

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: P413758

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

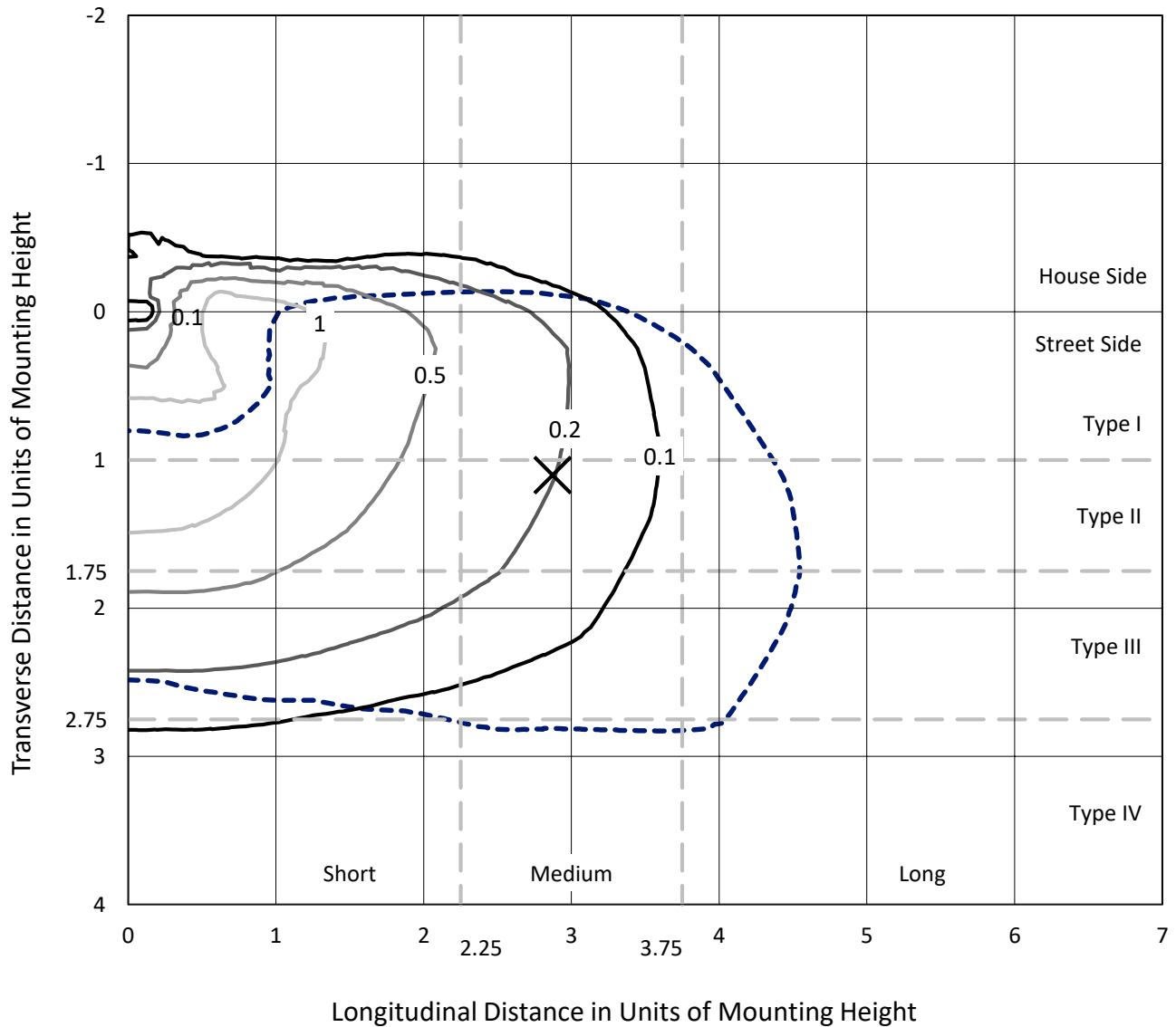
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

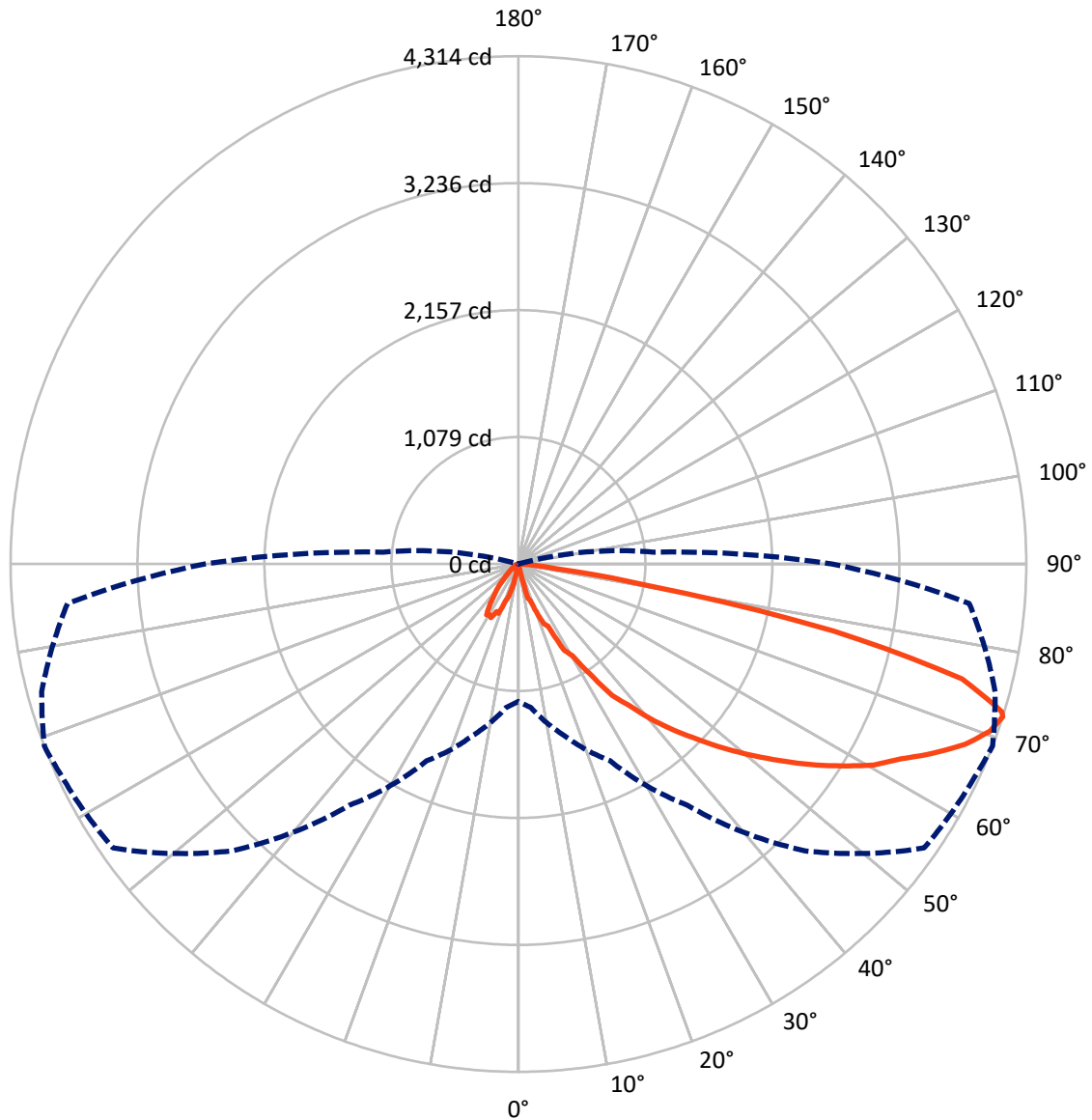
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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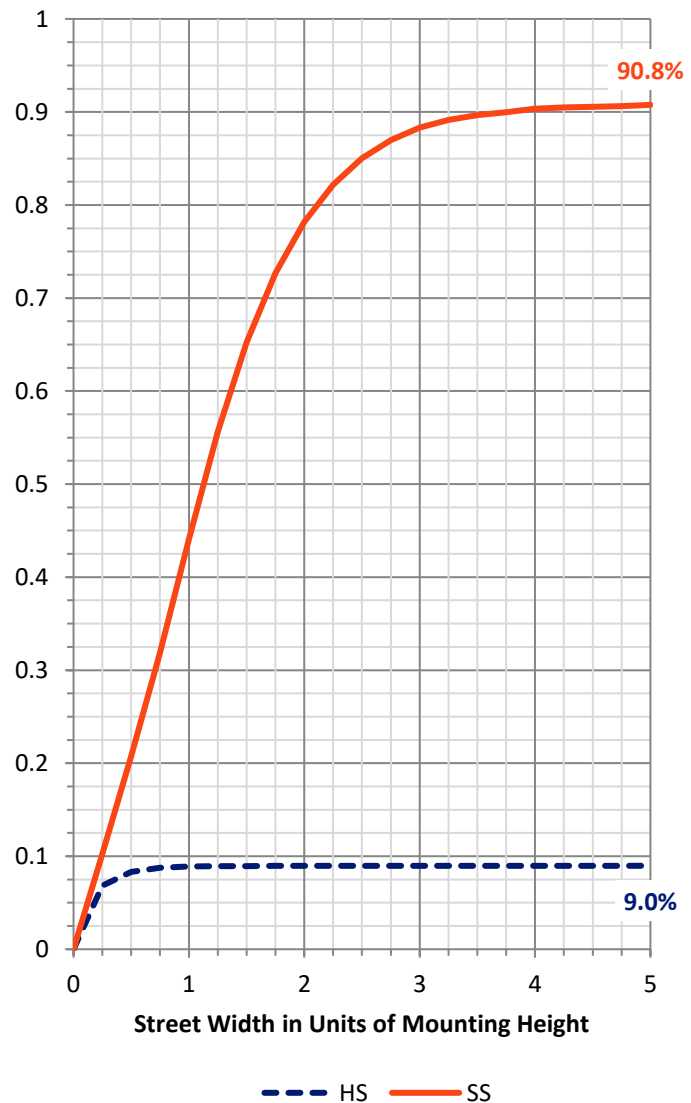
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.6	0.0	582.6
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5842.4	0.0	5842.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	6425.0	0.0	6425.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	55.8	0.9
20°-30°	200.1	3.1
30°-40°	511.1	8.0
40°-50°	1011.4	15.7
50°-60°	1593.8	24.8
60°-70°	1853.8	28.9
70°-80°	1125.3	17.5
80°-90°	69.6	1.1
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°	6425.0	100.0
0°-180°	6425.0	100.0



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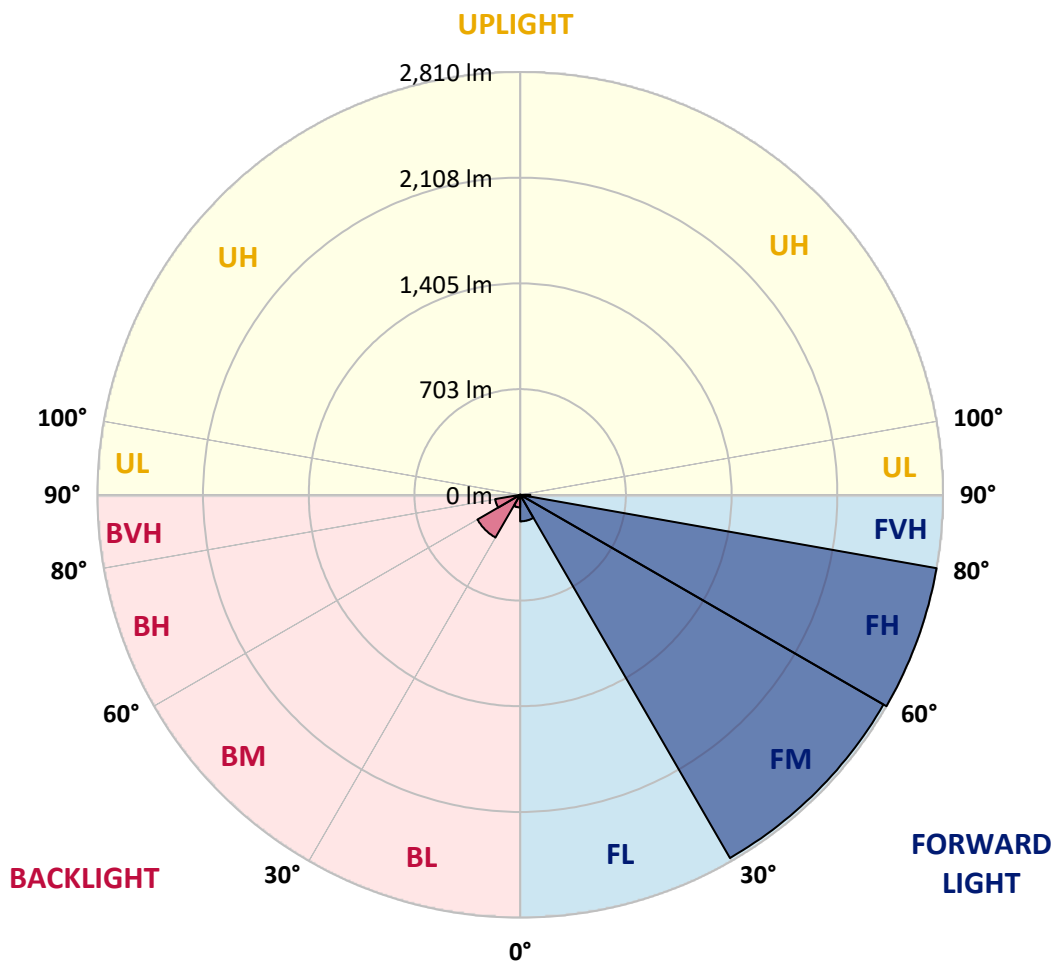
