

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: P414009

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414009
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-PA1-100-827-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 5425 lumens
Efficiency: N/A
Efficacy: 56.5 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): 96
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

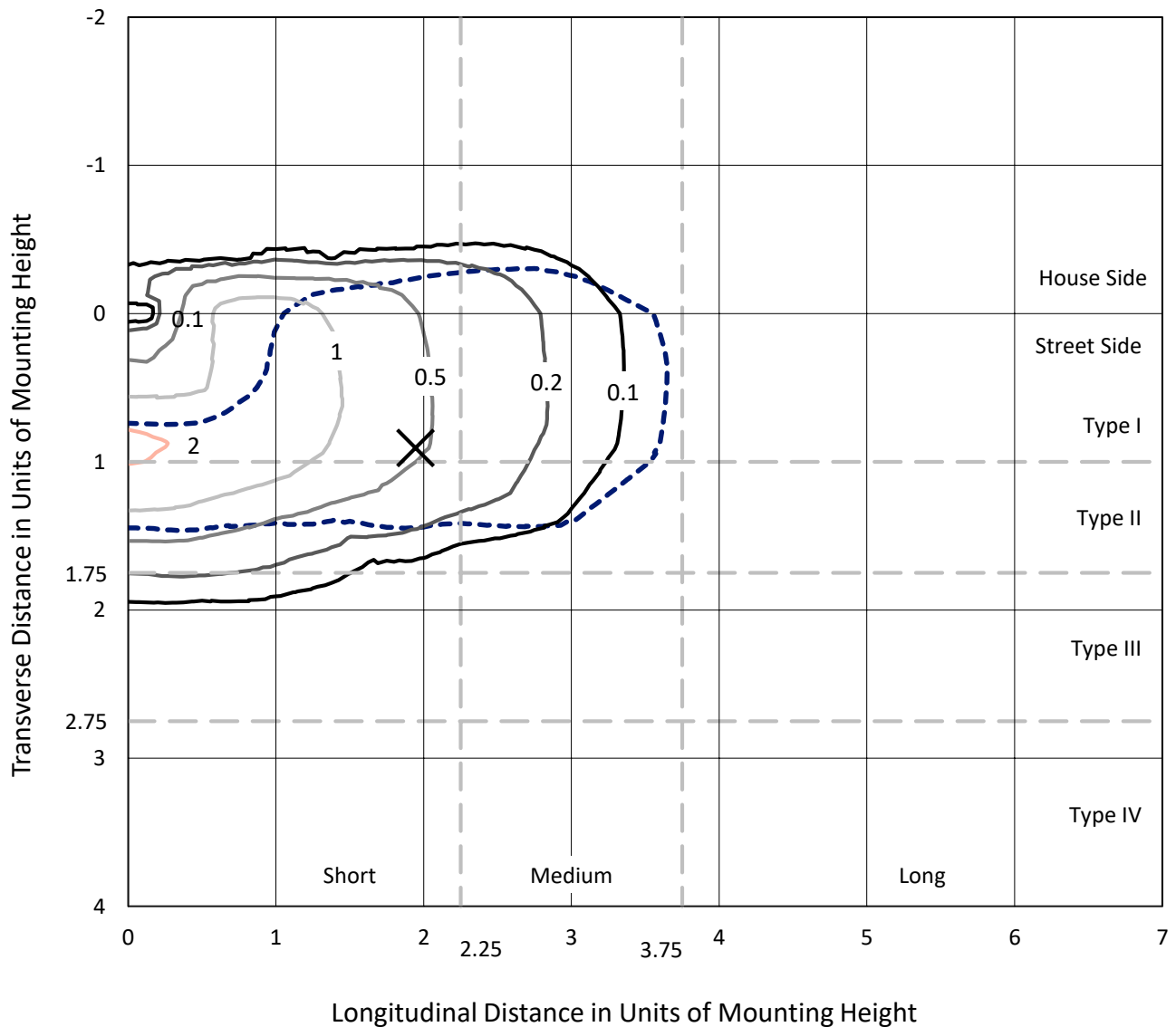


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

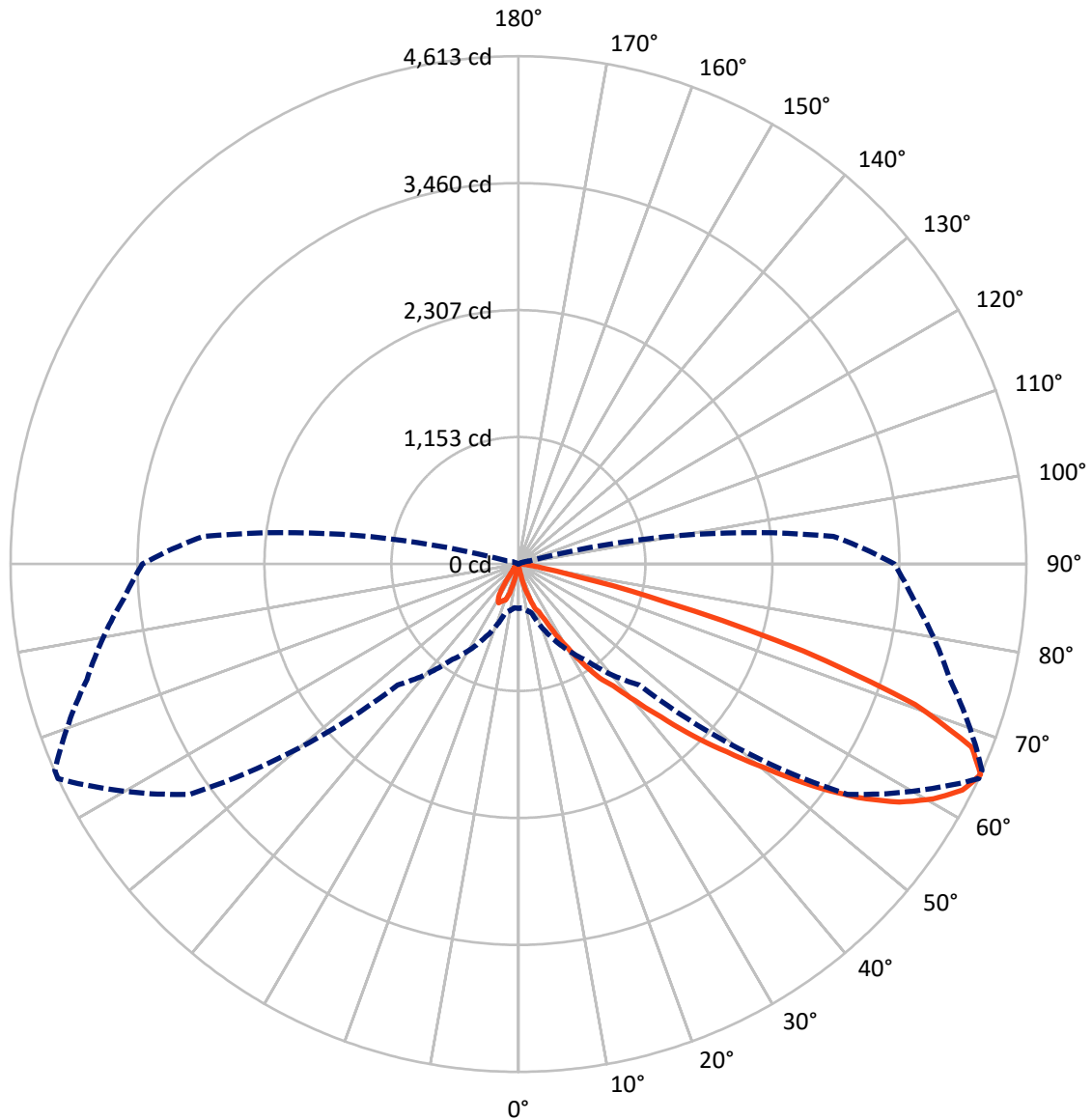


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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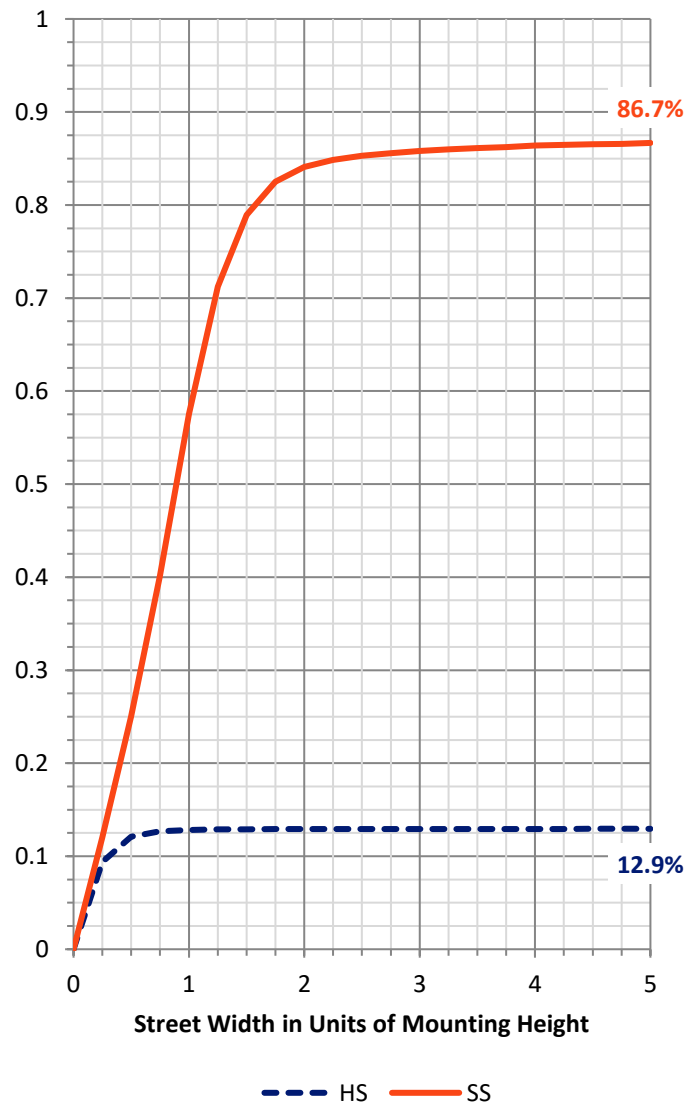
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.8	0.0	711.8
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4713.2	0.0	4713.2
	% Fixture	86.9	0.0	86.9
Total	Lumens	5425.0	0.0	5425.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	56.4	1.0
20°-30°	191.3	3.5
30°-40°	538.3	9.9
40°-50°	1194.3	22.0
50°-60°	1601.4	29.5
60°-70°	1275.8	23.5
70°-80°	525.6	9.7
