

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: P416245

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416245
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-PA1-70-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 5172 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

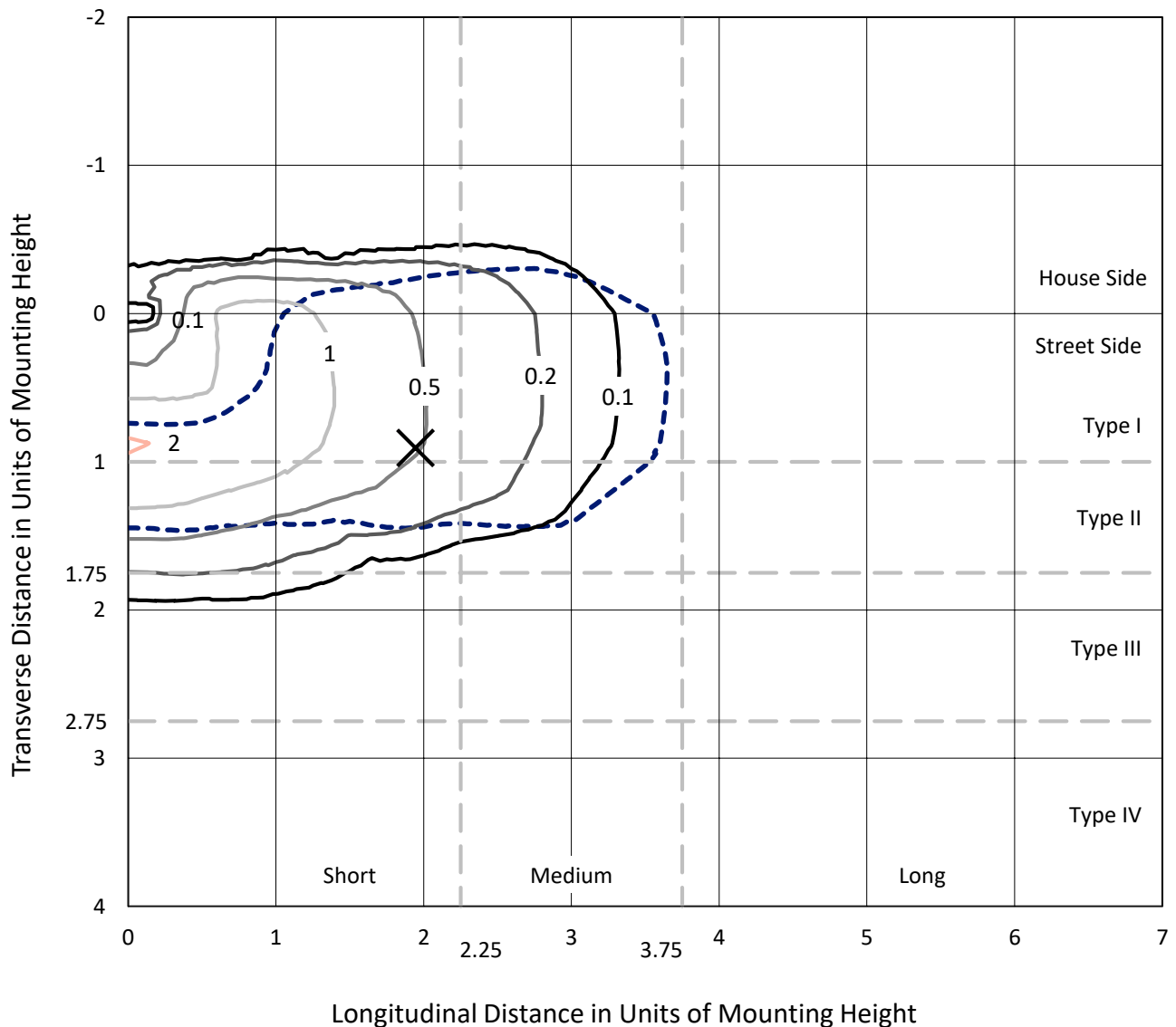
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

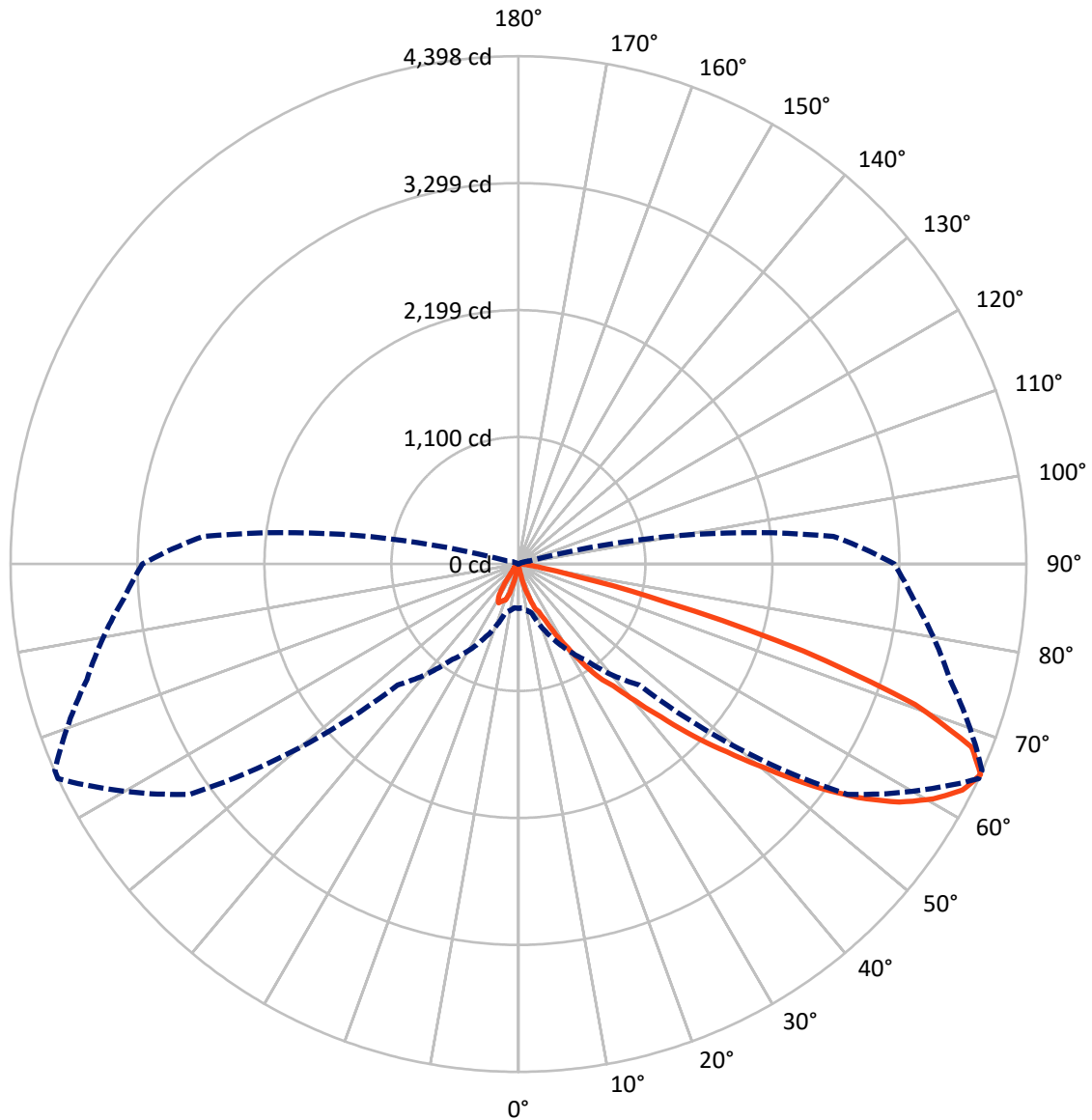
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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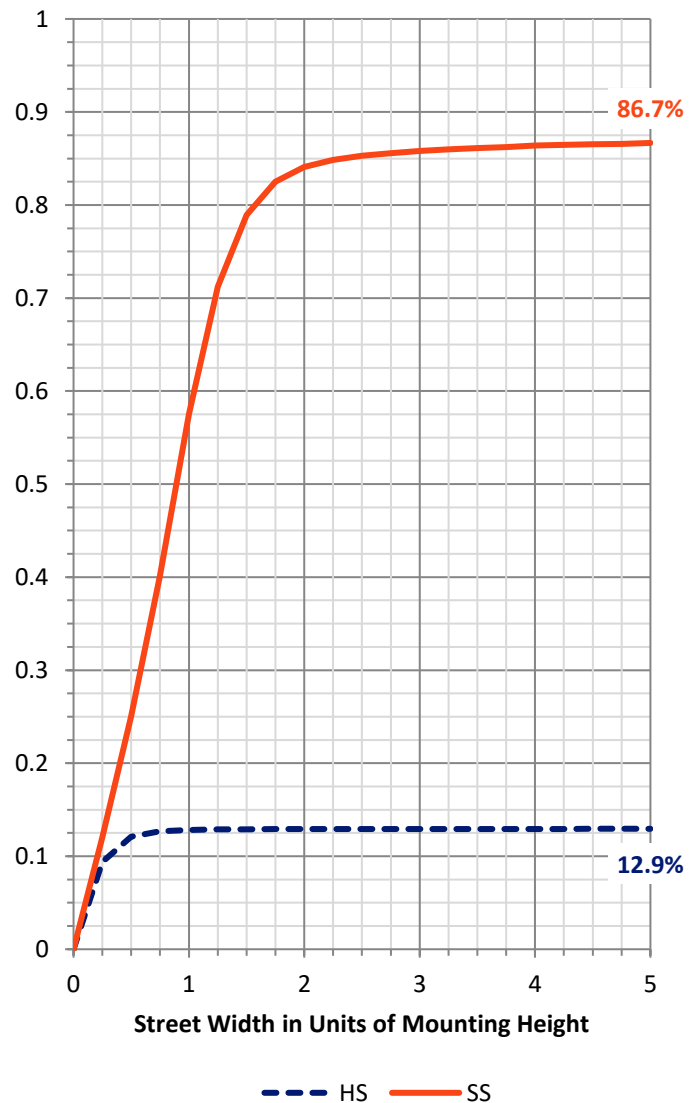
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	678.6	0.0	678.6
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4493.4	0.0	4493.4
	% Fixture	86.9	0.0	86.9
Total	Lumens	5172.0	0.0	5172.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	53.7	1.0
20°-30°	182.4	3.5
30°-40°	513.2	9.9
40°-50°	1138.6	22.0
50°-60°	1526.7	29.5
60°-70°	1216.3	23.5
70°-80°	501.1	9.7
80°-90°	35.9	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°	5172.0	100.0
