

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: P414217

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-730-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G1

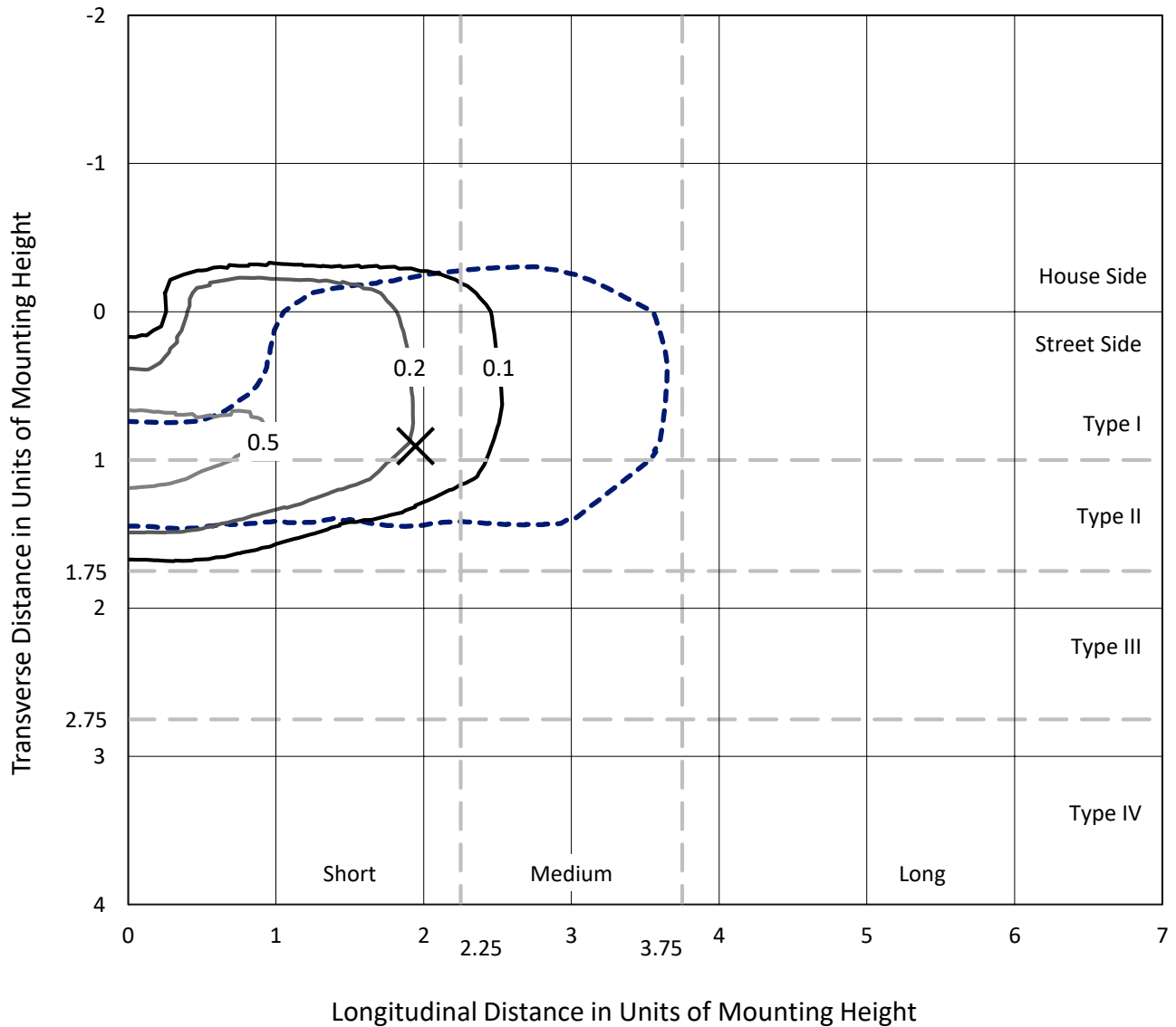
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414217
 CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

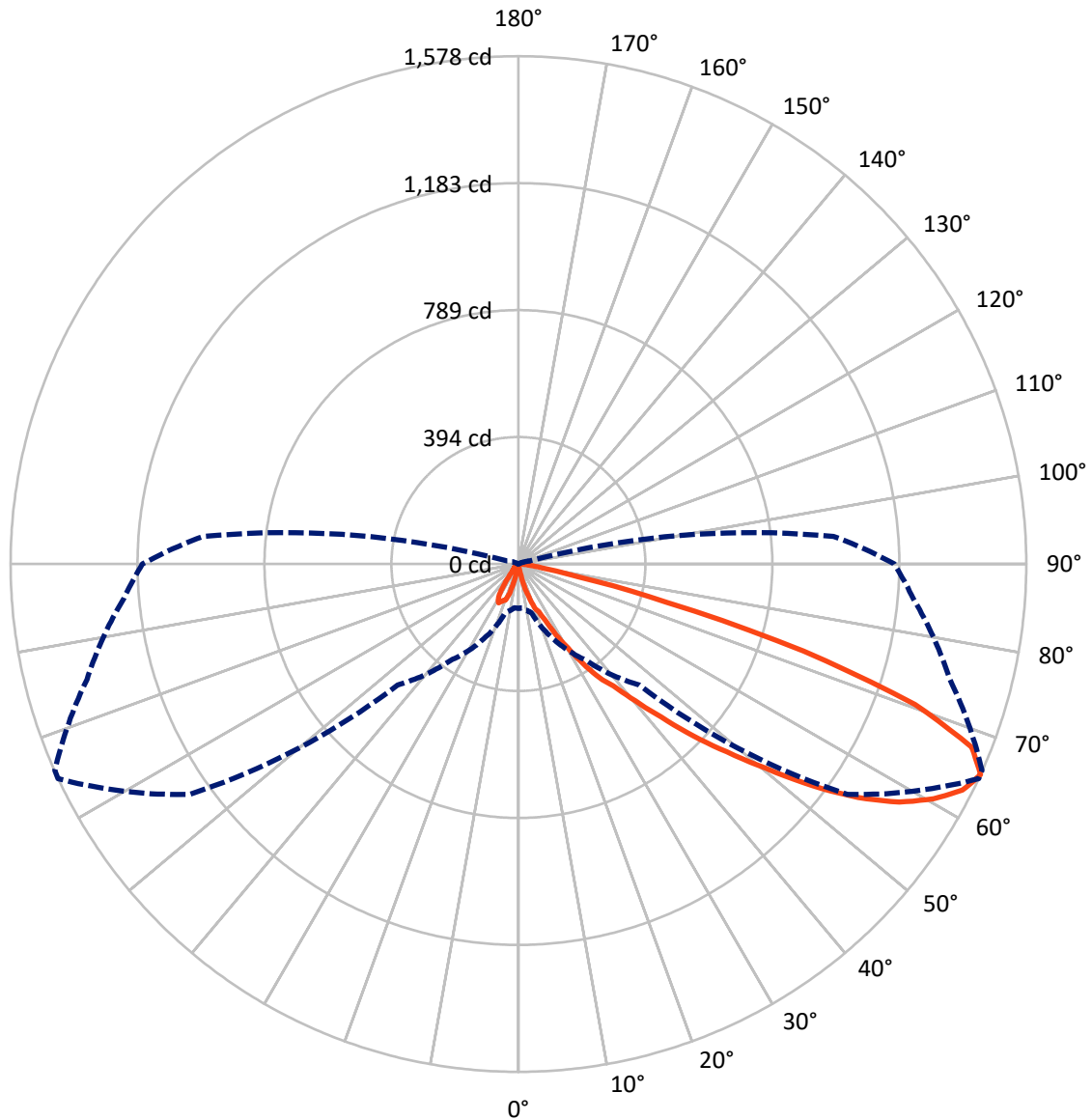
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P414217
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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-HSS

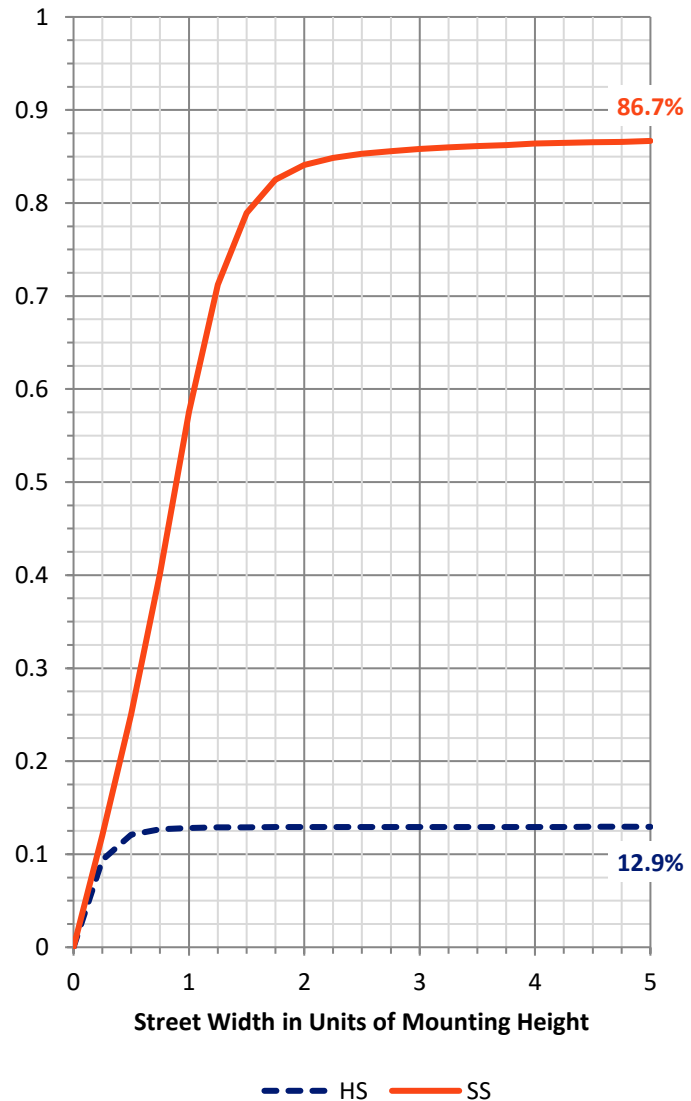
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	243.4	0.0	243.4
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1611.6	0.0	1611.6
	% Fixture	86.9	0.0	86.9
Total	Lumens	1855.0	0.0	1855.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	19.3	1.0
20°-30°	65.4	3.5
30°-40°	184.1	9.9
40°-50°	408.4	22.0
50°-60°	547.6	29.5
60°-70°	436.2	23.5
70°-80°	179.7	9.7
80°-90°	12.9	0.7
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°	1855.0	100.0
