

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: P414826

Luminaire Tested: **LXF.LXT-PA1-30-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414826
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-PA1-30-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA 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: 2858 lumens
Efficiency: N/A
Efficacy: 92.2 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

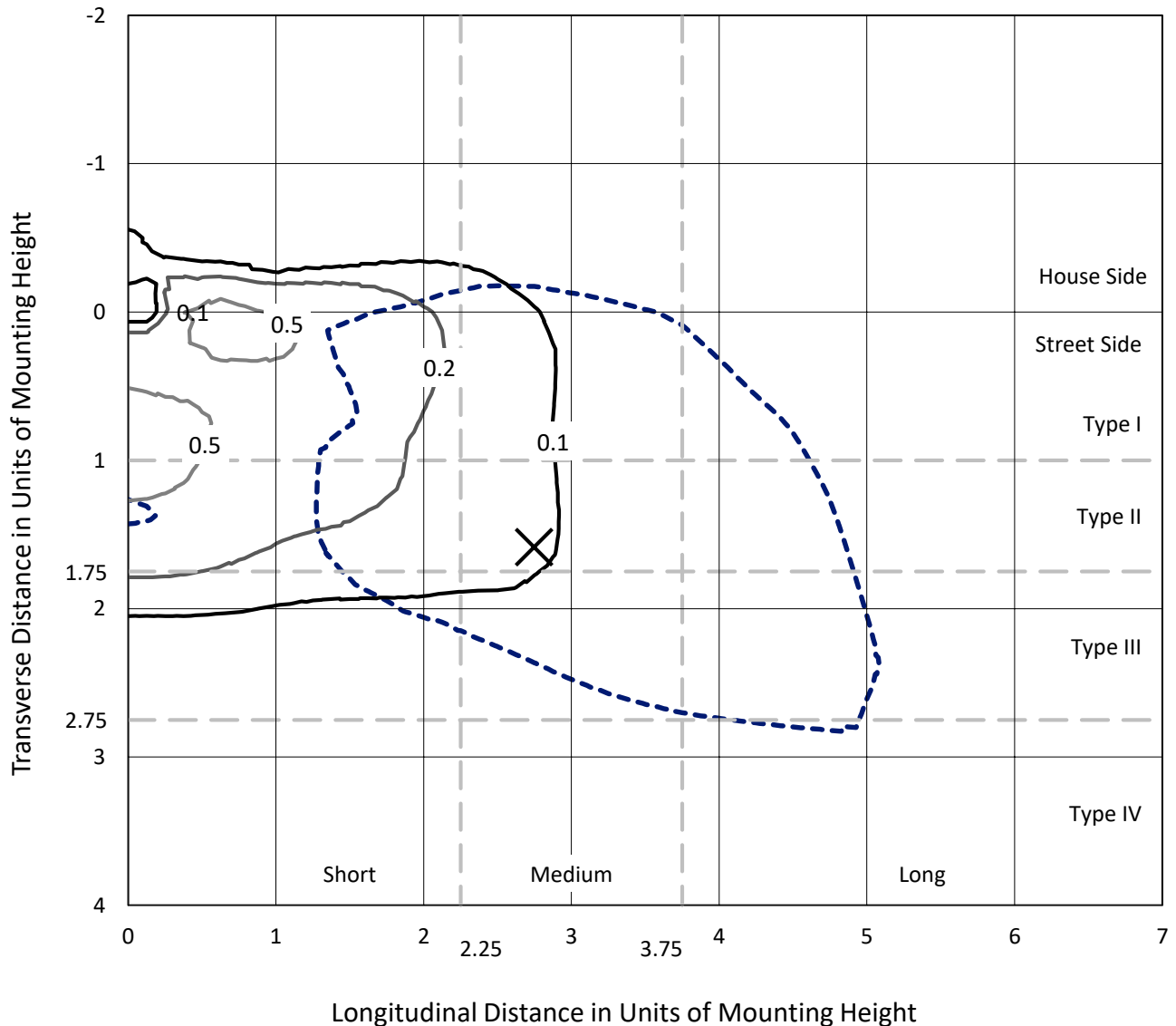
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

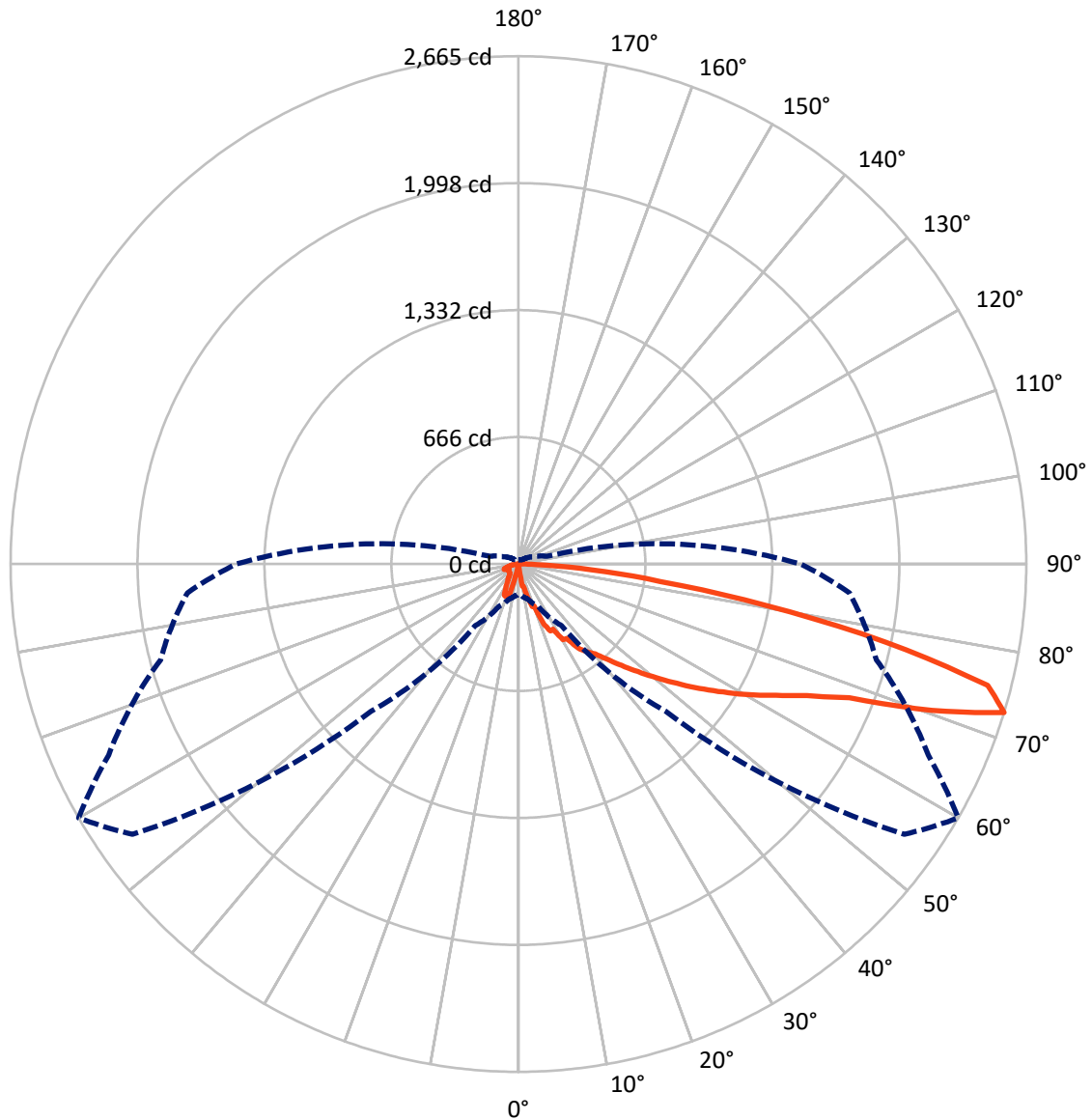
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type 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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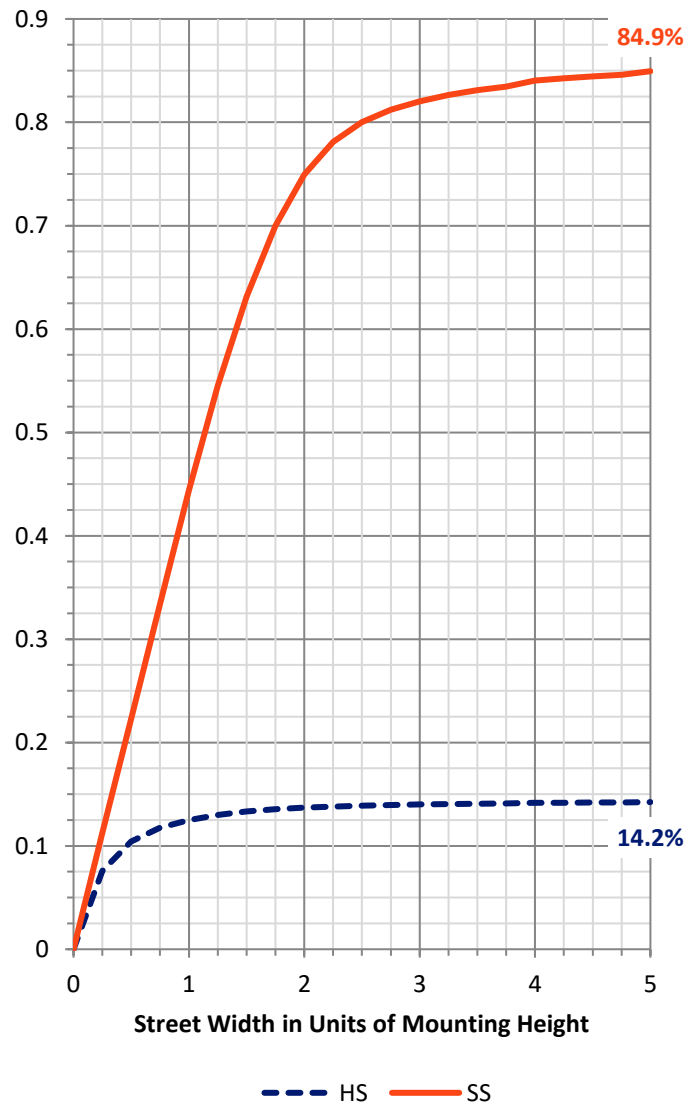
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	411.6	0.0	411.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2446.4	0.0	2446.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	2858.0	0.0	2858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	41.7	1.5
20°-30°	125.5	4.4
30°-40°	248.2	8.7
40°-50°	411.1	14.4