80°-90°	37.6	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°	5425.0	100.0
0°-180°	5425.0	100.0



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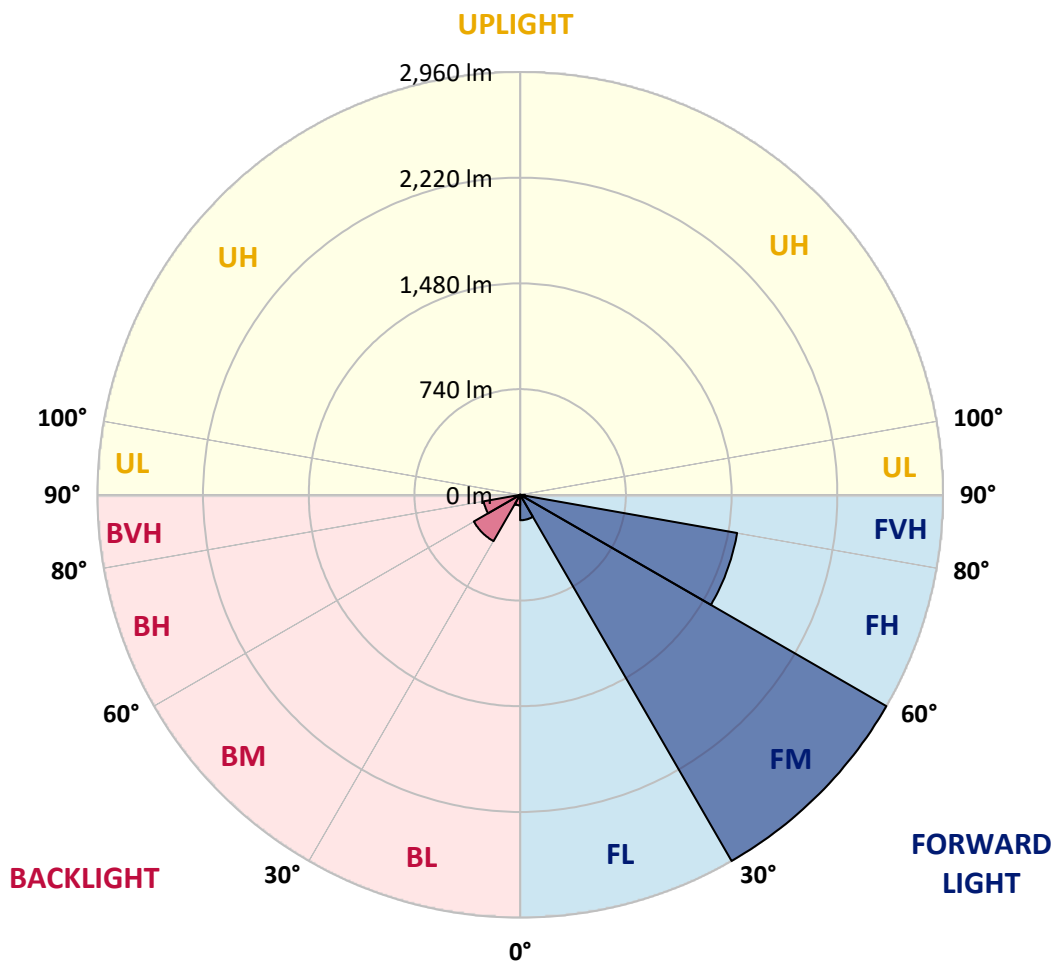
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.9	3.3			
FM	(30°-60°)	2959.7	54.6			
FH	(60°-80°)	1542.1	28.4			G1/1800
FVH	(80°-90°)	33.5	0.6			G1/100
BL	(0°-30°)	74.0	1.4	B0/110		
BM	(30°-60°)	374.3	6.9	B1/1000		
BH	(60°-80°)	259.3	4.8	B1/500		G1/500
BVH	(80°-90°)	4.2	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.8	0.8	0.8	2.4	2.4	2.4	2.4	1.6	1.6	1.6	1.6
5°	23.3	21.7	16.0	8.8	4.8	3.2	2.4	1.6	1.6	1.6	1.6
7.5°	162.1	161.3	161.3	162.9	163.7	58.6	5.6	2.4	2.4	1.6	1.6
10°	155.7	154.9	154.9	157.3	159.7	160.5	154.1	4.0	3.2	1.6	1.6
12.5°	290.5	285.7	182.2	159.7	155.7	157.3	158.1	136.4	63.4	97.9	121.2
15°	291.3	288.9	291.3	295.3	235.9	164.5	239.9	234.3	234.3	172.5	236.7
17.5°	294.5	291.3	292.9	298.5	289.7	340.2	321.0	332.2	332.2	245.6	261.6
20°	434.9	434.1	440.6	322.6	360.3	422.1	349.9	429.3	437.3	365.1	378.0
