

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: P416661

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416661
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-PA1-80-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 5653 lumens
Efficiency: N/A
Efficacy: 68.1 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

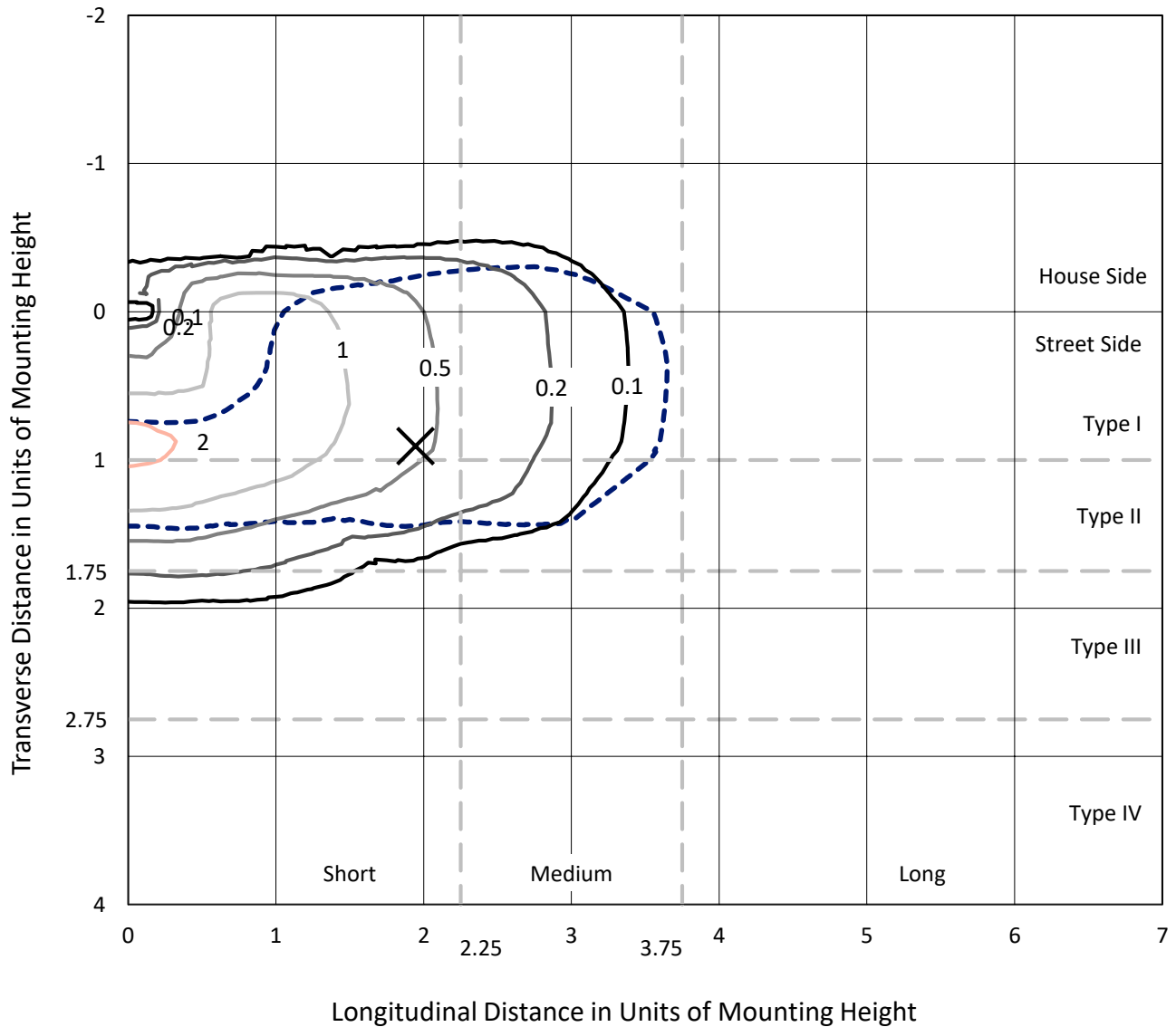
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

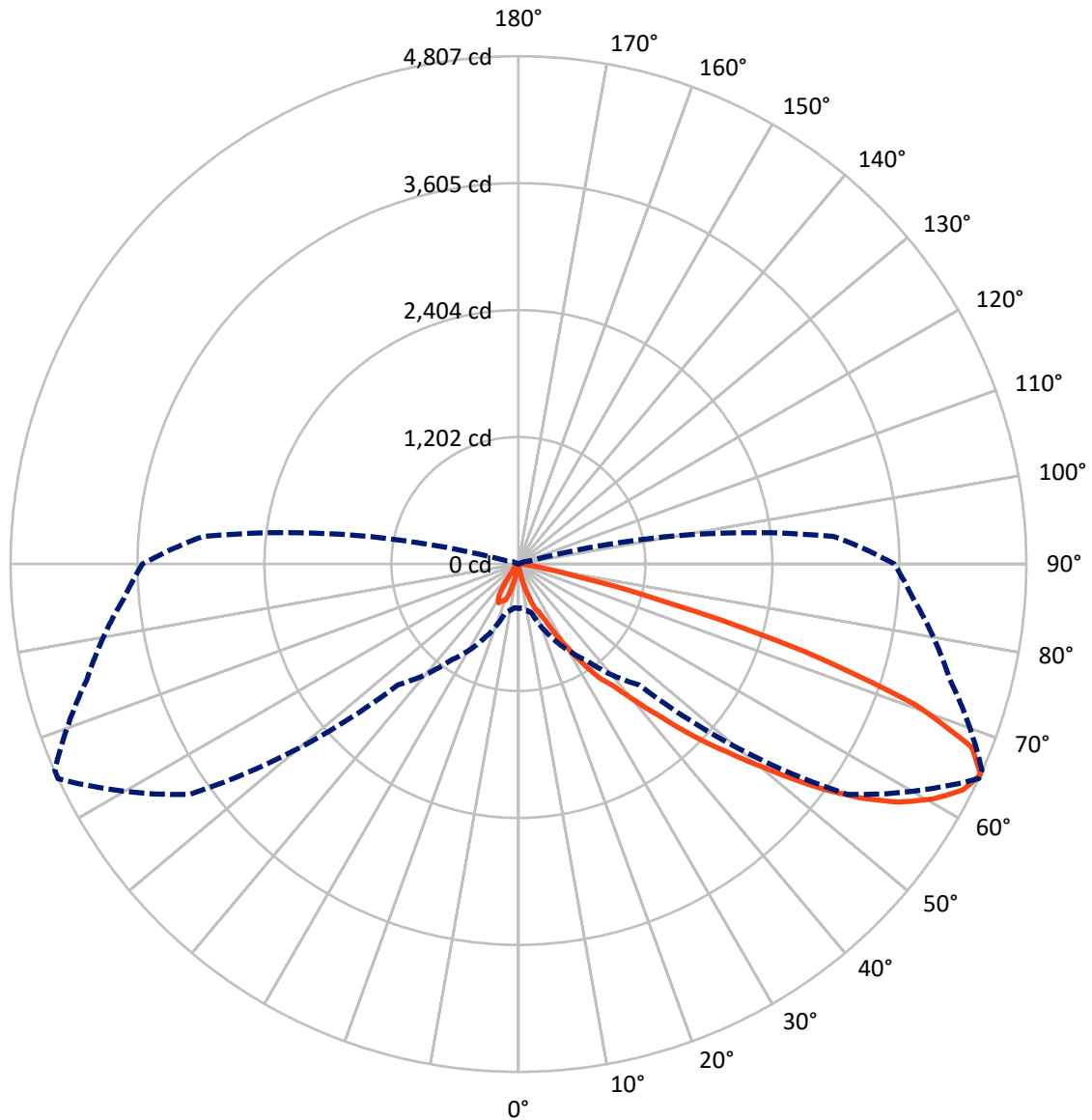
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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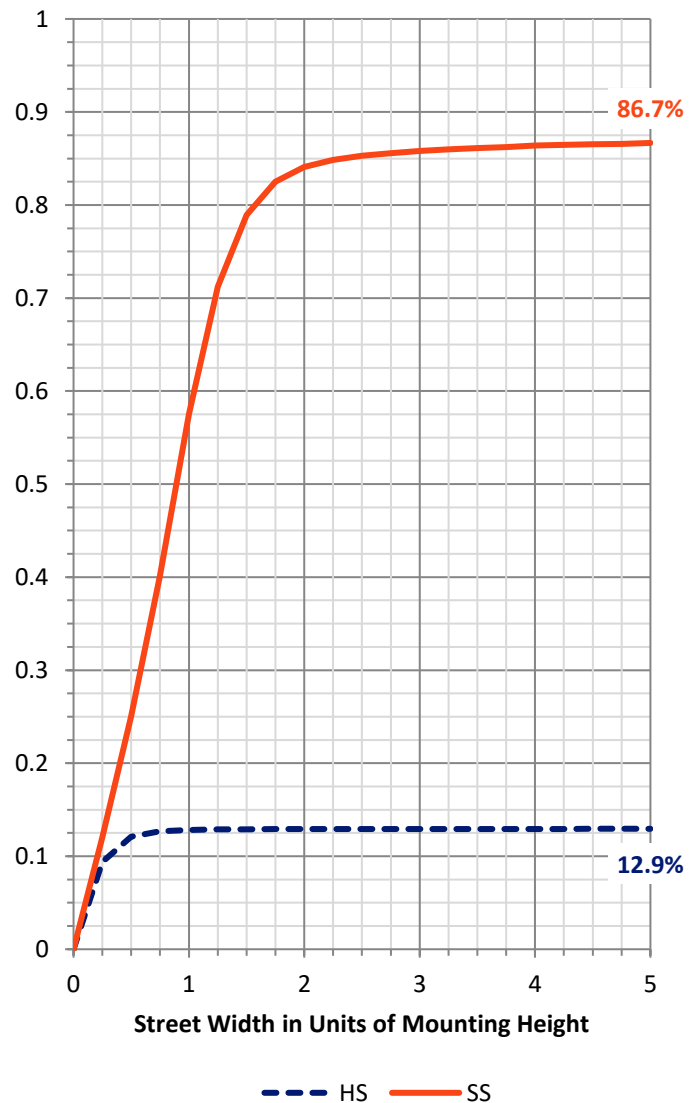
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.7	0.0	741.7
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4911.3	0.0	4911.3
	% Fixture	86.9	0.0	86.9
Total	Lumens	5653.0	0.0	5653.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	58.7	1.0
20°-30°	199.4	3.5
30°-40°	560.9	9.9
40°-50°	1244.5	22.0
50°-60°	1668.7	29.5
60°-70°	1329.4	23.5
70°-80°	547.7	9.7
80°-90°	39.2	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°	5653.0	100.0