50°-60°	614.1	21.5
60°-70°	730.5	25.6
70°-80°	584.8	20.5
80°-90°	99.2	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°	2858.0	100.0
0°-180°	2858.0	100.0

Coefficient of Utilization



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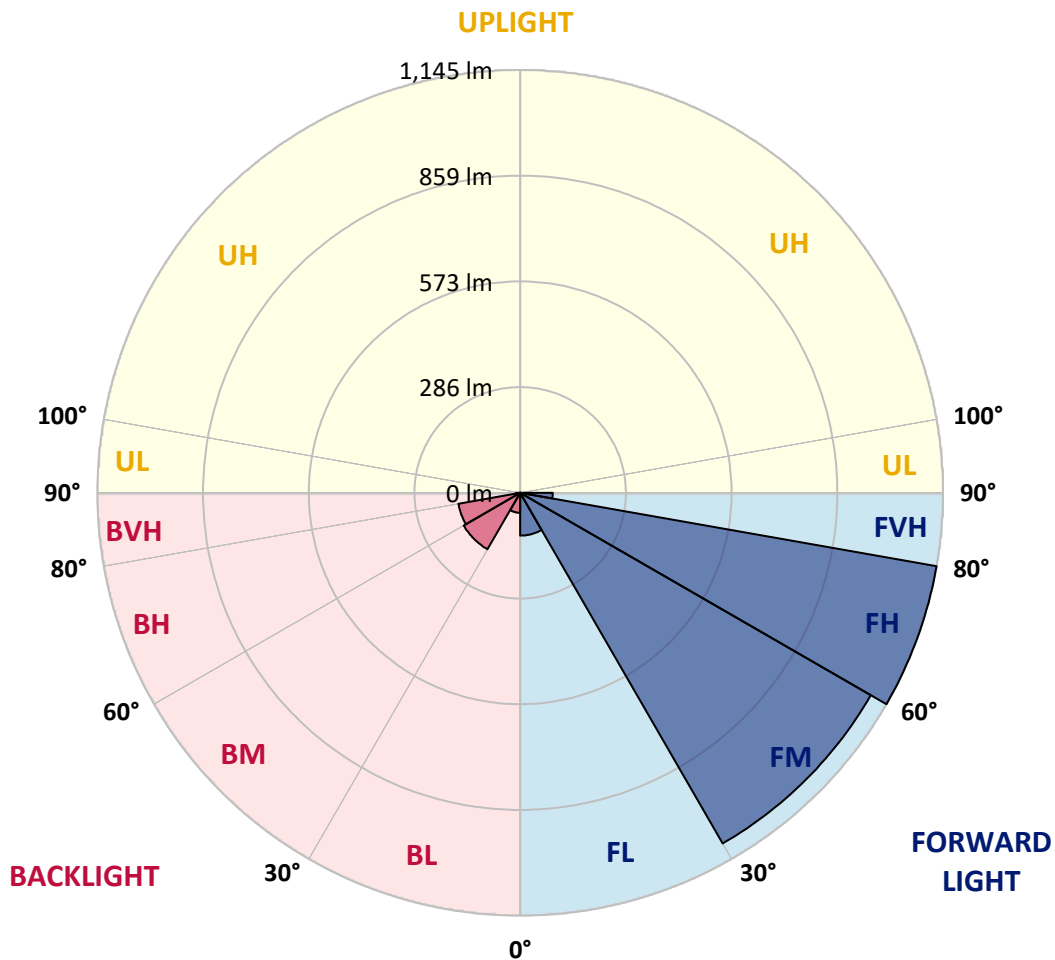
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.0	4.1			
FM	(30°-60°)	1096.7	38.4			
FH	(60°-80°)	1145.4	40.1			G1/1800
FVH	(80°-90°)	88.3	3.1			G1/100
BL	(0°-30°)	54.2	1.9	B0/110		
BM	(30°-60°)	176.6	6.2	B0/220		
BH	(60°-80°)	169.9	5.9	B1/500		G1/500
BVH	(80°-90°)	10.9	0.4			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°	60°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.6	1.6	1.9	2.2	2.2	1.9	1.6	1.6	1.6	1.2	1.6
5°	106.8	53.9	36.1	17.1	12.8	6.2	2.5	1.9	1.9	1.6	1.6
7.5°	122.7	122.7	123.0	124.2	125.2	125.8	15.6	8.1	3.1	1.6	1.6
10°	118.3	117.4	118.0	119.2	120.5	122.4	124.5	118.3	14.0	2.5	1.9
12.5°	218.6	217.9	210.5	128.3	118.9	118.9	122.1	122.4	96.2	9.3	9.0
15°	210.8	210.5	211.4	213.6	217.0	123.0	124.9	181.8	236.9	166.9	194.0
17.5°	216.7	214.2	208.6	207.4	210.5	197.7	232.6	235.4	240.7	191.8	196.5
