

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: P414321

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414321
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-PA1-20-750-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 2037 lumens
Efficiency: N/A
Efficacy: 97.0 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

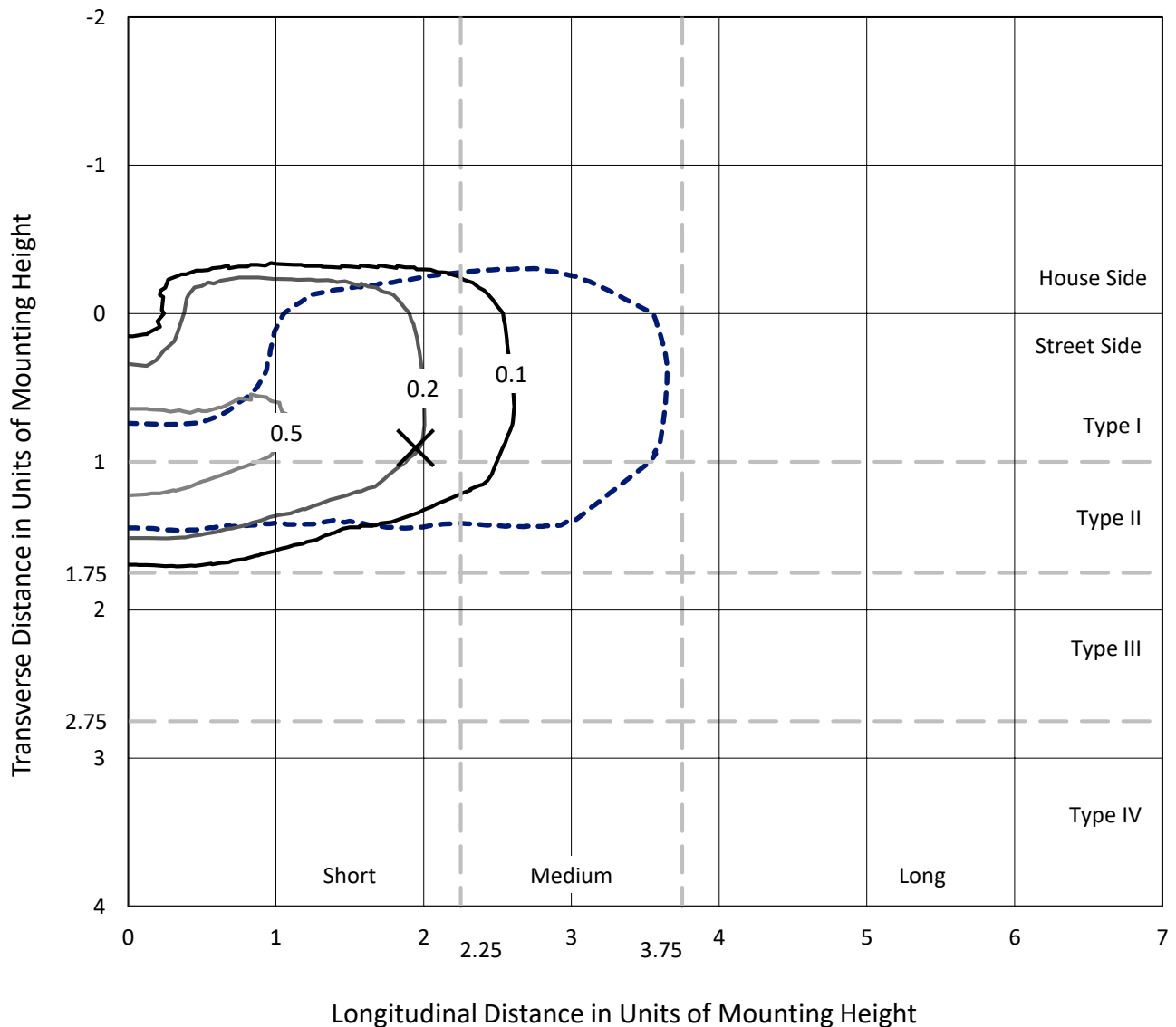
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

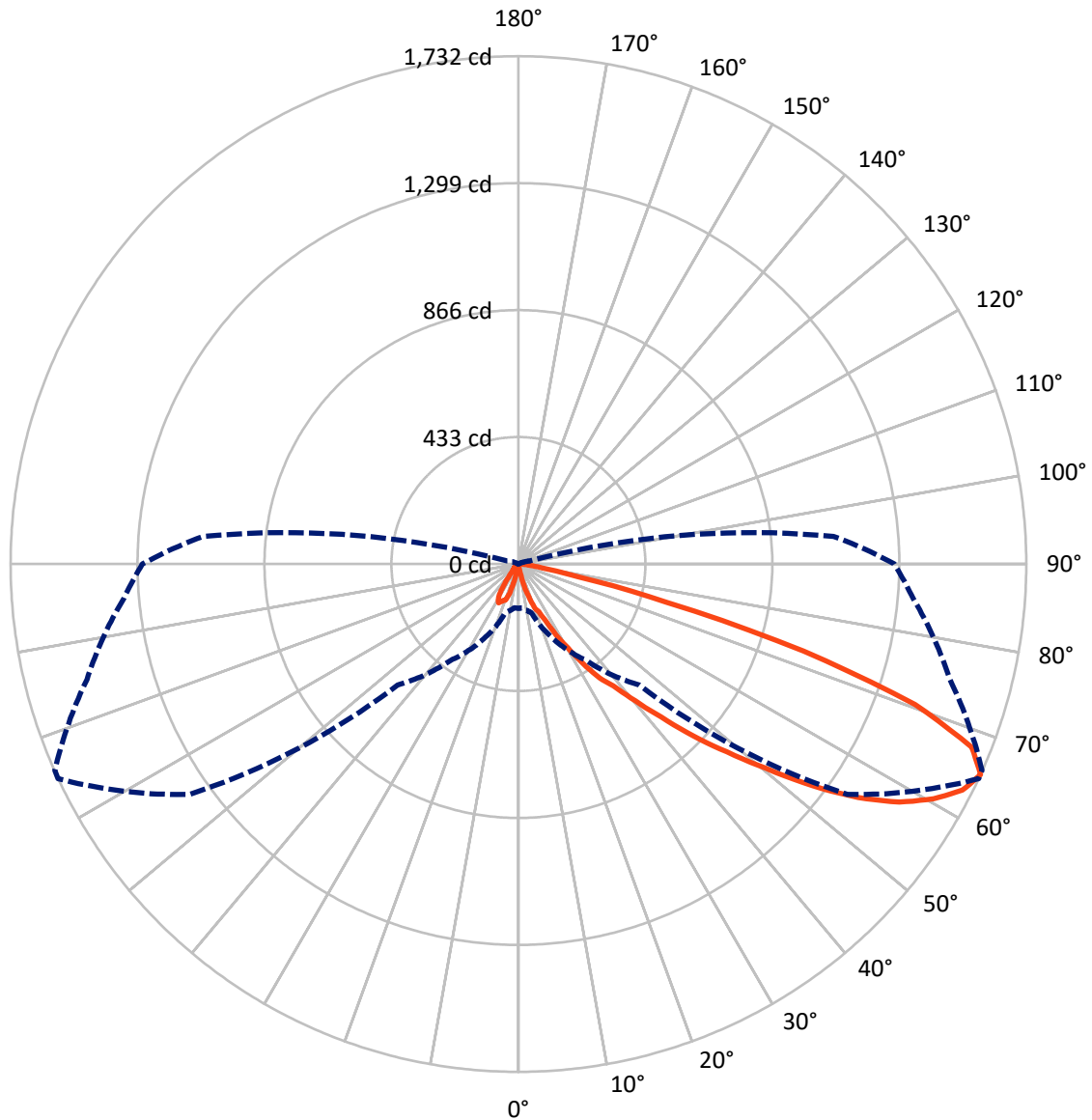
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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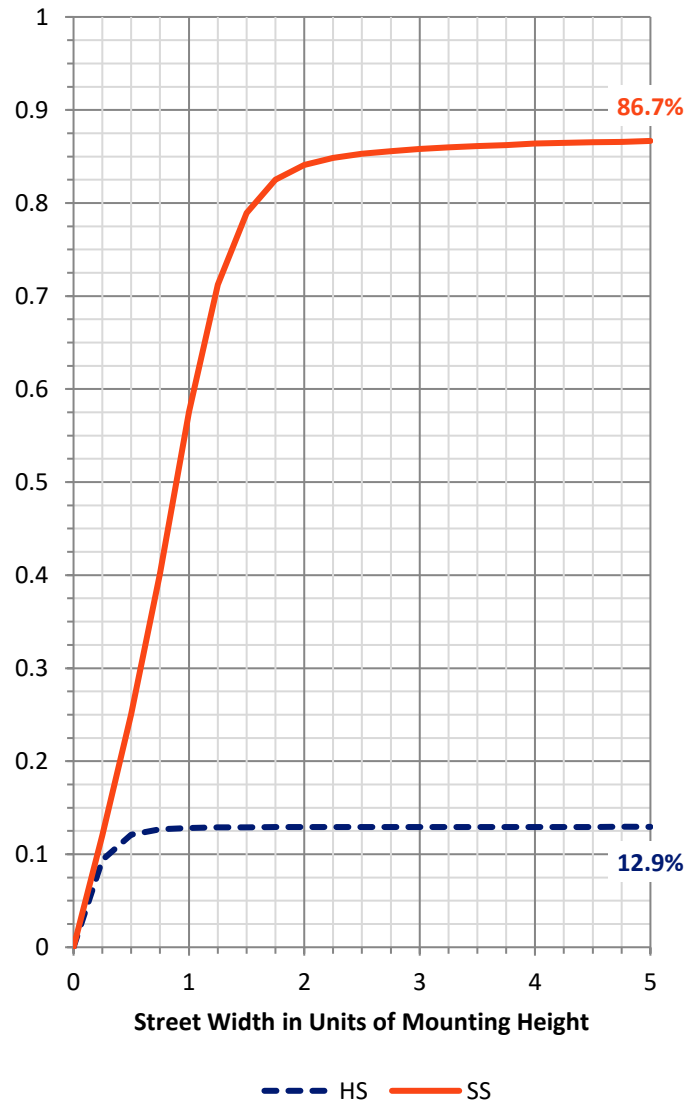
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	267.3	0.0	267.3
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1769.7	0.0	1769.7
	% Fixture	86.9	0.0	86.9
Total	Lumens	2037.0	0.0	2037.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	21.2	1.0
20°-30°	71.8	3.5
30°-40°	202.1	9.9
40°-50°	448.4	22.0
50°-60°	601.3	29.5
60°-70°	479.0	23.5
70°-80°	197.4	9.7