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.4	2.7			
FM	(30°-60°)	2788.3	43.4			
FH	(60°-80°)	2810.5	43.7			G2/5000
FVH	(80°-90°)	67.2	1.0			G1/100
BL	(0°-30°)	83.7	1.3	B0/110		
BM	(30°-60°)	328.0	5.1	B1/1000		
BH	(60°-80°)	168.6	2.6	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7	2.7
5°	89.5	58.4	43.8	36.5	18.3	4.6	2.7	2.7	2.7	2.7	2.7
7.5°	137.9	137.9	138.8	139.7	142.4	119.6	25.6	2.7	2.7	2.7	2.7
10°	133.3	132.4	132.4	134.2	137.9	141.5	145.2	19.2	4.6	2.7	2.7
12.5°	260.2	257.5	239.2	167.1	137.0	138.8	146.1	111.4	31.0	18.3	105.0
15°	257.5	256.6	258.4	262.9	264.8	147.9	216.4	294.0	300.4	202.7	245.6
17.5°	281.2	273.0	260.2	262.0	270.3	317.7	305.9	318.6	325.0	227.3	265.7
20°	388.9	388.0	389.9	305.9	285.8	402.6	354.2	346.0	430.0	450.1	499.4
22.5°	397.2	395.3	398.1	407.2	457.4	420.9	513.1	525.0	549.6	608.1	570.6
25°	556.0	556.0	456.5	425.5	521.3	475.7	635.5	597.1	584.3	652.8	734.1
27.5°	671.1	663.8	640.0	594.4	542.3	672.9	676.5	816.2	828.1	911.2	926.7
30°	850.0	840.0	777.0	741.4	672.9	707.6	789.8	970.5	904.8	971.4	1039.0