20°	297.3	296.4	296.4	249.7	205.8	287.7	273.1	235.7	241.9	277.4	347.5
22.5°	296.4	294.9	292.7	292.4	335.3	279.9	284.3	340.9	354.6	406.6	392.6
25°	402.9	398.8	337.8	294.5	333.1	313.5	379.9	389.8	360.5	421.9	401.6
27.5°	437.5	429.7	410.4	376.1	335.6	381.1	379.2	387.3	397.6	576.6	552.0
30°	594.1	557.3	454.0	436.8	401.3	385.8	432.2	460.5	502.2	564.8	575.1
32.5°	664.7	651.4	600.9	537.7	468.9	416.6	472.6	465.5	506.0	686.5	737.3
35°	817.3	800.8	662.6	605.6	545.2	510.6	486.0	543.6	593.4	713.9	751.3
37.5°	847.2	843.5	811.4	709.3	628.3	561.4	568.8	584.4	616.8	752.2	790.8
40°	870.5	870.9	880.2	792.1	704.9	642.9	620.5	620.8	648.6	815.1	841.6
42.5°	932.2	934.7	959.9	865.9	797.7	738.2	699.3	682.2	703.4	887.4	903.9
45°	1043.3	1037.7	1059.2	941.8	867.4	816.4	785.2	759.1	770.3	964.3	983.3
47.5°	1183.1	1171.3	1164.2	1036.5	943.4	899.5	870.5	843.1	846.6	1037.7	1074.2
50°	1291.2	1285.3	1248.2	1108.1	1008.8	983.3	971.1	937.2	922.5	1119.6	1178.2
52.5°	1337.3	1331.7	1285.9	1162.3	1060.5	1063.3	1084.4	1040.2	999.1	1208.4	1277.2
55°	1329.2	1324.5	1294.3	1189.1	1097.8	1140.5	1195.9	1151.7	1098.5	1292.1	1378.1
