

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: P694965

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694965
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-PA16-30-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2837 lumens
Efficiency: N/A
Efficacy: 97.2 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

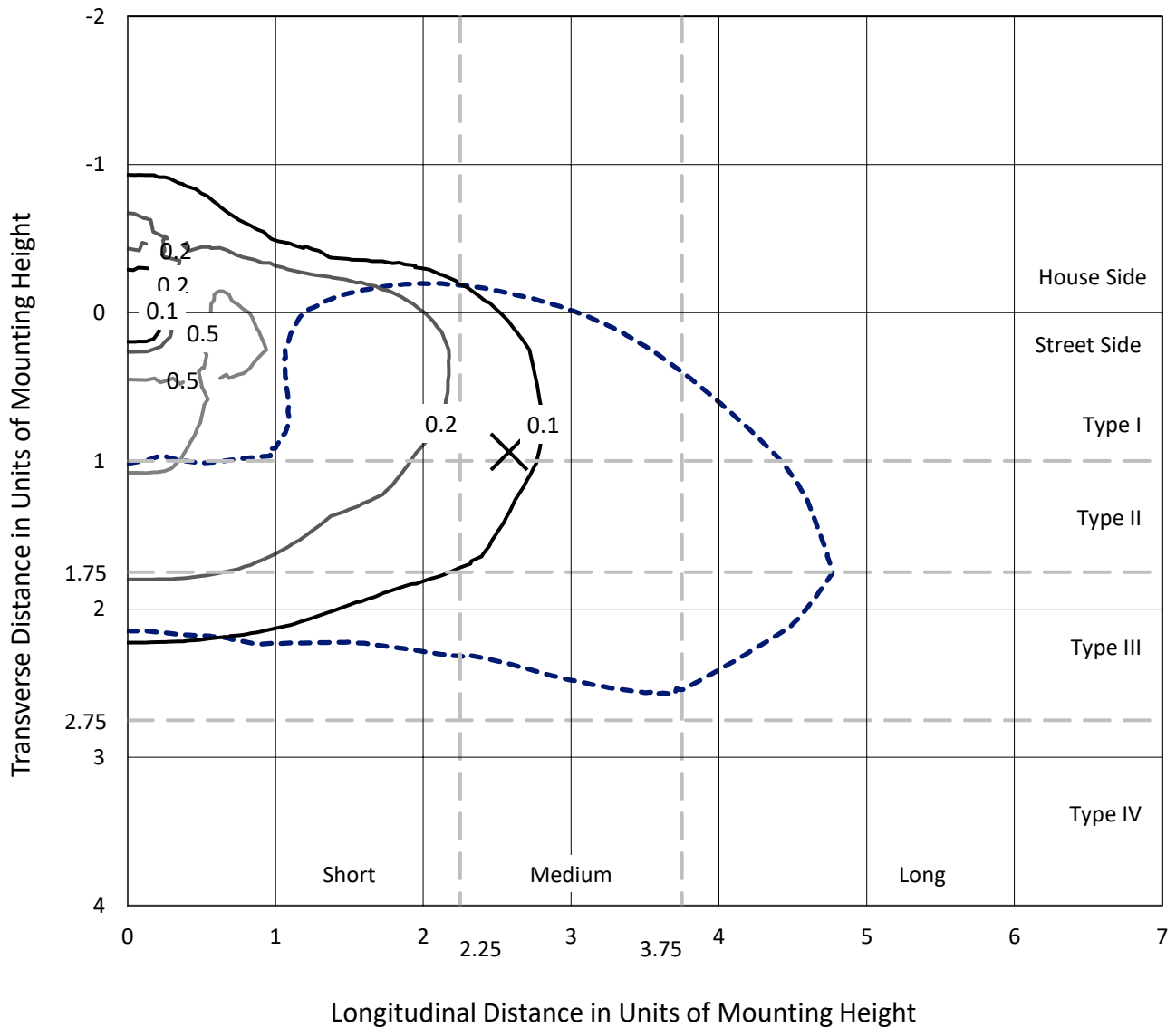
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