22.5°	443.8	443.0	453.4	451.8	442.2	453.4	512.0	470.2	472.7	552.1	499.1
25°	617.9	603.5	489.5	480.7	581.0	538.5	613.9	566.5	561.7	667.7	633.1
27.5°	707.0	700.6	707.8	686.1	615.5	660.4	664.4	729.4	696.5	764.8	780.0
30°	859.4	863.5	827.3	791.2	806.5	766.4	799.3	886.7	882.7	866.7	983.8
32.5°	1372.2	1330.5	1259.9	980.6	918.8	889.9	981.4	1080.1	1040.0	1099.4	1216.5
35°	1816.0	1722.9	1605.7	1406.7	1141.1	1064.1	1175.6	1272.7	1247.8	1367.4	1360.2
37.5°	2555.9	2512.5	2309.5	1801.5	1536.7	1327.3	1381.1	1404.3	1433.2	1569.6	1566.4
40°	2993.2	2943.5	2799.8	2397.8	1939.6	1646.7	1623.4	1635.4	1645.1	1782.3	1791.9
42.5°	3360.7	3338.3	3198.6	2813.5	2438.7	2164.3	1946.8	1899.4	1917.1	2055.9	2037.5
45°	3610.3	3583.8	3457.8	3189.0	2878.5	2737.2	2322.3	2230.1	2234.9	2311.9	2297.5
47.5°	3664.9	3633.6	3577.4	3428.2	3323.0	3208.3	2792.6	2549.4	2604.0	2608.0	2559.1
50°	3470.7	3432.2	3479.5	3444.2	3604.7	3662.5	3268.5	2921.8	3015.7	2929.8	2794.2
52.5°	2990.0	3002.0	3148.1	3254.8	3615.1	3980.3	3779.6	3348.7	3412.1	3195.4	3016.5
55°	2374.5	2404.2	2645.7	2841.5	3369.6	4069.3	4149.6	3744.3	3769.2	3477.9	3196.2