0°-180°	5172.0	100.0



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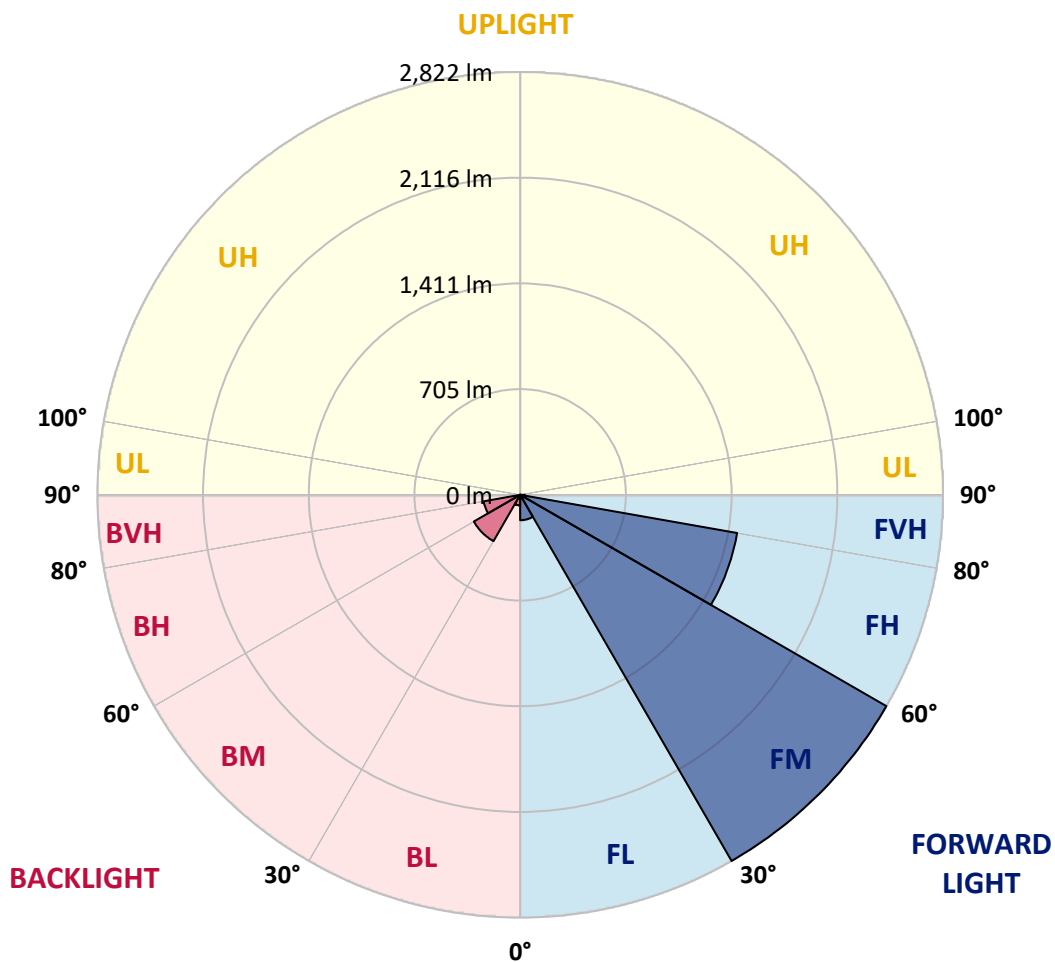
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.6	3.3			
FM	(30°-60°)	2821.7	54.6			
FH	(60°-80°)	1470.2	28.4			G1/1800
FVH	(80°-90°)	31.9	0.6			G1/100
BL	(0°-30°)	70.6	1.4	B0/110		
BM	(30°-60°)	356.9	6.9	B1/1000		
BH	(60°-80°)	247.2	4.8	B1/500		G1/500
BVH	(80°-90°)	4.0	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.8	0.8	0.8	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5
5°	22.2	20.7	15.3	8.4	4.6	3.1	2.3	1.5	1.5	1.5	1.5
7.5°	154.5	153.8	153.8	155.3	156.1	55.8	5.4	2.3	2.3	1.5	1.5
10°	148.4	147.7	147.7	149.9	152.2	153.0	146.9	3.8	3.1	1.5	1.5
12.5°	276.9	272.4	173.7	152.2	148.4	149.9	150.7	130.1	60.4	93.3	115.5
15°	277.7	275.4	277.7	281.5	224.9	156.8	228.7	223.4	223.4	164.5	225.7
17.5°	280.8	277.7	279.2	284.6	276.2	324.4	306.0	316.7	316.7	234.1	249.4
20°	414.7	413.9	420.0	307.5	343.5	402.4	333.6	409.3	417.0	348.1	360.3
22.5°	423.1	422.3	432.3	430.7	421.5	432.3	488.1	448.3	450.6	526.4	475.9