80°-90°	14.1	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°	2037.0	100.0
0°-180°	2037.0	100.0



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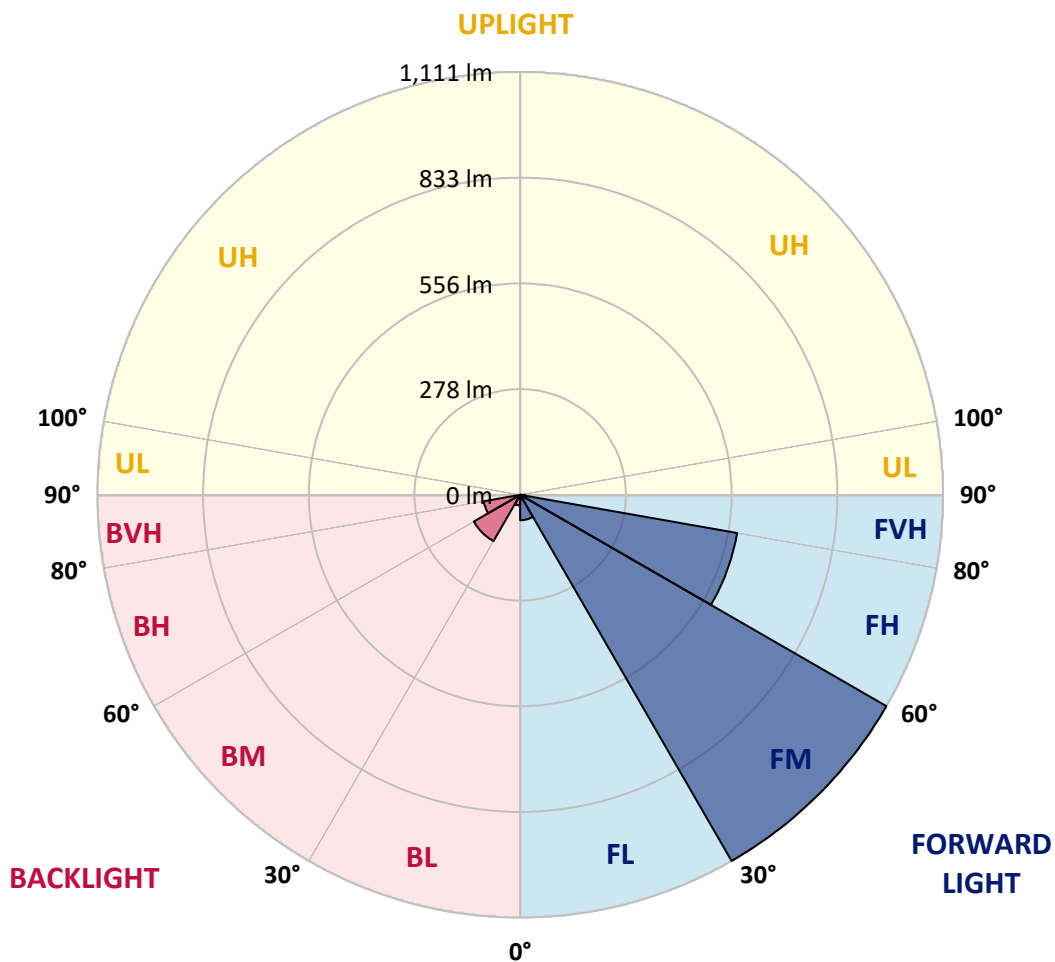
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.8	3.3			
FM (30°-60°)	1111.3	54.6			
FH (60°-80°)	579.0	28.4			G0/660
FVH (80°-90°)	12.6	0.6			G1/100
BL (0°-30°)	27.8	1.4	B0/110		
BM (30°-60°)	140.5	6.9	B0/220		
BH (60°-80°)	97.4	4.8	B0/110		G0/110
BVH (80°-90°)	1.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.3	0.3	0.3	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6
5°	8.7	8.1	6.0	3.3	1.8	1.2	0.9	0.6	0.6	0.6	0.6
7.5°	60.9	60.6	60.6	61.2	61.5	22.0	2.1	0.9	0.9	0.6	0.6
10°	58.5	58.2	58.2	59.1	60.0	60.3	57.9	1.5	1.2	0.6	0.6
12.5°	109.1	107.3	68.4	60.0	58.5	59.1	59.4	51.2	23.8	36.8	45.5
15°	109.4	108.5	109.4	110.9	88.6	61.8	90.1	88.0	88.0	64.8	88.9
17.5°	110.6	109.4	110.0	112.1	108.8	127.8	120.5	124.7	124.7	92.2	98.2
20°	163.3	163.0	165.4	121.1	135.3	158.5	131.4	161.2	164.2	137.1	141.9
