

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: P414462

Luminaire Tested: **LXF.LXT-PA1-20-830-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2203 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

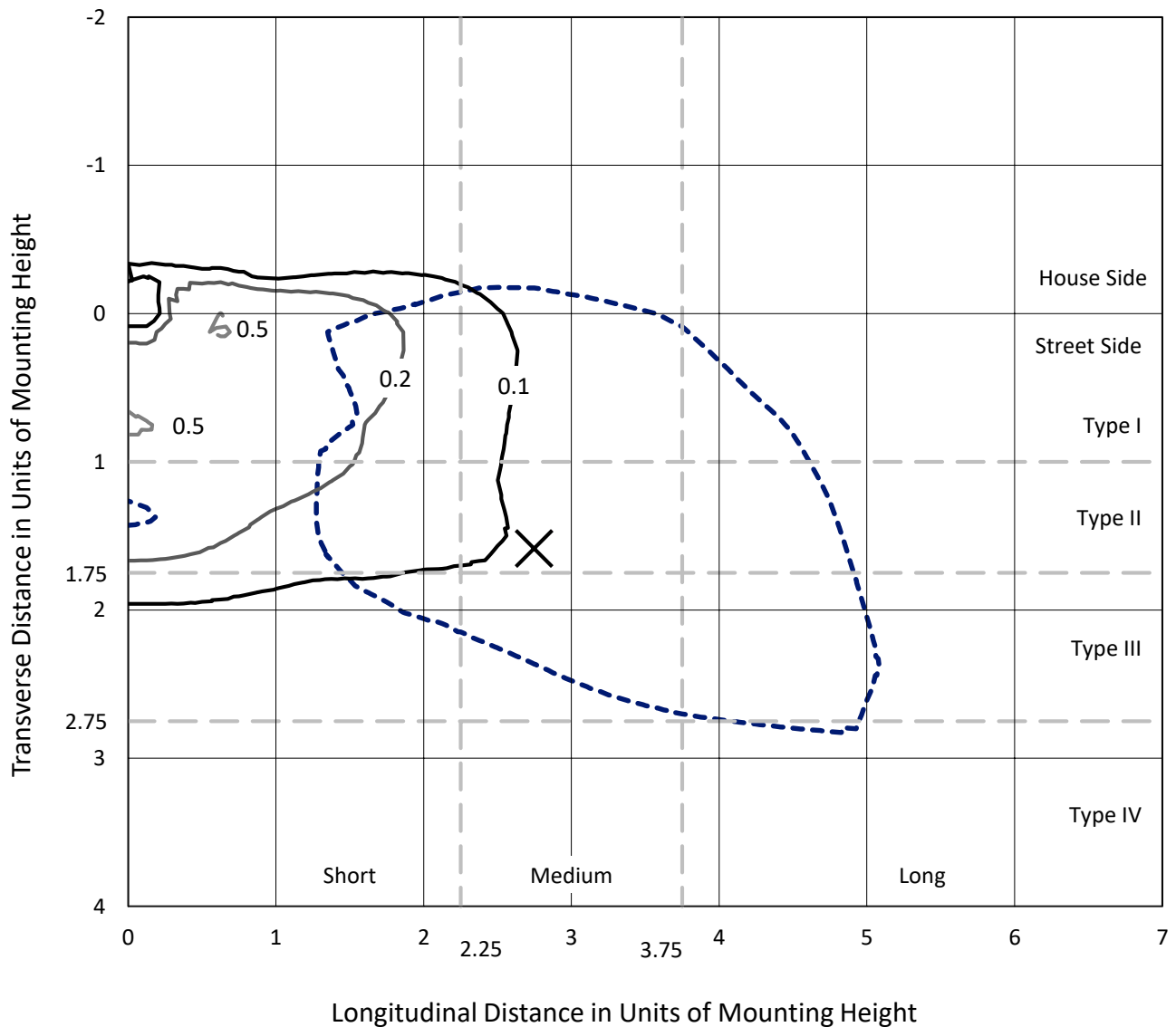
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

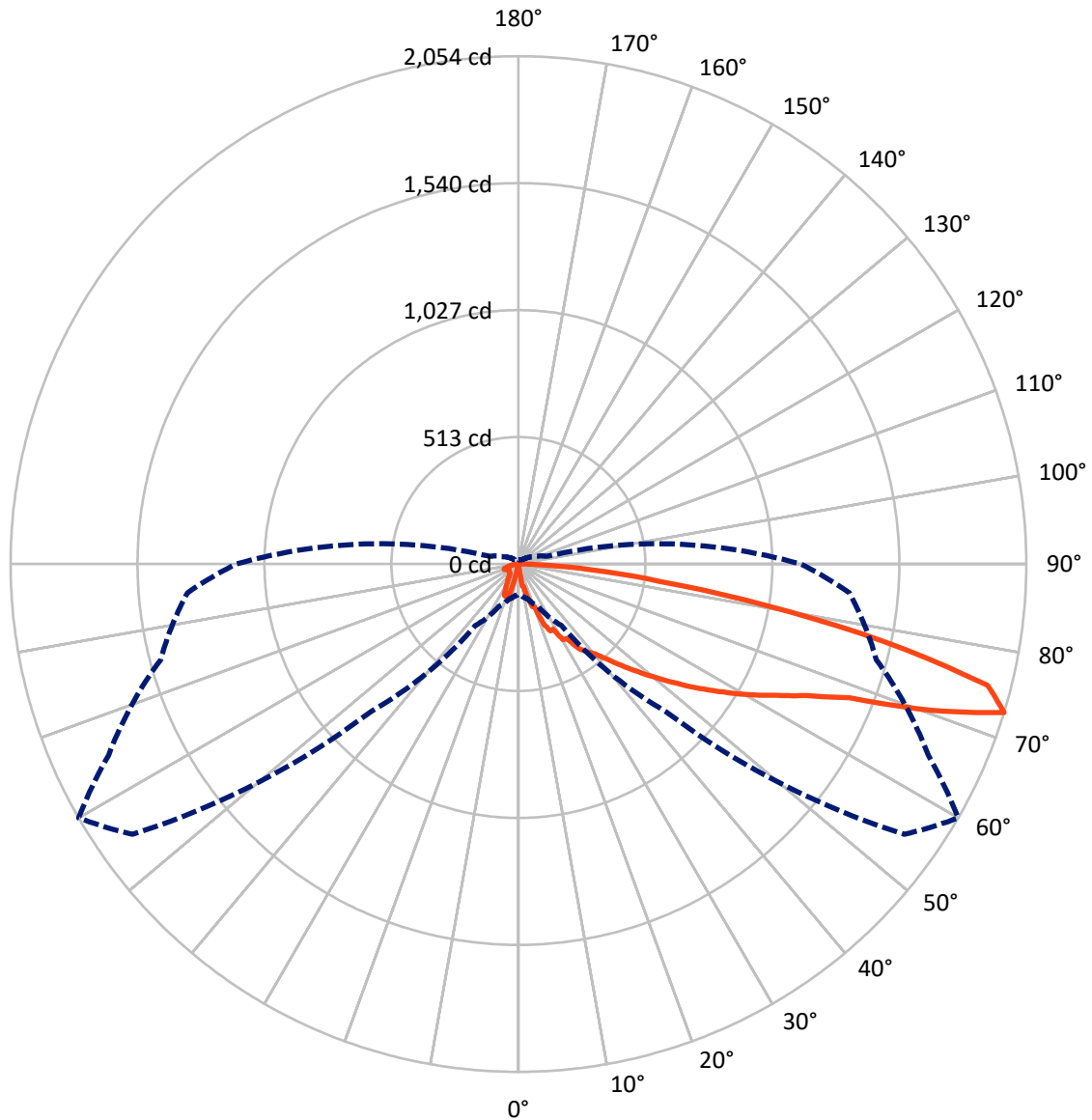


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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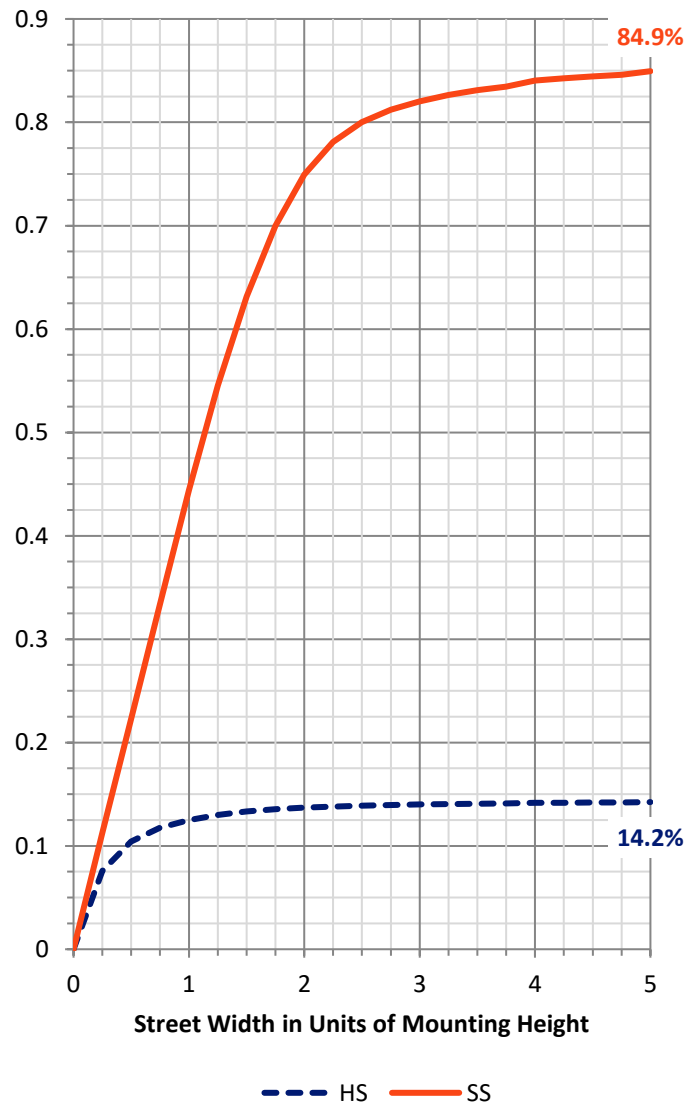
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	317.3	0.0	317.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	1885.7	0.0	1885.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	2203.0	0.0	2203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	32.1	1.5
20°-30°	96.7	4.4
30°-40°	191.3	8.7
40°-50°	316.9	14.4
50°-60°	473.3	21.5
60°-70°	563.1	25.6
70°-80°	450.8	20.5
80°-90°	76.5	3.5
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°	2203.0	100.0
0°-180°	2203.0	100.0

Coefficient of Utilization