0°-180°	1855.0	100.0



REPORT NUMBER: P414217

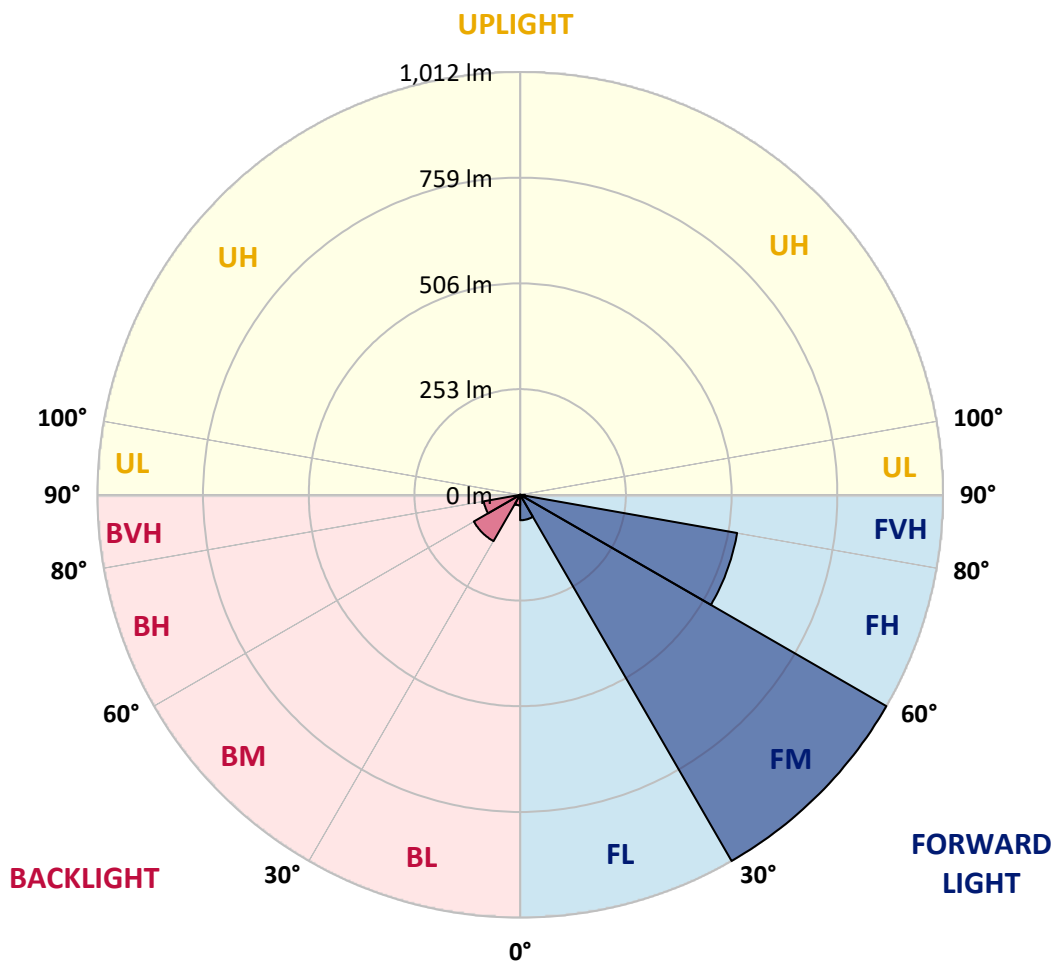
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.8	3.3			
FM (30°-60°)	1012.0	54.6			
FH (60°-80°)	527.3	28.4			G0/660
FVH (80°-90°)	11.4	0.6			G1/100
BL (0°-30°)	25.3	1.4	B0/110		
BM (30°-60°)	128.0	6.9	B0/220		
BH (60°-80°)	88.7	4.8	B0/110		G0/110
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





REPORT NUMBER: P414217

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.3	0.3	0.3	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5
5°	8.0	7.4	5.5	3.0	1.6	1.1	0.8	0.5	0.5	0.5	0.5
7.5°	55.4	55.2	55.2	55.7	56.0	20.0	1.9	0.8	0.8	0.5	0.5
10°	53.2	53.0	53.0	53.8	54.6	54.9	52.7	1.4	1.1	0.5	0.5
12.5°	99.3	97.7	62.3	54.6	53.2	53.8	54.1	46.6	21.7	33.5	41.4
15°	99.6	98.8	99.6	101.0	80.7	56.3	82.0	80.1	80.1	59.0	80.9
17.5°	100.7	99.6	100.2	102.1	99.1	116.3	109.8	113.6	113.6	84.0	89.5
20°	148.7	148.4	150.6	110.3	123.2	144.3	119.6	146.8	149.5	124.8	129.2