57.5°	1748.6	1788.7	2085.6	2303.9	2893.7	3877.5	4330.9	4080.6	4129.5	3681.7	3321.4
60°	1076.1	1113.0	1449.3	1781.5	2221.2	3326.2	4355.0	4332.5	4388.7	3825.4	3447.4
62.5°	655.6	686.9	833.8	1237.4	1596.1	2514.1	4154.4	4525.9	4554.0	3970.6	3538.1
65°	403.6	398.0	457.4	751.9	1064.9	1554.4	3647.2	4613.4	4610.2	4058.1	3599.1
67.5°	267.2	272.0	294.5	413.3	725.4	840.2	2615.3	4441.7	4425.6	4100.6	3575.0
70°	236.7	238.3	260.8	292.9	522.4	489.5	1320.1	3823.8	3801.3	3985.9	3424.9
72.5°	185.4	191.0	227.9	265.6	377.2	358.7	497.5	2708.3	2737.2	3388.0	3014.1
75°	131.6	135.6	172.5	231.9	281.7	274.4	280.9	1396.3	1481.4	2249.3	2208.4
77.5°	82.7	85.9	111.5	171.7	239.1	202.2	196.6	548.1	613.9	1100.2	1105.0
80°	57.0	57.8	69.0	115.6	171.7	166.1	133.2	219.1	221.5	398.8	382.8
82.5°	33.7	33.7	45.7	71.4	105.1	135.6	85.9	109.9	114.0	147.7	84.3
85°	12.0	12.8	24.9	40.9	58.6	71.4	51.4	60.2	62.6	76.2	40.1
87.5°	0.8	1.6	8.0	12.8	16.0	14.4	16.9	18.5	20.9	24.9	14.4
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8