25°	589.1	575.3	466.7	458.3	553.9	513.3	585.3	540.1	535.5	636.5	603.6
27.5°	674.0	667.9	674.8	654.1	586.8	629.6	633.5	695.4	664.1	729.1	743.6
30°	819.4	823.2	788.8	754.3	768.9	730.6	762.0	845.4	841.6	826.2	937.9
32.5°	1308.2	1268.4	1201.1	934.9	876.0	848.4	935.7	1029.8	991.5	1048.1	1159.8
35°	1731.3	1642.6	1530.9	1341.1	1087.9	1014.5	1120.8	1213.4	1189.6	1303.6	1296.8
37.5°	2436.7	2395.4	2201.8	1717.5	1465.1	1265.4	1316.6	1338.8	1366.4	1496.4	1493.4
40°	2853.6	2806.2	2669.2	2286.0	1849.1	1569.9	1547.7	1559.2	1568.3	1699.2	1708.3
42.5°	3204.0	3182.6	3049.5	2682.3	2325.0	2063.3	1856.0	1810.9	1827.7	1960.0	1942.5
45°	3441.9	3416.7	3296.6	3040.3	2744.2	2609.6	2214.0	2126.1	2130.7	2204.1	2190.3
47.5°	3494.0	3464.1	3410.6	3268.3	3168.1	3058.7	2662.4	2430.6	2482.6	2486.4	2439.7
50°	3308.8	3272.1	3317.2	3283.6	3436.6	3491.7	3116.0	2785.5	2875.0	2793.2	2663.9
52.5°	2850.6	2862.0	3001.3	3103.0	3446.5	3794.6	3603.4	3192.5	3253.0	3046.4	2875.8
55°	2263.8	2292.1	2522.4	2709.0	3212.4	3879.5	3956.1	3569.7	3593.4	3315.7	3047.2