57.5°	1269.4	1271.6	1271.3	1190.9	1126.5	1213.0	1304.9	1266.9	1203.7	1375.3	1459.9
60°	1137.4	1148.9	1191.9	1177.5	1162.9	1281.5	1410.7	1393.0	1326.1	1466.5	1535.6
62.5°	911.0	933.8	1027.8	1104.4	1192.2	1377.4	1514.1	1516.3	1452.8	1537.2	1594.1
65°	614.6	612.7	752.9	942.8	1157.6	1528.1	1668.6	1664.2	1570.2	1617.8	1680.4
67.5°	341.6	349.0	440.9	624.0	1024.7	1621.5	1965.0	1871.6	1732.1	1740.8	1801.5
70°	211.4	220.4	251.3	348.7	656.0	1512.6	2345.7	2302.2	2031.3	1903.9	1850.4
72.5°	160.7	165.6	190.5	247.2	394.8	1094.1	2472.2	2664.6	2372.5	1944.1	1743.9
75°	95.9	101.8	135.8	213.6	329.1	566.4	2143.4	2542.5	2480.9	1918.6	1521.9
77.5°	59.8	61.3	73.2	149.1	303.3	356.5	1468.3	1969.3	2021.9	1625.0	1075.4
80°	45.8	46.1	50.4	79.4	245.0	337.5	850.3	1315.2	1289.0	867.7	422.5
82.5°	29.0	30.8	39.2	48.6	116.4	329.1	502.5	748.8	659.1	234.8	117.7
85°	14.6	16.5	27.7	33.3	56.4	356.5	356.5	383.9	269.9	78.8	44.5
87.5°	2.5	2.5	3.7	8.7	11.2	60.4	99.6	86.9	57.3	10.6	8.7
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.6	1.6	1.6	1.2	0.9	0.6	0.3	0.3	0.3	0.6	0.6