5°	1.6	1.6	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8
7.5°	1.6	1.6	2.4	2.4	2.4	1.6	22.5	125.2	130.8	134.8	135.6
10°	4.8	3.2	2.4	2.4	2.4	130.0	134.8	131.6	129.2	126.8	127.6
12.5°	122.8	122.8	111.5	72.2	121.2	133.2	126.0	118.0	111.5	104.3	105.1
15°	235.9	234.3	207.0	178.1	203.8	130.8	108.3	143.6	122.8	108.3	105.9
17.5°	262.4	254.4	222.3	284.1	252.8	149.3	125.2	85.1	61.0	55.4	54.6
20°	378.0	367.5	324.2	344.3	231.1	172.5	75.4	48.1	43.3	52.2	53.8
22.5°	486.3	471.9	405.2	356.3	260.0	105.9	53.0	53.0	52.2	50.6	49.8
25°	625.1	599.4	543.3	373.1	206.2	69.8	57.8	47.3	42.5	39.3	39.3
27.5°	768.0	733.5	622.7	397.2	135.6	65.0	51.4	40.1	42.5	40.9	40.9
30°	976.6	929.3	725.4	371.5	88.3	60.2	43.3	39.3	34.5	32.9	32.1
32.5°	1192.5	1105.8	826.5	323.4	69.8	51.4	40.1	32.1	31.3	32.1	32.1
35°	1330.5	1249.4	935.7	235.1	61.0	44.9	32.9	29.7	27.3	26.5	26.5
37.5°	1495.8	1395.5	945.3	152.5	53.0	36.9	28.1	24.9	24.9	25.7	25.7
40°	1694.0	1584.1	906.8	93.9	45.7	30.5	24.1	22.5	21.7	21.7	21.7
42.5°	1916.3	1777.5	853.0	70.6	38.5	25.7	20.1	19.3	18.5	18.5	18.5