22.5°	151.7	151.5	155.0	154.5	151.2	155.0	175.1	160.8	161.6	188.8	170.7
25°	211.3	206.3	167.4	164.4	198.7	184.1	209.9	193.7	192.1	228.3	216.5
27.5°	241.7	239.5	242.0	234.6	210.5	225.8	227.2	249.4	238.2	261.5	266.7
30°	293.9	295.2	282.9	270.6	275.8	262.0	273.3	303.2	301.8	296.3	336.4
32.5°	469.2	454.9	430.8	335.3	314.2	304.3	335.6	369.3	355.6	375.9	416.0
35°	621.0	589.1	549.1	481.0	390.2	363.8	402.0	435.2	426.7	467.6	465.1
37.5°	873.9	859.1	789.7	616.0	525.5	453.8	472.2	480.2	490.1	536.7	535.6
40°	1023.5	1006.5	957.4	819.9	663.2	563.1	555.1	559.2	562.5	609.4	612.7
42.5°	1149.2	1141.5	1093.7	962.0	833.9	740.0	665.7	649.5	655.5	703.0	696.7
45°	1234.5	1225.4	1182.4	1090.4	984.2	936.0	794.1	762.5	764.2	790.5	785.6
47.5°	1253.2	1242.5	1223.2	1172.2	1136.3	1097.0	954.9	871.7	890.4	891.8	875.0
50°	1186.7	1173.6	1189.8	1177.7	1232.6	1252.3	1117.6	999.1	1031.2	1001.8	955.4
52.5°	1022.4	1026.5	1076.4	1112.9	1236.1	1361.0	1292.4	1145.0	1166.7	1092.6	1031.4
55°	811.9	822.1	904.7	971.6	1152.2	1391.4	1418.9	1280.3	1288.8	1189.2	1092.9