22.5°	166.6	166.3	170.2	169.6	166.0	170.2	192.2	176.6	177.5	207.3	187.4
25°	232.0	226.6	183.8	180.5	218.2	202.2	230.5	212.7	210.9	250.7	237.7
27.5°	265.5	263.0	265.8	257.6	231.1	248.0	249.5	273.9	261.5	287.2	292.9
30°	322.7	324.2	310.7	297.1	302.8	287.8	300.1	333.0	331.4	325.4	369.4
32.5°	515.2	499.6	473.1	368.2	345.0	334.2	368.5	405.6	390.5	412.8	456.8
35°	681.9	646.9	602.9	528.2	428.5	399.5	441.4	477.9	468.5	513.4	510.7
37.5°	959.7	943.4	867.2	676.5	577.0	498.4	518.6	527.3	538.1	589.4	588.2
40°	1123.9	1105.2	1051.3	900.3	728.3	618.3	609.6	614.1	617.7	669.2	672.8
42.5°	1261.9	1253.5	1201.0	1056.4	915.7	812.6	731.0	713.2	719.8	772.0	765.0
45°	1355.6	1345.7	1298.4	1197.4	1080.8	1027.8	872.0	837.4	839.2	868.1	862.7
47.5°	1376.1	1364.4	1343.3	1287.2	1247.7	1204.7	1048.6	957.3	977.8	979.3	960.9
50°	1303.2	1288.7	1306.5	1293.2	1353.5	1375.2	1227.3	1097.1	1132.3	1100.1	1049.2
52.5°	1122.7	1127.2	1182.1	1222.1	1357.4	1494.5	1419.2	1257.4	1281.2	1199.8	1132.6
55°	891.6	902.7	993.4	1067.0	1265.2	1528.0	1558.1	1405.9	1415.3	1305.9	1200.1