0°-180°	5653.0	100.0



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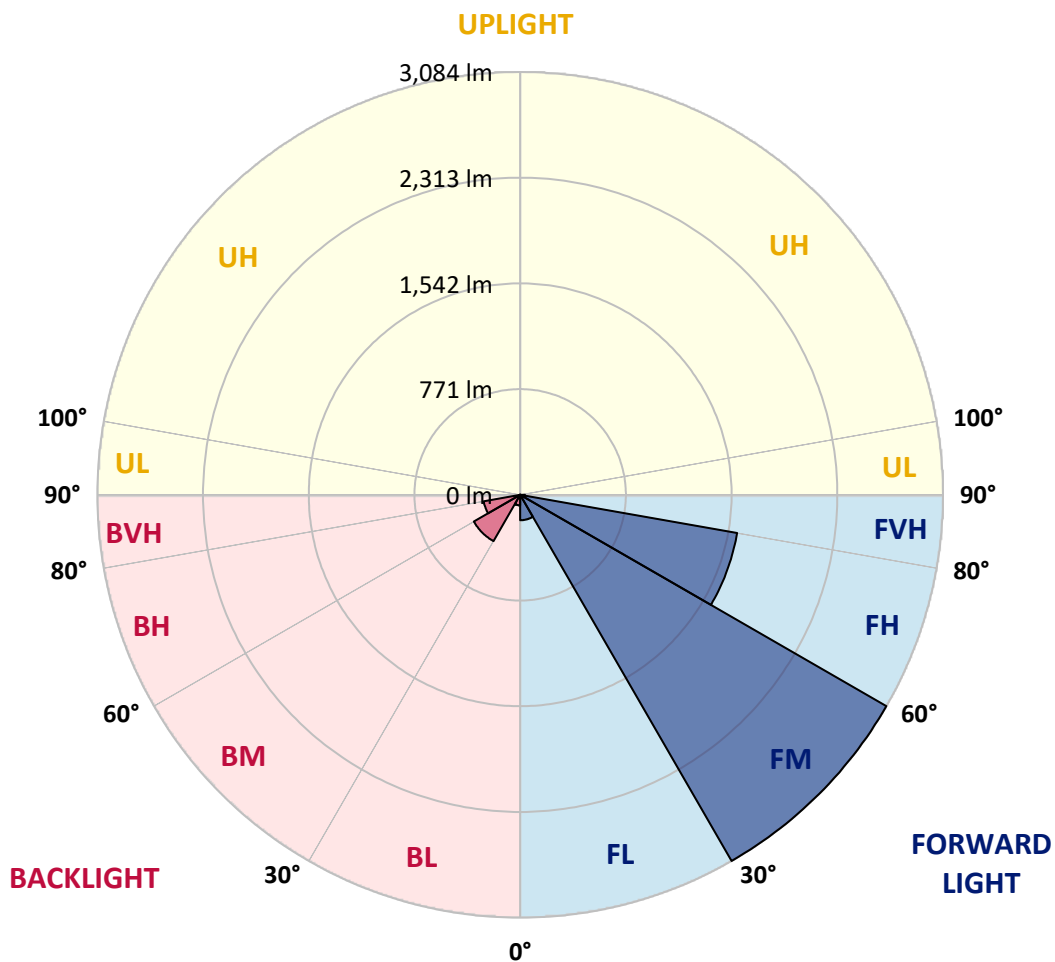
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.4	3.3			
FM	(30°-60°)	3084.1	54.6			
FH	(60°-80°)	1606.9	28.4			G1/1800
FVH	(80°-90°)	34.9	0.6			G1/100
BL	(0°-30°)	77.2	1.4	B0/110		
BM	(30°-60°)	390.1	6.9	B1/1000		
BH	(60°-80°)	270.2	4.8	B1/500		G1/500
BVH	(80°-90°)	4.3	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.8	0.8	0.8	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7
5°	24.2	22.6	16.7	9.2	5.0	3.3	2.5	1.7	1.7	1.7	1.7
7.5°	168.9	168.1	168.1	169.7	170.6	61.0	5.9	2.5	2.5	1.7	1.7
10°	162.2	161.4	161.4	163.9	166.4	167.2	160.5	4.2	3.3	1.7	1.7
12.5°	302.7	297.7	189.8	166.4	162.2	163.9	164.7	142.2	66.1	102.0	126.3
15°	303.5	301.0	303.5	307.7	245.8	171.4	250.0	244.2	244.2	179.8	246.7
17.5°	306.9	303.5	305.2	311.1	301.9	354.5	334.5	346.2	346.2	255.9	272.6
20°	453.2	452.4	459.1	336.2	375.5	439.8	364.6	447.4	455.7	380.5	393.8
22.5°	462.4	461.6	472.5	470.8	460.7	472.5	533.5	490.0	492.5	575.3	520.1