57.5°	597.9	611.6	713.1	787.8	989.5	1325.9	1480.9	1395.3	1412.0	1258.9	1135.7
60°	368.0	380.6	495.6	609.2	759.5	1137.4	1489.1	1481.4	1500.7	1308.0	1178.8
62.5°	224.2	234.9	285.1	423.1	545.8	859.7	1420.5	1547.6	1557.2	1357.7	1209.8
65°	138.0	136.1	156.4	257.1	364.1	531.5	1247.1	1577.5	1576.4	1387.6	1230.7
67.5°	91.4	93.0	100.7	141.3	248.1	287.3	894.2	1518.8	1513.3	1402.1	1222.4
70°	80.9	81.5	89.2	100.2	178.6	167.4	451.4	1307.5	1299.8	1362.9	1171.1
72.5°	63.4	65.3	77.9	90.8	129.0	122.7	170.1	926.1	936.0	1158.5	1030.6
75°	45.0	46.4	59.0	79.3	96.3	93.8	96.0	477.4	506.5	769.1	755.1
77.5°	28.3	29.4	38.1	58.7	81.8	69.1	67.2	187.4	209.9	376.2	377.8
80°	19.5	19.8	23.6	39.5	58.7	56.8	45.5	74.9	75.7	136.4	130.9
82.5°	11.5	11.5	15.6	24.4	35.9	46.4	29.4	37.6	39.0	50.5	28.8
85°	4.1	4.4	8.5	14.0	20.0	24.4	17.6	20.6	21.4	26.1	13.7
87.5°	0.3	0.5	2.7	4.4	5.5	4.9	5.8	6.3	7.1	8.5	4.9
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: P414217

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.5	0.5	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3