57.5°	1667.0	1705.3	1988.4	2196.4	2758.8	3696.7	4129.0	3890.3	3936.9	3510.0	3166.5
60°	1025.9	1061.1	1381.7	1698.4	2117.6	3171.1	4151.9	4130.5	4184.0	3647.0	3286.6
62.5°	625.0	654.9	794.9	1179.7	1521.7	2396.9	3960.6	4314.9	4341.6	3785.4	3373.1
65°	384.8	379.5	436.1	716.8	1015.2	1481.9	3477.1	4398.3	4395.2	3868.8	3431.2
67.5°	254.8	259.4	280.8	394.0	691.6	801.0	2493.3	4234.5	4219.2	3909.4	3408.3
70°	225.7	227.2	248.6	279.2	498.0	466.7	1258.5	3645.4	3624.0	3800.0	3265.2
72.5°	176.7	182.1	217.3	253.2	359.6	342.0	474.3	2582.0	2609.6	3230.0	2873.5
75°	125.5	129.3	164.5	221.1	268.5	261.6	267.8	1331.2	1412.3	2144.4	2105.4
77.5°	78.8	81.9	106.3	163.7	228.0	192.8	187.4	522.5	585.3	1048.9	1053.5
80°	54.3	55.1	65.8	110.2	163.7	158.4	127.0	208.9	211.2	380.2	364.9
82.5°	32.1	32.1	43.6	68.1	100.2	129.3	81.9	104.8	108.6	140.8	80.3
85°	11.5	12.2	23.7	39.0	55.8	68.1	49.0	57.4	59.7	72.7	38.3
87.5°	0.8	1.5	7.7	12.2	15.3	13.8	16.1	17.6	19.9	23.7	13.8
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8
5°	1.5	1.5	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8