32.5°	1258.1	1243.5	1164.1	934.0	848.2	766.9	946.8	1041.8	1106.6	1287.4	1361.3
35°	1629.7	1534.8	1426.1	1250.8	1028.1	997.0	1021.7	1291.9	1368.6	1424.3	1499.2
37.5°	2004.1	2005.9	1897.2	1471.8	1299.2	1151.3	1231.7	1443.5	1521.1	1603.3	1670.8
40°	2304.5	2258.8	2113.6	1801.4	1533.0	1385.0	1395.1	1591.4	1729.3	1832.4	1846.1
42.5°	2687.9	2668.7	2455.1	2102.7	1835.2	1690.9	1647.1	1743.9	1926.5	1994.9	2036.9
45°	3054.9	3026.6	2845.0	2446.0	2158.4	1996.8	1936.5	1937.4	2117.3	2190.3	2250.6
47.5°	3329.8	3284.1	3186.4	2761.9	2564.7	2330.9	2205.8	2158.4	2333.7	2428.6	2462.4
50°	3617.4	3542.5	3464.9	3118.9	2915.3	2712.6	2473.4	2420.4	2547.3	2653.2	2680.6
52.5°	3810.0	3701.4	3647.5	3373.6	3229.3	3100.6	2740.9	2681.5	2771.9	2897.0	2875.1
55°	3712.3	3678.5	3737.0	3593.6	3453.9	3311.5	3032.1	2983.7	3007.5	3112.5	3060.4
57.5°	3508.7	3518.8	3691.3	3718.7	3655.7	3521.5	3293.2	3285.0	3236.6	3322.5	3254.9
60°	3296.0	3333.4	3573.5	3710.5	3756.1	3711.4	3569.0	3508.7	3465.8	3526.1	3473.1