25°	643.9	628.8	510.1	500.9	605.4	561.1	639.7	590.4	585.3	695.7	659.8
27.5°	736.7	730.0	737.5	714.9	641.4	688.2	692.4	760.1	725.8	796.9	812.8
30°	895.6	899.7	862.1	824.5	840.4	798.6	832.9	924.0	919.8	903.1	1025.2
32.5°	1429.9	1386.4	1312.8	1021.8	957.4	927.3	1022.7	1125.5	1083.7	1145.6	1267.7
35°	1892.3	1795.3	1673.2	1465.9	1189.1	1108.8	1225.0	1326.2	1300.3	1424.9	1417.4
37.5°	2663.3	2618.1	2406.6	1877.3	1601.3	1383.1	1439.1	1463.3	1493.4	1635.6	1632.3
40°	3119.0	3067.2	2917.5	2498.6	2021.1	1715.9	1691.6	1704.2	1714.2	1857.2	1867.2
42.5°	3502.0	3478.6	3333.1	2931.7	2541.2	2255.2	2028.6	1979.3	1997.7	2142.3	2123.1
45°	3762.0	3734.5	3603.2	3323.0	2999.4	2852.3	2420.0	2323.8	2328.8	2409.1	2394.0
47.5°	3818.9	3786.3	3727.8	3572.2	3462.7	3343.1	2910.0	2656.6	2713.5	2717.6	2666.6
50°	3616.5	3576.4	3625.7	3589.0	3756.2	3816.4	3405.8	3044.6	3142.4	3053.0	2911.6
52.5°	3115.7	3128.2	3280.4	3391.6	3767.1	4147.5	3938.5	3489.4	3555.5	3329.7	3143.3
55°	2474.3	2505.2	2756.9	2961.0	3511.2	4240.4	4324.0	3901.7	3927.6	3624.1	3330.6