57.5°	656.6	671.6	783.1	865.1	1086.5	1456.0	1626.2	1532.2	1550.6	1382.4	1247.1
60°	404.1	417.9	544.2	668.9	834.0	1248.9	1635.2	1626.8	1647.9	1436.4	1294.4
62.5°	246.2	257.9	313.1	464.6	599.3	944.0	1559.9	1699.4	1710.0	1490.9	1328.5
65°	151.6	149.5	171.7	282.3	399.8	583.6	1369.5	1732.3	1731.1	1523.7	1351.4
67.5°	100.3	102.1	110.6	155.2	272.4	315.5	982.0	1667.8	1661.8	1539.7	1342.4
70°	88.9	89.5	97.9	110.0	196.2	183.8	495.7	1435.8	1427.3	1496.6	1286.0
72.5°	69.6	71.7	85.6	99.7	141.6	134.7	186.8	1016.9	1027.8	1272.2	1131.7
75°	49.4	50.9	64.8	87.1	105.8	103.0	105.5	524.3	556.2	844.6	829.2
77.5°	31.0	32.2	41.9	64.5	89.8	75.9	73.8	205.8	230.5	413.1	414.9
80°	21.4	21.7	25.9	43.4	64.5	62.4	50.0	82.3	83.2	149.8	143.7
82.5°	12.7	12.7	17.2	26.8	39.5	50.9	32.2	41.3	42.8	55.4	31.6
85°	4.5	4.8	9.3	15.4	22.0	26.8	19.3	22.6	23.5	28.6	15.1
87.5°	0.3	0.6	3.0	4.8	6.0	5.4	6.3	6.9	7.8	9.3	5.4
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.6	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3