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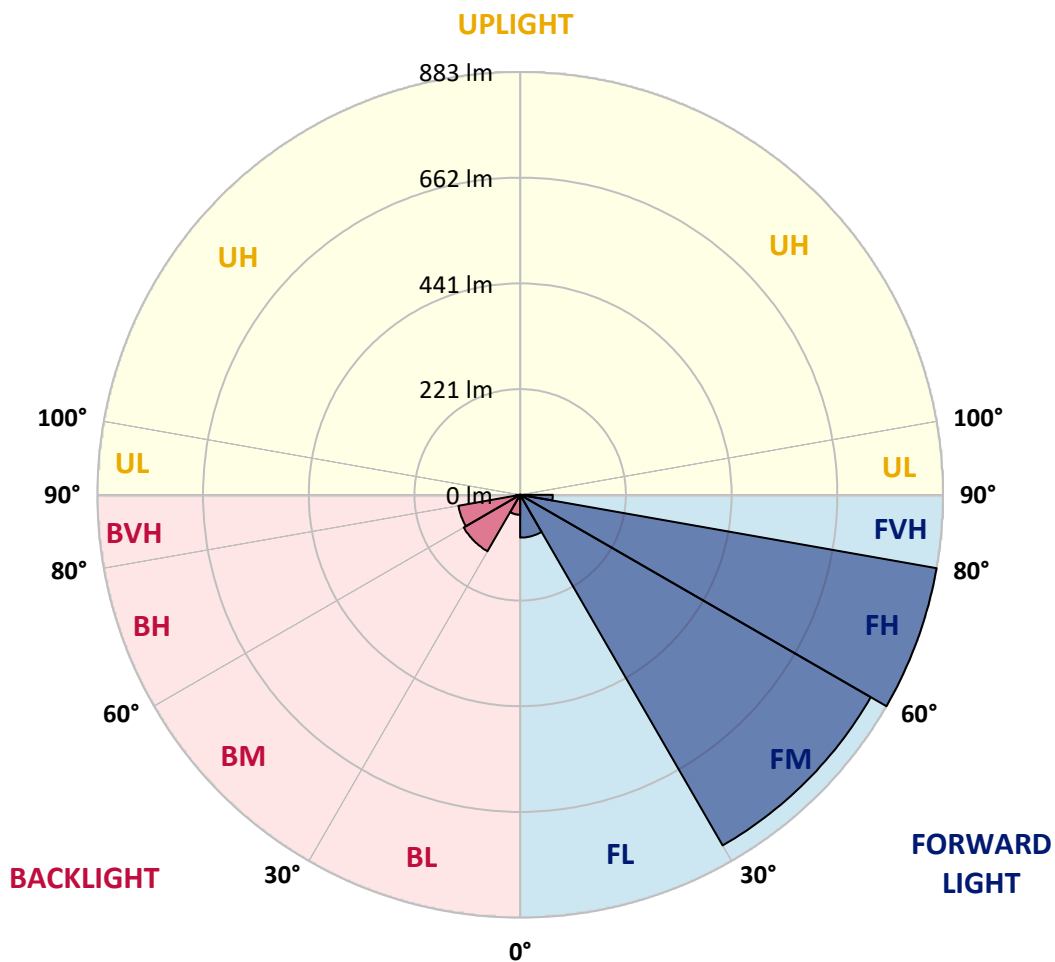
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.4	4.1			
FM	(30°-60°)	845.4	38.4			
FH	(60°-80°)	882.9	40.1			G1/1800
FVH	(80°-90°)	68.1	3.1			G1/100
BL	(0°-30°)	41.7	1.9	B0/110		
BM	(30°-60°)	136.1	6.2	B0/220		
BH	(60°-80°)	131.0	5.9	B1/500		G1/500
BVH	(80°-90°)	8.4	0.4			G0/10
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°	60°	65°	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°	1.2	1.2	1.4	1.7	1.7	1.4	1.2	1.2	1.2	1.0	1.2
5°	82.3	41.5	27.8	13.2	9.8	4.8	1.9	1.4	1.4	1.2	1.2
7.5°	94.6	94.6	94.8	95.8	96.5	97.0	12.0	6.2	2.4	1.2	1.2
10°	91.2	90.5	91.0	91.9	92.9	94.3	96.0	91.2	10.8	1.9	1.4
12.5°	168.5	168.0	162.2	98.9	91.7	91.7	94.1	94.3	74.2	7.2	7.0
15°	162.5	162.2	163.0	164.6	167.3	94.8	96.2	140.2	182.6	128.6	149.5
17.5°	167.0	165.1	160.8	159.8	162.2	152.4	179.3	181.4	185.5	147.8	151.4
20°	229.2	228.5	228.5	192.5	158.6	221.8	210.5	181.7	186.5	213.8	267.8
22.5°	228.5	227.3	225.6	225.4	258.5	215.8	219.1	262.8	273.4	313.4	302.6