62.5°	3011.1	3018.4	3340.7	3637.5	3717.8	3859.3	3761.6	3732.4	3643.8	3733.3	3711.4
65°	2653.2	2662.4	2965.5	3386.4	3602.8	3887.6	3912.3	3943.3	3874.8	3899.5	3968.9
67.5°	2253.3	2270.7	2535.4	2941.7	3355.3	3831.9	4037.4	4096.7	4091.2	4083.9	4152.4
70°	1824.2	1836.1	2051.5	2407.6	2955.4	3678.5	4153.3	4229.1	4250.1	4199.0	4150.6
72°	1166.8	1224.4	1509.2	1845.2	2501.7	3445.7	4205.3	4277.5	4314.0	4191.7	3844.7
72.5°	916.7	962.3	1394.2	1690.9	2346.4	3391.9	4195.3	4261.0	4294.8	4151.5	3715.1
75°	197.2	202.7	436.4	821.7	1480.0	2598.4	3847.4	3855.7	3892.2	3617.4	2543.7
77.5°	84.9	85.8	121.4	271.2	531.4	1328.4	2663.3	2739.0	2736.3	2341.0	1229.8
80°	59.3	61.2	72.1	124.2	252.9	384.4	1301.0	1309.3	1126.7	837.2	306.8
82.5°	31.0	32.9	51.1	74.0	171.6	140.6	420.9	424.6	313.2	197.2	71.2
85°	5.5	8.2	24.7	44.7	66.7	56.6	92.2	116.0	100.4	78.5	30.1
87.5°	0.9	0.9	6.4	6.4	9.1	5.5	9.1	10.0	11.0	16.4	8.2
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	84.0	113.2	120.5	128.7
10°	2.7	3.7	2.7	2.7	1.8	115.0	141.5	143.3	145.2	145.2	144.3