5°	0.5	0.5	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3
7.5°	0.5	0.5	0.8	0.8	0.8	0.5	7.7	42.8	44.7	46.1	46.4
10°	1.6	1.1	0.8	0.8	0.8	44.5	46.1	45.0	44.2	43.4	43.6
12.5°	42.0	42.0	38.1	24.7	41.4	45.5	43.1	40.3	38.1	35.7	35.9
15°	80.7	80.1	70.8	60.9	69.7	44.7	37.0	49.1	42.0	37.0	36.2
17.5°	89.7	87.0	76.0	97.1	86.4	51.0	42.8	29.1	20.9	18.9	18.7
20°	129.2	125.7	110.9	117.7	79.0	59.0	25.8	16.5	14.8	17.8	18.4
22.5°	166.3	161.3	138.6	121.8	88.9	36.2	18.1	18.1	17.8	17.3	17.0
25°	213.8	205.0	185.8	127.6	70.5	23.9	19.8	16.2	14.5	13.4	13.4
27.5°	262.6	250.8	212.9	135.8	46.4	22.2	17.6	13.7	14.5	14.0	14.0
30°	333.9	317.7	248.1	127.0	30.2	20.6	14.8	13.4	11.8	11.3	11.0
32.5°	407.7	378.1	282.6	110.6	23.9	17.6	13.7	11.0	10.7	11.0	11.0
35°	454.9	427.2	319.9	80.4	20.9	15.4	11.3	10.2	9.3	9.1	9.1
37.5°	511.5	477.2	323.2	52.1	18.1	12.6	9.6	8.5	8.5	8.8	8.8
40°	579.2	541.7	310.1	32.1	15.6	10.4	8.2	7.7	7.4	7.4	7.4
42.5°	655.3	607.8	291.7	24.1	13.2	8.8	6.9	6.6	6.3	6.3	6.3