5°	1.6	1.6	1.6	1.2	0.9	0.6	0.3	0.3	0.6	0.9	0.9
7.5°	1.6	1.6	1.6	1.2	0.9	0.9	0.6	1.2	2.8	36.4	24.6
10°	1.9	1.9	1.9	1.6	1.2	3.4	106.5	112.4	112.7	112.1	110.8
12.5°	10.0	10.9	8.1	2.8	11.5	106.8	102.4	97.5	95.6	93.4	93.4
15°	196.8	194.3	183.4	135.1	82.8	95.3	85.6	79.1	122.7	121.1	122.4
17.5°	197.4	193.0	177.5	193.4	179.3	85.6	97.1	105.5	99.6	97.5	98.4
20°	374.6	354.3	180.0	180.3	153.8	151.9	82.5	77.8	78.8	80.6	81.3
22.5°	381.4	358.1	276.2	233.5	132.0	121.7	84.4	67.6	99.9	111.2	112.4
25°	384.5	355.3	260.9	206.7	149.1	91.2	81.6	74.1	91.2	102.4	103.1
27.5°	543.6	492.6	356.5	175.6	115.2	80.0	76.3	69.7	81.9	101.5	101.8
30°	539.0	478.9	330.3	170.0	89.0	73.8	66.0	72.9	77.2	82.5	82.5
32.5°	700.9	614.6	366.5	137.0	74.7	61.3	62.3	66.3	66.6	78.8	79.7
35°	701.2	601.2	315.7	125.2	64.1	56.0	57.0	61.3	67.9	75.7	76.9
37.5°	712.1	595.3	272.1	97.5	64.1	56.0	54.2	58.5	63.2	74.1	75.3
40°	735.1	597.8	230.7	81.0	62.0	55.1	53.6	57.0	62.6	68.8	69.4
42.5°	774.3	611.8	191.5	73.2	60.4	55.1	51.4	53.9	57.0	69.7	71.0
45°	836.6	641.7	161.3	70.1	59.8	52.9	48.9	49.5	51.7	82.5	85.9