57.5°	1822.1	1863.9	2173.3	2400.7	3015.3	4040.5	4513.0	4252.1	4303.1	3836.5	3461.0
60°	1121.3	1159.8	1510.2	1856.4	2314.6	3466.0	4538.0	4514.6	4573.2	3986.1	3592.3
62.5°	683.2	715.8	868.8	1289.4	1663.2	2619.8	4329.0	4716.1	4745.4	4137.5	3686.8
65°	420.6	414.8	476.6	783.5	1109.6	1619.7	3800.5	4807.3	4803.9	4228.6	3750.3
67.5°	278.5	283.5	306.9	430.6	755.9	875.5	2725.2	4628.3	4611.6	4273.0	3725.3
70°	246.7	248.4	271.8	305.2	544.4	510.1	1375.5	3984.5	3961.1	4153.4	3568.9
72.5°	193.2	199.0	237.5	276.8	393.0	373.8	518.4	2822.2	2852.3	3530.4	3140.8
75°	137.1	141.3	179.8	241.7	293.5	286.0	292.7	1455.0	1543.6	2343.9	2301.2
77.5°	86.1	89.5	116.2	178.9	249.2	210.7	204.9	571.1	639.7	1146.4	1151.4
80°	59.4	60.2	71.9	120.4	178.9	173.1	138.8	228.3	230.8	415.6	398.9
82.5°	35.1	35.1	47.7	74.4	109.5	141.3	89.5	114.6	118.7	153.9	87.8
85°	12.5	13.4	25.9	42.6	61.0	74.4	53.5	62.7	65.2	79.4	41.8
87.5°	0.8	1.7	8.4	13.4	16.7	15.1	17.6	19.2	21.7	25.9	15.1
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8
5°	1.7	1.7	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8
