251.0	254.5	246.1	272.6	279.6	280.4
35°	660.8	649.8	563.2	409.4	285.3	256.3	232.6	250.0	250.0	249.6	247.8
37.5°	710.6	691.5	556.5	379.0	287.1	234.0	224.5	224.9	245.4	250.0	246.8
40°	769.7	741.0	555.4	353.9	260.2	221.7	206.1	216.4	216.0	210.0	206.5
42.5°	833.6	795.8	552.9	324.2	233.7	207.9	194.4	191.3	193.0	182.1	181.0
45°	908.6	852.4	545.9	298.0	212.5	193.0	177.8	172.9	173.6	165.1	163.0
47.5°	988.1	910.7	544.1	277.5	194.8	178.2	165.8	159.4	161.9	152.4	150.3
50°	1076.9	970.8	538.1	258.4	175.4	164.4	155.2	147.8	148.1	140.7	138.9
52.5°	1173.4	1029.2	531.4	232.3	157.7	152.7	147.4	141.8	148.1	138.2	136.1
55°	1272.4	1100.2	522.5	201.9	141.8	143.9	138.6	142.8	152.0	136.5	133.6
57.5°	1382.3	1167.0	505.9	168.6	129.0	134.0	137.5	143.2	150.6	136.1	130.8
60°	1486.6	1231.4	466.3	142.5	118.1	125.9	135.4	141.1	140.4	133.6	130.1
62.5°	1592.7	1284.4	393.1	122.3	108.9	122.0	132.2	134.7	131.5	129.0	126.9
65°	1651.0	1297.5	304.8	108.9	101.5	116.7	128.3	130.5	125.9	125.9	124.1
67.5°	1641.5	1255.4	224.9	97.9	95.1	111.4	121.6	126.6	123.4	125.9	123.0
69°	1603.3	1207.3	176.8	92.3	91.9	107.1	117.7	123.4	120.9	124.4	120.9
70°	1558.4	1158.9	156.3	89.1	88.7	103.9	115.3	120.9	118.1	120.9	117.7
72.5°	1386.2	994.5	112.1	80.3	81.3	97.6	109.2	113.5	111.0	111.7	107.5
75°	1108.3	739.3	88.7	72.8	73.9	90.2	102.5	105.0	103.2	100.1	97.6
77.5°	779.2	476.6	72.8	66.1	66.5	81.3	95.5	95.1	92.3	89.1	85.9
80°	425.0	224.1	61.9	58.0	59.0	72.5	85.2	84.1	80.6	77.4	73.5
82.5°	183.8	90.5	48.1	46.3	49.5	60.8	73.2	70.4	67.2	68.6	53.4
85°	32.9	31.1	27.9	29.7	33.6	43.1	51.6	49.1	47.4	40.3	37.1
87.5°	2.8	4.2	4.2	5.3	7.4	8.1	14.5	10.6	11.0	4.2	2.1
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)