7.5°	1.5	1.5	2.3	2.3	2.3	1.5	21.4	119.3	124.7	128.5	129.3
10°	4.6	3.1	2.3	2.3	2.3	123.9	128.5	125.5	123.2	120.9	121.6
12.5°	117.1	117.1	106.3	68.9	115.5	127.0	120.1	112.5	106.3	99.5	100.2
15°	224.9	223.4	197.4	169.8	194.3	124.7	103.3	136.9	117.1	103.3	101.0
17.5°	250.2	242.5	211.9	270.8	241.0	142.3	119.3	81.1	58.1	52.8	52.0
20°	360.3	350.4	309.1	328.2	220.3	164.5	71.9	45.9	41.3	49.7	51.3
22.5°	463.6	449.8	386.3	339.7	247.9	101.0	50.5	50.5	49.7	48.2	47.4
25°	596.0	571.5	517.9	355.7	196.6	66.6	55.1	45.1	40.5	37.5	37.5
27.5°	732.1	699.3	593.7	378.7	129.3	62.0	49.0	38.3	40.5	39.0	39.0
30°	931.1	885.9	691.6	354.2	84.2	57.4	41.3	37.5	32.9	31.4	30.6
32.5°	1136.9	1054.2	788.0	308.3	66.6	49.0	38.3	30.6	29.8	30.6	30.6
35°	1268.4	1191.2	892.0	224.2	58.1	42.8	31.4	28.3	26.0	25.2	25.2
37.5°	1426.0	1330.4	901.2	145.4	50.5	35.2	26.8	23.7	23.7	24.5	24.5
40°	1615.0	1510.2	864.5	89.5	43.6	29.1	23.0	21.4	20.7	20.7	20.7
42.5°	1826.9	1694.6	813.2	67.3	36.7	24.5	19.1	18.4	17.6	17.6	17.6
45°	2053.4	1880.5	742.9	55.8	30.6	20.7	16.1	15.3	15.3	14.5	14.5