7.5°	1.7	1.7	2.5	2.5	2.5	1.7	23.4	130.4	136.3	140.5	141.3
10°	5.0	3.3	2.5	2.5	2.5	135.5	140.5	137.1	134.6	132.1	133.0
12.5°	127.9	127.9	116.2	75.3	126.3	138.8	131.3	122.9	116.2	108.7	109.5
15°	245.8	244.2	215.7	185.6	212.4	136.3	112.9	149.7	127.9	112.9	110.4
17.5°	273.4	265.1	231.6	296.0	263.4	155.5	130.4	88.6	63.6	57.7	56.9
20°	393.8	383.0	337.8	358.7	240.8	179.8	78.6	50.2	45.2	54.4	56.0
22.5°	506.7	491.7	422.3	371.3	270.9	110.4	55.2	55.2	54.4	52.7	51.8
25°	651.4	624.6	566.1	388.8	214.9	72.7	60.2	49.3	44.3	41.0	41.0
27.5°	800.2	764.3	648.9	413.9	141.3	67.7	53.5	41.8	44.3	42.6	42.6
30°	1017.7	968.3	755.9	387.2	92.0	62.7	45.2	41.0	36.0	34.3	33.4
32.5°	1242.6	1152.3	861.3	337.0	72.7	53.5	41.8	33.4	32.6	33.4	33.4
35°	1386.4	1302.0	975.0	245.0	63.6	46.8	34.3	30.9	28.4	27.6	27.6
37.5°	1558.7	1454.1	985.0	158.9	55.2	38.5	29.3	25.9	25.9	26.8	26.8
40°	1765.2	1650.7	944.9	97.8	47.7	31.8	25.1	23.4	22.6	22.6	22.6
42.5°	1996.8	1852.2	888.9	73.6	40.1	26.8	20.9	20.1	19.2	19.2	19.2
45°	2244.4	2055.4	811.9	61.0	33.4	22.6	17.6	16.7	16.7	15.9	15.9