47.5°	909.5	683.1	135.1	68.5	58.8	50.8	45.1	45.8	50.8	93.7	98.4
50°	993.5	744.4	119.6	68.2	57.9	47.6	42.3	45.8	56.0	93.4	95.6
52.5°	1092.2	806.7	111.2	69.4	57.3	44.8	43.9	51.4	53.2	75.0	75.0
55°	1181.0	875.8	111.8	70.4	55.4	44.8	45.1	43.6	42.0	51.7	52.0
57.5°	1268.1	944.7	122.1	68.5	52.6	45.1	38.9	35.8	36.4	43.9	44.8
60°	1343.8	1011.0	152.9	64.5	50.1	40.8	36.1	33.6	34.2	44.2	45.1
62.5°	1425.4	1091.9	211.7	66.0	49.8	38.6	33.6	30.8	32.1	36.7	37.4
65°	1535.6	1204.9	264.7	77.8	51.7	37.4	30.8	29.3	29.6	29.9	29.9
67.5°	1643.6	1274.7	255.3	91.8	57.9	36.7	29.3	27.4	27.1	27.1	27.1
70°	1633.1	1199.0	202.4	97.5	62.9	36.7	28.0	25.5	24.9	24.9	24.9
72.5°	1480.2	1025.6	155.4	90.3	57.9	35.2	26.2	23.4	22.4	22.4	22.4
75°	1259.4	822.6	130.5	78.5	47.3	30.2	23.0	20.9	20.2	20.2	19.9
77.5°	804.5	486.3	110.8	63.8	36.4	24.6	19.9	18.1	18.1	18.1	17.1
80°	322.9	213.9	86.2	50.4	28.3	19.6	16.5	15.6	15.3	14.9	14.0
82.5°	122.7	105.5	56.0	36.7	21.8	14.9	13.4	12.5	12.5	12.1	10.6
85°	43.9	41.1	25.8	21.2	13.4	9.3	10.3	9.3	9.0	8.1	6.8
87.5°	9.3	10.3	7.2	4.7	4.7	2.8	3.4	3.7	3.7	3.4	1.9
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)