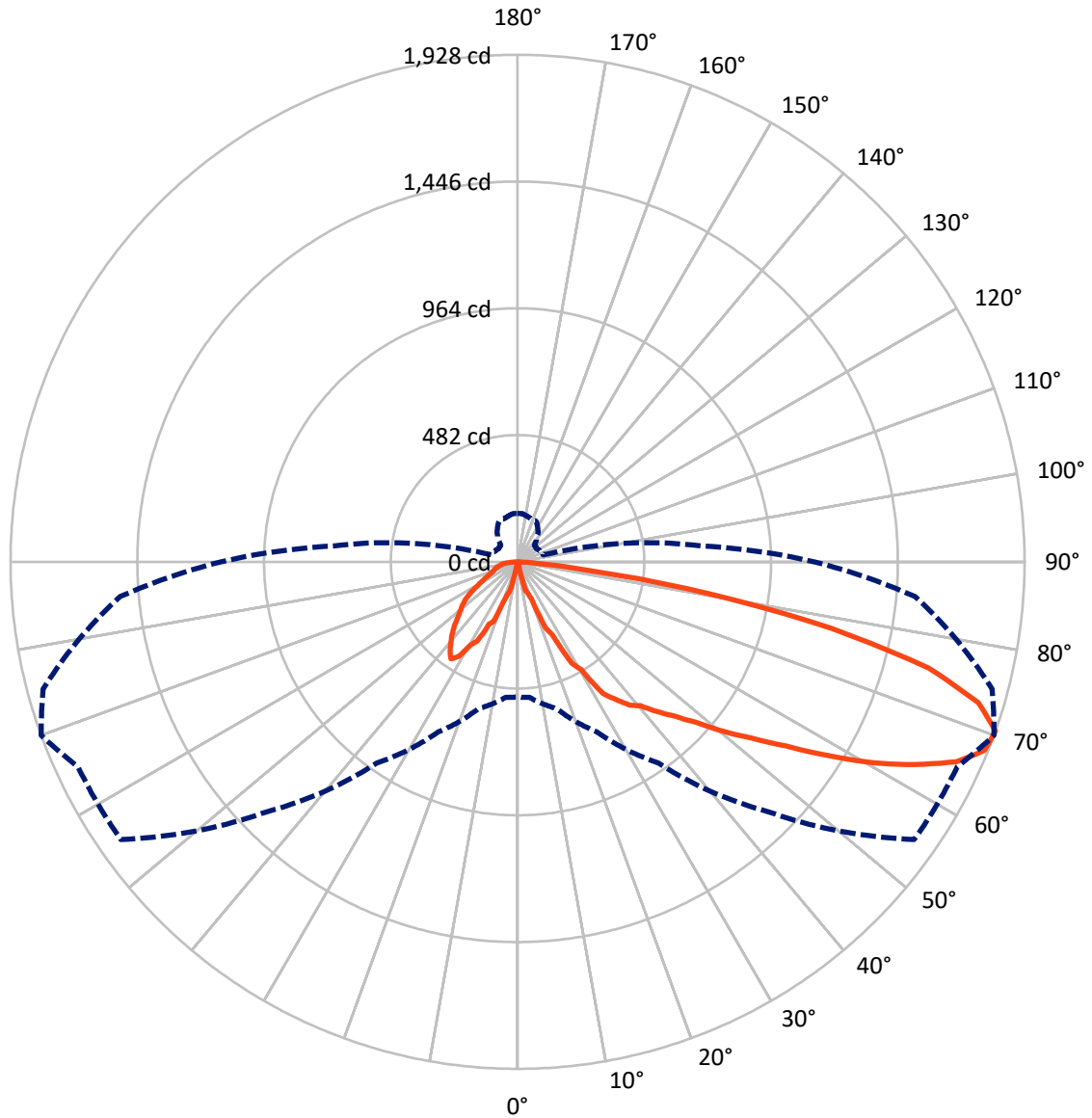
× Max cd
 - - - 1/2 Max cd



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

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CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3