5°	0.6	0.6	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3
7.5°	0.6	0.6	0.9	0.9	0.9	0.6	8.4	47.0	49.1	50.6	50.9
10°	1.8	1.2	0.9	0.9	0.9	48.8	50.6	49.4	48.5	47.6	47.9
12.5°	46.1	46.1	41.9	27.1	45.5	50.0	47.3	44.3	41.9	39.2	39.5
15°	88.6	88.0	77.7	66.9	76.5	49.1	40.7	53.9	46.1	40.7	39.8
17.5°	98.5	95.5	83.5	106.7	94.9	56.0	47.0	31.9	22.9	20.8	20.5
20°	141.9	138.0	121.7	129.3	86.8	64.8	28.3	18.1	16.3	19.6	20.2
22.5°	182.6	177.2	152.2	133.8	97.6	39.8	19.9	19.9	19.6	19.0	18.7
25°	234.7	225.1	204.0	140.1	77.4	26.2	21.7	17.8	16.0	14.8	14.8
27.5°	288.4	275.4	233.8	149.2	50.9	24.4	19.3	15.1	16.0	15.4	15.4
30°	366.7	348.9	272.4	139.5	33.1	22.6	16.3	14.8	13.0	12.4	12.1
32.5°	447.8	415.2	310.4	121.4	26.2	19.3	15.1	12.1	11.8	12.1	12.1
35°	499.6	469.1	351.3	88.3	22.9	16.9	12.4	11.1	10.2	9.9	9.9
37.5°	561.7	524.0	354.9	57.2	19.9	13.9	10.5	9.3	9.3	9.6	9.6
40°	636.1	594.8	340.5	35.3	17.2	11.4	9.0	8.4	8.1	8.1	8.1
42.5°	719.5	667.4	320.3	26.5	14.5	9.6	7.5	7.2	6.9	6.9	6.9