25°	310.6	307.4	260.4	227.0	256.8	241.7	292.8	300.5	277.9	325.2	309.6
27.5°	337.2	331.2	316.3	289.9	258.7	293.8	292.3	298.6	306.5	444.5	425.5
30°	457.9	429.6	349.9	336.7	309.4	297.4	333.1	355.0	387.1	435.4	443.3
32.5°	512.4	502.1	463.2	414.5	361.4	321.1	364.3	358.8	390.0	529.2	568.3
35°	630.0	617.3	510.7	466.8	420.2	393.6	374.6	419.0	457.4	550.3	579.1
37.5°	653.0	650.2	625.4	546.7	484.3	432.7	438.5	450.5	475.4	579.8	609.6
40°	671.0	671.3	678.5	610.6	543.4	495.6	478.3	478.6	499.9	628.3	648.7
42.5°	718.6	720.5	739.9	667.4	614.9	569.0	539.0	525.8	542.2	684.0	696.7
45°	804.2	799.9	816.5	726.0	668.6	629.3	605.3	585.1	593.8	743.3	757.9
47.5°	912.0	902.9	897.4	799.0	727.2	693.4	671.0	649.9	652.6	799.9	828.0
50°	995.3	990.7	962.2	854.2	777.6	757.9	748.6	722.4	711.1	863.0	908.2
52.5°	1030.8	1026.5	991.2	895.9	817.4	819.6	835.9	801.8	770.2	931.4	984.5
55°	1024.6	1021.0	997.7	916.6	846.2	879.1	921.8	887.8	846.7	996.0	1062.2
57.5°	978.5	980.2	979.9	918.0	868.3	935.0	1005.8	976.6	927.8	1060.1	1125.4