12.5°	116.0	118.7	42.0	8.2	106.8	146.1	138.8	126.9	116.0	112.3	111.4
15°	248.3	249.3	225.5	194.5	207.3	137.9	108.6	123.3	125.1	120.5	120.5
17.5°	267.5	267.5	255.6	312.3	262.0	137.9	114.1	94.0	80.3	76.7	75.8
20°	529.5	463.8	375.2	316.8	213.6	154.3	80.3	68.5	66.7	66.7	69.4
22.5°	571.5	563.3	488.5	427.3	183.5	108.6	78.5	78.5	93.1	91.3	90.4
25°	745.9	735.0	553.3	371.6	183.5	93.1	99.5	87.6	85.8	84.0	82.2
27.5°	943.1	920.3	777.9	336.0	129.6	97.7	95.0	83.1	98.6	98.6	97.7
30°	1073.7	987.9	783.4	301.3	109.6	104.1	89.5	96.8	87.6	82.2	82.2
32.5°	1391.4	1352.2	957.8	212.7	104.1	94.0	94.0	83.1	74.0	76.7	75.8
35°	1491.9	1440.7	852.8	159.8	95.9	86.7	78.5	73.0	63.0	56.6	55.7
37.5°	1616.0	1549.4	715.8	123.3	94.0	76.7	64.8	55.7	48.4	48.4	47.5
40°	1768.5	1667.2	585.2	105.0	83.1	65.7	50.2	42.9	38.3	35.6	34.7
42.5°	1935.6	1778.6	450.1	95.0	72.1	53.9	37.4	31.0	28.3	27.4	27.4
45°	2111.8	1881.7	323.2	86.7	63.0	42.0	27.4	21.9	21.0	21.0	21.0
47.5°	2291.7	1956.6	220.0	78.5	53.0	31.0	20.1	16.4	16.4	15.5	15.5