Luminous Intensity Polar Plot



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

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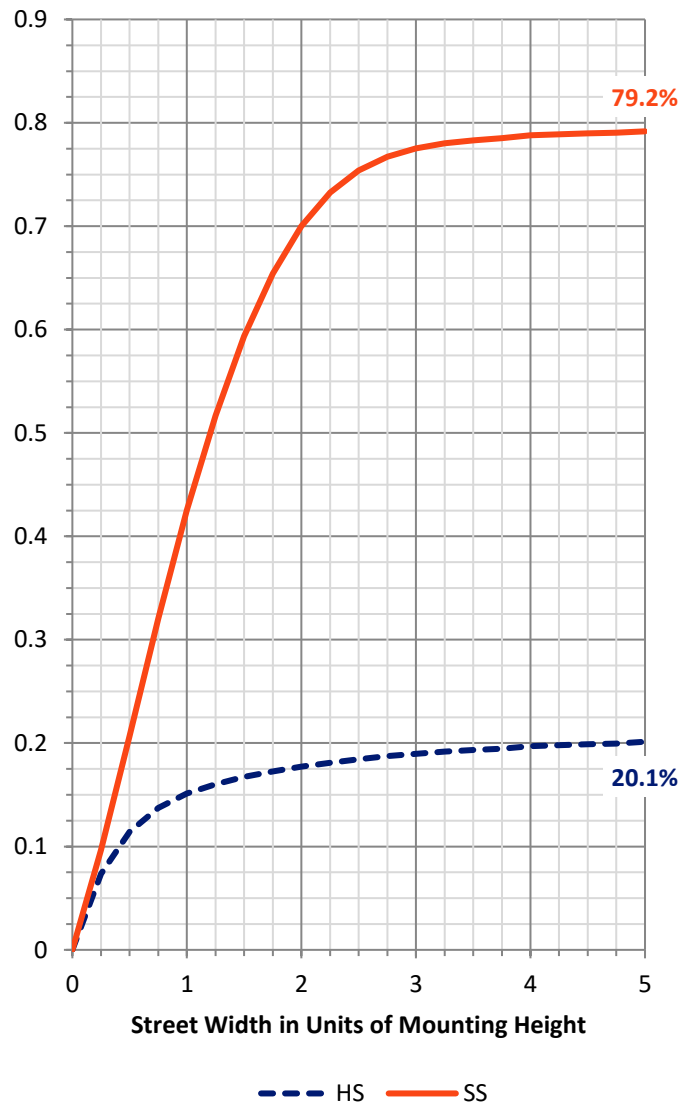
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.7	0.0	584.7
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	2252.4	0.0	2252.4
	% Fixture	79.4	0.0	79.4
Total	Lumens	2837.0	0.0	2837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	24.0	0.8
20°-30°	135.7	4.8
30°-40°	301.8	10.6
40°-50°	431.7	15.2
50°-60°	627.3	22.1
60°-70°	787.3	27.8
70°-80°	467.6	16.5
80°-90°	61.5	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°	2837.0	100.0
0°-180°	2837.0	100.0