60°	876.7	885.6	918.7	907.7	896.4	987.8	1087.4	1073.8	1022.2	1130.4	1183.7
62.5°	702.2	719.8	792.2	851.3	919.0	1061.8	1167.1	1168.8	1119.8	1184.9	1228.8
65°	473.8	472.3	580.3	726.7	892.3	1177.9	1286.1	1282.8	1210.3	1247.0	1295.3
67.5°	263.3	269.0	339.8	481.0	789.8	1249.9	1514.6	1442.6	1335.1	1341.8	1388.6
70°	163.0	169.9	193.7	268.8	505.7	1165.9	1808.1	1774.5	1565.7	1467.6	1426.3
72.5°	123.8	127.7	146.9	190.6	304.3	843.4	1905.6	2053.9	1828.8	1498.5	1344.2
75°	73.9	78.5	104.6	164.6	253.7	436.6	1652.1	1959.8	1912.3	1478.9	1173.1
77.5°	46.1	47.3	56.4	115.0	233.8	274.8	1131.8	1518.0	1558.5	1252.6	829.0
80°	35.3	35.5	38.9	61.2	188.9	260.2	655.4	1013.8	993.6	668.9	325.7
82.5°	22.3	23.8	30.2	37.4	89.8	253.7	387.4	577.2	508.1	181.0	90.7
85°	11.3	12.7	21.4	25.7	43.4	274.8	274.8	295.9	208.1	60.7	34.3
87.5°	1.9	1.9	2.9	6.7	8.6	46.6	76.8	67.0	44.2	8.2	6.7
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.2	1.2	1.2	1.0	0.7	0.5	0.2	0.2	0.2	0.5	0.5
5°	1.2	1.2	1.2	1.0	0.7	0.5	0.2	0.2	0.5	0.7	0.7
7.5°	1.2	1.2	1.2	1.0	0.7	0.7	0.5	1.0	2.2	28.1	19.0