47.5°	2288.3	2079.4	636.5	49.0	25.2	16.8	13.8	13.0	12.2	12.2	12.2
50°	2489.5	2261.5	506.5	42.1	21.4	14.5	10.7	9.9	9.9	9.2	9.2
52.5°	2672.3	2416.0	401.6	36.0	17.6	11.5	8.4	7.7	7.7	6.9	6.9
55°	2813.1	2530.8	299.9	29.8	14.5	9.2	6.1	5.4	5.4	4.6	5.4
57.5°	2931.7	2601.2	227.2	24.5	12.2	6.9	4.6	3.8	3.1	3.1	3.1
60°	3044.1	2657.8	167.5	19.1	9.9	5.4	3.1	2.3	1.5	1.5	1.5
62.5°	3165.0	2708.3	132.4	15.3	8.4	3.8	1.5	1.5	0.0	0.0	0.0
65°	3256.0	2739.6	102.5	12.2	6.9	2.3	1.5	0.8	0.0	0.0	0.0
67.5°	3259.1	2699.8	80.3	9.9	6.1	2.3	0.8	0.0	0.0	0.0	0.0
70°	3142.0	2530.8	59.7	9.2	5.4	2.3	1.5	0.8	0.0	0.0	0.0
72.5°	2722.8	1986.8	42.8	7.7	4.6	2.3	1.5	0.8	0.8	0.0	0.0
75°	1969.2	1174.3	29.8	6.9	4.6	2.3	2.3	1.5	1.5	1.5	0.0
77.5°	1009.9	488.1	19.9	6.1	3.8	1.5	3.1	2.3	2.3	2.3	0.8
80°	296.1	168.3	12.2	5.4	3.8	1.5	3.1	3.1	3.1	3.1	0.8
82.5°	56.6	32.9	7.7	5.4	3.8	1.5	3.1	3.1	3.1	3.8	0.0
85°	22.2	13.0	5.4	4.6	3.8	1.5	3.1	3.1	3.8	3.8	0.0
87.5°	7.7	6.1	4.6	3.8	3.8	1.5	3.1	3.1	3.1	3.8	0.8
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)