Coefficient of Utilization

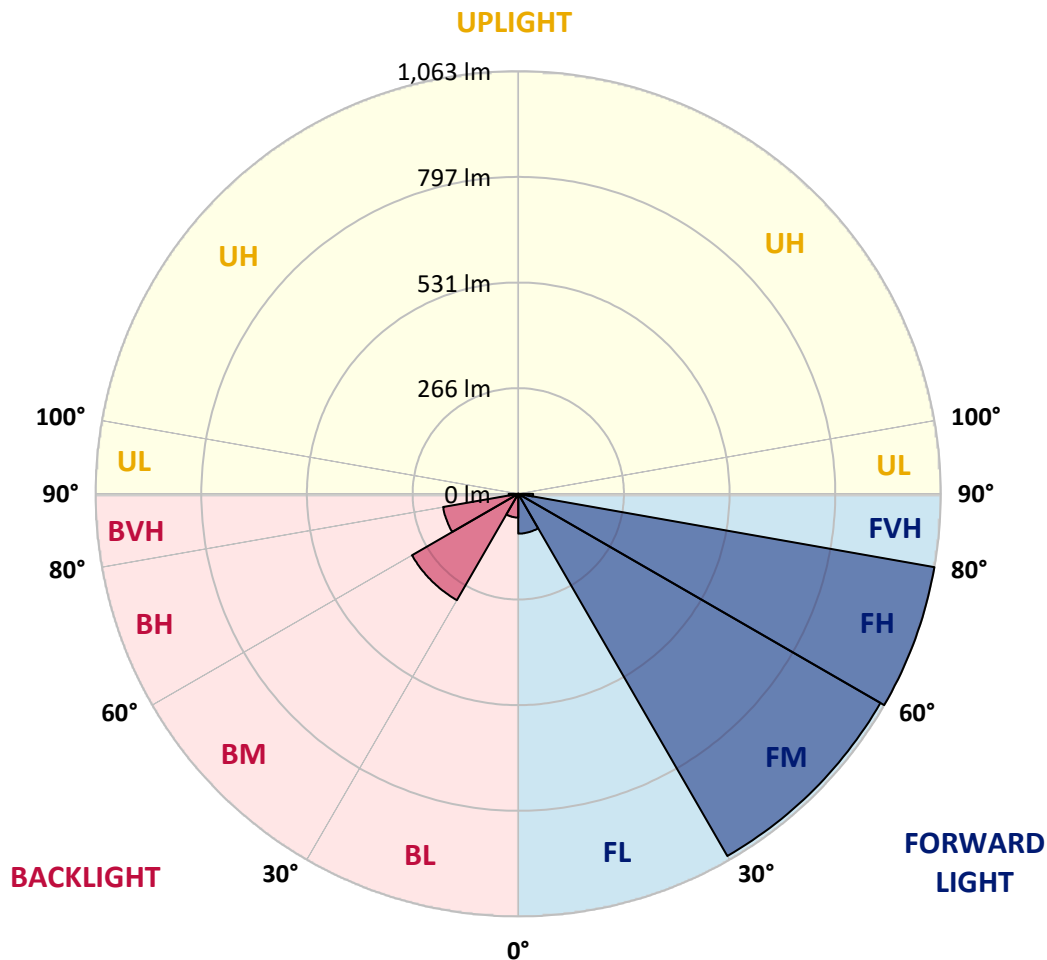


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.1	3.5			
FM (30°-60°)	1052.0	37.1			
FH (60°-80°)	1063.0	37.5			G1/1800
FVH (80°-90°)	37.3	1.3			G1/100
BL (0°-30°)	59.7	2.1	B0/110		
BM (30°-60°)	308.8	10.9	B1/1000		
BH (60°-80°)	191.9	6.8	B1/500		G1/500
BVH (80°-90°)	24.1	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 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°	12.7	13.7	8.8	4.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
12.5°	113.2	113.2	112.2	72.2	22.4	4.9	2.0	5.9	10.7	11.7	17.6
15°	125.8	125.8	125.8	123.9	118.0	41.0	18.5	103.4	113.2	116.1	116.1
17.5°	165.8	168.8	153.2	137.5	130.7	114.1	110.2	123.9	125.8	127.8	128.8
20°	281.9	281.9	281.9	251.7	155.1	200.0	183.4	141.5	148.3	177.5	244.9
22.5°	314.1	313.1	306.3	296.6	318.0	222.4	208.8	246.8	272.2	281.0	277.1
25°	480.9	480.0	454.6	335.6	350.2	300.5	314.1	313.1	307.3	310.2	306.3
27.5°	521.9	520.0	518.0	472.2	387.3	405.8	364.8	407.8	435.1	455.6	442.9
30°	733.6	691.7	607.8	535.6	494.6	435.1	469.2	494.6	476.1	484.8	464.4
32.5°	775.5	779.4	775.5	675.1	550.2	495.6	526.8	524.8	598.0	623.4	616.5
35°	817.5	814.6	808.7	719.0	639.9	571.7	555.1	642.9	642.9	657.5	637.0
37.5°	850.7	849.7	841.9	743.4	684.8	599.0	628.2	689.7	690.7	705.3	660.4
40°	879.0	879.9	877.0	769.7	720.9	628.2	662.4	735.5	719.9	741.4	699.5
42.5°	903.3	906.3	911.1	808.7	752.1	657.5	694.6	768.7	778.5	803.8	756.0
45°	948.2	954.1	960.9	870.2	794.1	696.5	738.5	835.1	837.0	875.1	834.1
47.5°	1004.8	1008.7	1023.3	936.5	856.5	753.1	783.4	883.8	912.1	959.9	927.7
50°	1053.6	1061.4	1080.9	1017.5	942.4	836.0	846.8	956.0	1012.6	1055.5	1026.3
52.5°	1090.6	1097.5	1126.7	1085.8	1033.1	924.8	926.8	1056.5	1114.1	1173.6	1156.0
55°	1120.9	1128.7	1156.0	1150.1	1116.0	998.0	1037.0	1153.1	1234.0	1304.3	1284.8
57.5°	1125.8	1124.8	1176.5	1194.0	1173.6	1094.5	1176.5	1258.4	1388.2	1443.8	1444.8
60°	1103.3	1108.2	1169.7	1223.3	1225.3	1194.0	1328.7	1398.9	1551.1	1588.2	1599.9
62.5°	1055.5	1066.3	1134.5	1223.3	1267.2	1293.6	1477.0	1556.9	1697.4	1716.9	1704.3
65°	964.8	968.7	1036.0	1166.7	1271.1	1384.3	1630.1	1694.5	1833.0	1813.5	1727.7
67.5°	779.4	791.2	853.6	1004.8	1178.4	1424.3	1769.6	1797.9	1914.0	1873.0	1670.1
70°	514.1	517.0	578.5	713.1	933.6	1341.4	1840.8	1843.8	1927.6	1867.2	1516.9
72.5°	223.4	205.8	264.4	372.7	572.6	1045.8	1754.0	1796.0	1831.1	1756.9	1256.5
75°	96.6	98.5	114.1	154.1	265.3	591.2	1459.4	1565.7	1613.5	1496.5	916.0
77.5°	72.2	72.2	82.9	93.7	123.9	223.4	951.1	1165.8	1222.3	1083.8	569.7
80°	52.7	54.6	62.4	68.3	80.0	90.7	474.1	706.3	742.4	564.8	250.7
82.5°	40.0	40.0	44.9	48.8	54.6	54.6	161.0	303.4	275.1	192.2	86.8
85°	17.6	14.6	23.4	22.4	24.4	19.5	42.9	55.6	55.6	43.9	19.5
87.5°	0.0	1.0	1.0	1.0	2.0	2.0	3.9	2.9	3.9	3.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P694965
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3