45°	808.7	740.6	292.6	22.0	12.1	8.1	6.3	6.0	6.0	5.7	5.7
47.5°	901.2	819.0	250.7	19.3	9.9	6.6	5.4	5.1	4.8	4.8	4.8
50°	980.5	890.7	199.5	16.6	8.4	5.7	4.2	3.9	3.9	3.6	3.6
52.5°	1052.5	951.6	158.2	14.2	6.9	4.5	3.3	3.0	3.0	2.7	2.7
55°	1107.9	996.7	118.1	11.8	5.7	3.6	2.4	2.1	2.1	1.8	2.1
57.5°	1154.6	1024.5	89.5	9.6	4.8	2.7	1.8	1.5	1.2	1.2	1.2
60°	1198.9	1046.8	66.0	7.5	3.9	2.1	1.2	0.9	0.6	0.6	0.6
62.5°	1246.5	1066.7	52.1	6.0	3.3	1.5	0.6	0.6	0.0	0.0	0.0
65°	1282.4	1079.0	40.4	4.8	2.7	0.9	0.6	0.3	0.0	0.0	0.0
67.5°	1283.6	1063.3	31.6	3.9	2.4	0.9	0.3	0.0	0.0	0.0	0.0
70°	1237.5	996.7	23.5	3.6	2.1	0.9	0.6	0.3	0.0	0.0	0.0
72.5°	1072.4	782.5	16.9	3.0	1.8	0.9	0.6	0.3	0.3	0.0	0.0
75°	775.6	462.5	11.8	2.7	1.8	0.9	0.9	0.6	0.6	0.6	0.0
77.5°	397.7	192.2	7.8	2.4	1.5	0.6	1.2	0.9	0.9	0.9	0.3
80°	116.6	66.3	4.8	2.1	1.5	0.6	1.2	1.2	1.2	1.2	0.3
82.5°	22.3	13.0	3.0	2.1	1.5	0.6	1.2	1.2	1.2	1.5	0.0
85°	8.7	5.1	2.1	1.8	1.5	0.6	1.2	1.2	1.5	1.5	0.0
87.5°	3.0	2.4	1.8	1.5	1.5	0.6	1.2	1.2	1.2	1.5	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)