45°	2153.8	1972.5	779.2	58.6	32.1	21.7	16.9	16.0	16.0	15.2	15.2
47.5°	2400.2	2181.1	667.7	51.4	26.5	17.7	14.4	13.6	12.8	12.8	12.8
50°	2611.2	2372.1	531.2	44.1	22.5	15.2	11.2	10.4	10.4	9.6	9.6
52.5°	2803.0	2534.2	421.3	37.7	18.5	12.0	8.8	8.0	8.0	7.2	7.2
55°	2950.7	2654.6	314.6	31.3	15.2	9.6	6.4	5.6	5.6	4.8	5.6
57.5°	3075.1	2728.4	238.3	25.7	12.8	7.2	4.8	4.0	3.2	3.2	3.2
60°	3193.0	2787.8	175.7	20.1	10.4	5.6	3.2	2.4	1.6	1.6	1.6
62.5°	3319.8	2840.7	138.8	16.0	8.8	4.0	1.6	1.6	0.0	0.0	0.0
65°	3415.3	2873.6	107.5	12.8	7.2	2.4	1.6	0.8	0.0	0.0	0.0
67.5°	3418.5	2831.9	84.3	10.4	6.4	2.4	0.8	0.0	0.0	0.0	0.0
70°	3295.7	2654.6	62.6	9.6	5.6	2.4	1.6	0.8	0.0	0.0	0.0
72.5°	2856.0	2084.0	44.9	8.0	4.8	2.4	1.6	0.8	0.8	0.0	0.0
75°	2065.6	1231.8	31.3	7.2	4.8	2.4	2.4	1.6	1.6	1.6	0.0
77.5°	1059.3	512.0	20.9	6.4	4.0	1.6	3.2	2.4	2.4	2.4	0.8
80°	310.6	176.5	12.8	5.6	4.0	1.6	3.2	3.2	3.2	3.2	0.8
82.5°	59.4	34.5	8.0	5.6	4.0	1.6	3.2	3.2	3.2	4.0	0.0
85°	23.3	13.6	5.6	4.8	4.0	1.6	3.2	3.2	4.0	4.0	0.0
87.5°	8.0	6.4	4.8	4.0	4.0	1.6	3.2	3.2	3.2	4.0	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)