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°	15.6	18.5	11.7	5.9	1.0	0.0	0.0	1.0	1.0	2.0	2.0
15°	118.0	117.1	117.1	107.3	18.5	2.9	2.0	9.8	33.2	70.2	69.3
17.5°	128.8	128.8	128.8	123.9	112.2	31.2	31.2	103.4	112.2	113.2	114.1
20°	243.9	241.0	186.3	133.6	118.0	112.2	102.4	113.2	115.1	116.1	118.0
22.5°	274.1	271.2	258.5	232.2	132.7	162.9	147.3	121.0	180.5	189.3	191.2
25°	304.4	296.6	277.1	242.9	222.4	164.9	172.7	172.7	180.5	179.5	180.5
27.5°	434.1	425.3	399.0	276.1	241.0	193.2	191.2	168.8	181.4	206.8	208.8
30°	454.6	443.9	407.8	318.0	253.6	210.7	178.5	201.0	210.7	207.8	208.8
32.5°	600.0	587.3	529.7	320.0	255.6	194.1	198.0	201.0	204.9	223.4	225.3
35°	618.5	606.8	528.7	366.8	236.1	193.2	191.2	204.9	227.3	230.2	231.2
37.5°	644.8	633.1	518.0	334.6	235.1	191.2	186.3	201.9	209.7	206.8	204.9
40°	682.9	665.3	497.5	299.5	213.6	181.4	181.4	185.4	191.2	180.5	177.5
42.5°	739.5	703.4	475.1	268.3	196.1	168.8	168.8	169.7	165.8	156.1	156.1
45°	800.9	735.5	445.8	240.0	178.5	155.1	156.1	149.3	153.2	145.4	145.4
47.5°	873.1	774.6	409.7	212.7	162.9	142.4	140.5	141.5	146.3	140.5	140.5
50°	956.0	821.4	382.4	188.3	149.3	129.7	134.6	137.5	143.4	138.5	137.5
52.5°	1054.5	871.1	360.9	168.8	137.5	119.0	130.7	134.6	141.5	138.5	137.5
55°	1169.7	933.6	326.8	153.2	126.8	113.2	127.8	134.6	142.4	140.5	139.5
57.5°	1277.0	987.2	279.0	137.5	119.0	109.3	126.8	134.6	144.4	142.4	141.5
60°	1373.5	1038.0	220.5	125.8	112.2	104.4	123.9	134.6	145.4	146.3	145.4
62.5°	1422.3	1040.9	178.5	117.1	105.4	99.5	121.0	133.6	144.4	150.2	150.2
65°	1398.9	982.4	142.4	108.3	99.5	93.7	118.0	136.6	153.2	162.9	162.9
67.5°	1303.3	864.3	118.0	101.5	92.7	88.8	121.9	154.1	169.7	179.5	179.5
70°	1128.7	698.5	101.5	95.6	87.8	90.7	135.6	168.8	173.6	184.4	183.4
72.5°	895.5	521.9	90.7	89.7	84.9	95.6	144.4	162.9	162.9	166.8	162.9
75°	630.2	331.7	81.9	83.9	78.0	87.8	136.6	152.2	145.4	143.4	142.4
77.5°	359.0	179.5	72.2	76.1	70.2	76.1	119.0	135.6	128.8	123.9	121.9
80°	154.1	91.7	62.4	68.3	61.5	64.4	99.5	117.1	112.2	106.3	104.4
82.5°	61.5	47.8	52.7	60.5	51.7	54.6	84.9	99.5	95.6	89.7	83.9
85°	17.6	18.5	32.2	42.9	39.0	42.9	68.3	79.0	73.2	57.6	55.6
87.5°	2.0	2.9	6.8	8.8	9.8	7.8	15.6	21.5	19.5	14.6	11.7
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)