45°	736.5	674.5	266.4	20.0	11.0	7.4	5.8	5.5	5.5	5.2	5.2
47.5°	820.7	745.8	228.3	17.6	9.1	6.0	4.9	4.7	4.4	4.4	4.4
50°	892.9	811.1	181.6	15.1	7.7	5.2	3.8	3.6	3.6	3.3	3.3
52.5°	958.5	866.5	144.1	12.9	6.3	4.1	3.0	2.7	2.7	2.5	2.5
55°	1008.9	907.7	107.6	10.7	5.2	3.3	2.2	1.9	1.9	1.6	1.9
57.5°	1051.5	932.9	81.5	8.8	4.4	2.5	1.6	1.4	1.1	1.1	1.1
60°	1091.8	953.2	60.1	6.9	3.6	1.9	1.1	0.8	0.5	0.5	0.5
62.5°	1135.2	971.4	47.5	5.5	3.0	1.4	0.5	0.5	0.0	0.0	0.0
65°	1167.8	982.6	36.8	4.4	2.5	0.8	0.5	0.3	0.0	0.0	0.0
67.5°	1168.9	968.3	28.8	3.6	2.2	0.8	0.3	0.0	0.0	0.0	0.0
70°	1126.9	907.7	21.4	3.3	1.9	0.8	0.5	0.3	0.0	0.0	0.0
72.5°	976.6	712.6	15.4	2.7	1.6	0.8	0.5	0.3	0.3	0.0	0.0
75°	706.3	421.2	10.7	2.5	1.6	0.8	0.8	0.5	0.5	0.5	0.0
77.5°	362.2	175.1	7.1	2.2	1.4	0.5	1.1	0.8	0.8	0.8	0.3
80°	106.2	60.4	4.4	1.9	1.4	0.5	1.1	1.1	1.1	1.1	0.3
82.5°	20.3	11.8	2.7	1.9	1.4	0.5	1.1	1.1	1.1	1.4	0.0
85°	8.0	4.7	1.9	1.6	1.4	0.5	1.1	1.1	1.4	1.4	0.0
87.5°	2.7	2.2	1.6	1.4	1.4	0.5	1.1	1.1	1.1	1.4	0.3
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)