47.5°	2501.1	2272.8	695.7	53.5	27.6	18.4	15.1	14.2	13.4	13.4	13.4
50°	2721.0	2471.8	553.6	46.0	23.4	15.9	11.7	10.9	10.9	10.0	10.0
52.5°	2920.8	2640.7	439.0	39.3	19.2	12.5	9.2	8.4	8.4	7.5	7.5
55°	3074.7	2766.1	327.8	32.6	15.9	10.0	6.7	5.9	5.9	5.0	5.9
57.5°	3204.3	2843.1	248.4	26.8	13.4	7.5	5.0	4.2	3.3	3.3	3.3
60°	3327.2	2904.9	183.1	20.9	10.9	5.9	3.3	2.5	1.7	1.7	1.7
62.5°	3459.3	2960.1	144.7	16.7	9.2	4.2	1.7	1.7	0.0	0.0	0.0
65°	3558.9	2994.4	112.1	13.4	7.5	2.5	1.7	0.8	0.0	0.0	0.0
67.5°	3562.2	2950.9	87.8	10.9	6.7	2.5	0.8	0.0	0.0	0.0	0.0
70°	3434.3	2766.1	65.2	10.0	5.9	2.5	1.7	0.8	0.0	0.0	0.0
72.5°	2976.0	2171.6	46.8	8.4	5.0	2.5	1.7	0.8	0.8	0.0	0.0
75°	2152.4	1283.6	32.6	7.5	5.0	2.5	2.5	1.7	1.7	1.7	0.0
77.5°	1103.8	533.5	21.7	6.7	4.2	1.7	3.3	2.5	2.5	2.5	0.8
80°	323.6	184.0	13.4	5.9	4.2	1.7	3.3	3.3	3.3	3.3	0.8
82.5°	61.9	36.0	8.4	5.9	4.2	1.7	3.3	3.3	3.3	4.2	0.0
85°	24.2	14.2	5.9	5.0	4.2	1.7	3.3	3.3	4.2	4.2	0.0
87.5°	8.4	6.7	5.0	4.2	4.2	1.7	3.3	3.3	3.3	4.2	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)