10°	1.4	1.4	1.4	1.2	1.0	2.6	82.1	86.6	86.9	86.4	85.4
12.5°	7.7	8.4	6.2	2.2	8.9	82.3	79.0	75.1	73.7	72.0	72.0
15°	151.7	149.8	141.4	104.2	63.8	73.4	66.0	61.0	94.6	93.4	94.3
17.5°	152.2	148.8	136.8	149.0	138.2	66.0	74.9	81.4	76.8	75.1	75.8
20°	288.7	273.1	138.7	139.0	118.6	117.1	63.6	60.0	60.7	62.2	62.6
22.5°	294.0	276.0	212.9	180.0	101.8	93.8	65.0	52.1	77.0	85.7	86.6
25°	296.4	273.8	201.1	159.4	115.0	70.3	62.9	57.1	70.3	79.0	79.4
27.5°	419.0	379.7	274.8	135.4	88.8	61.7	58.8	53.8	63.1	78.2	78.5
30°	415.4	369.1	254.6	131.0	68.6	56.9	50.9	56.2	59.5	63.6	63.6
32.5°	540.2	473.8	282.5	105.6	57.6	47.3	48.0	51.1	51.4	60.7	61.4
35°	540.5	463.4	243.4	96.5	49.4	43.2	43.9	47.3	52.3	58.3	59.3
37.5°	548.9	458.9	209.8	75.1	49.4	43.2	41.8	45.1	48.7	57.1	58.1
40°	566.6	460.8	177.8	62.4	47.8	42.5	41.3	43.9	48.2	53.0	53.5
42.5°	596.9	471.6	147.6	56.4	46.6	42.5	39.6	41.5	43.9	53.8	54.7
45°	644.9	494.6	124.3	54.0	46.1	40.8	37.7	38.2	39.8	63.6	66.2
47.5°	701.0	526.6	104.2	52.8	45.4	39.1	34.8	35.3	39.1	72.2	75.8