50°	2467.9	2007.7	151.6	70.3	42.9	21.9	14.6	13.7	13.7	12.8	12.8
52.5°	2595.7	1995.9	113.2	61.2	33.8	16.4	11.9	11.0	11.0	11.0	11.0
55°	2719.9	1969.4	93.1	52.0	25.6	11.9	9.1	8.2	8.2	8.2	8.2
57.5°	2847.7	1933.8	80.3	42.0	18.3	9.1	6.4	6.4	6.4	6.4	6.4
60°	2953.6	1864.4	69.4	33.8	12.8	6.4	5.5	4.6	4.6	4.6	4.6
62.5°	3071.4	1794.1	59.3	25.6	9.1	4.6	3.7	2.7	2.7	1.8	2.7
65°	3155.4	1708.3	48.4	18.3	6.4	3.7	2.7	1.8	0.9	0.0	0.9
67.5°	3153.6	1594.1	34.7	11.9	4.6	2.7	1.8	0.9	0.0	0.0	0.0
70°	3015.7	1430.7	23.7	8.2	3.7	1.8	1.8	0.9	0.0	0.0	0.0
72°	2661.4	1154.1	18.3	7.3	3.7	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	2537.3	1059.1	16.4	6.4	3.7	1.8	1.8	0.9	0.0	0.0	0.0
75°	1611.5	441.0	12.8	5.5	3.7	1.8	1.8	0.9	0.9	0.9	0.0
77.5°	748.7	161.6	9.1	4.6	2.7	1.8	1.8	0.9	0.9	1.8	0.0
80°	163.4	47.5	6.4	4.6	2.7	1.8	1.8	1.8	1.8	2.7	0.0
82.5°	37.4	15.5	5.5	3.7	2.7	1.8	1.8	1.8	1.8	2.7	0.0
85°	13.7	9.1	5.5	4.6	3.7	1.8	1.8	2.7	2.7	3.7	0.0
87.5°	5.5	5.5	4.6	4.6	3.7	1.8	2.7	2.7	3.7	3.7	0.0
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)