50°	765.8	573.8	92.2	52.6	44.6	36.7	32.6	35.3	43.2	72.0	73.7
52.5°	841.9	621.8	85.7	53.5	44.2	34.6	33.8	39.6	41.0	57.8	57.8
55°	910.3	675.1	86.2	54.2	42.7	34.6	34.8	33.6	32.4	39.8	40.1
57.5°	977.5	728.2	94.1	52.8	40.6	34.8	30.0	27.6	28.1	33.8	34.6
60°	1035.8	779.3	117.8	49.7	38.6	31.4	27.8	25.9	26.4	34.1	34.8
62.5°	1098.7	841.7	163.2	50.9	38.4	29.8	25.9	23.8	24.7	28.3	28.8
65°	1183.7	928.8	204.0	60.0	39.8	28.8	23.8	22.6	22.8	23.0	23.0
67.5°	1267.0	982.6	196.8	70.8	44.6	28.3	22.6	21.1	20.9	20.9	20.9
70°	1258.8	924.2	156.0	75.1	48.5	28.3	21.6	19.7	19.2	19.2	19.2
72.5°	1141.0	790.6	119.8	69.6	44.6	27.1	20.2	18.0	17.3	17.3	17.3
75°	970.8	634.1	100.6	60.5	36.5	23.3	17.8	16.1	15.6	15.6	15.4
77.5°	620.2	374.9	85.4	49.2	28.1	19.0	15.4	13.9	13.9	13.9	13.2
80°	248.9	164.9	66.5	38.9	21.8	15.1	12.7	12.0	11.8	11.5	10.8
82.5°	94.6	81.4	43.2	28.3	16.8	11.5	10.3	9.6	9.6	9.4	8.2
85°	33.8	31.7	19.9	16.3	10.3	7.2	7.9	7.2	7.0	6.2	5.3
87.5°	7.2	7.9	5.5	3.6	3.6	2.2	2.6	2.9	2.9	2.6	1.4
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)