

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: P416419

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-750-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6317 lumens
Efficiency: N/A
Efficacy: 85.4 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

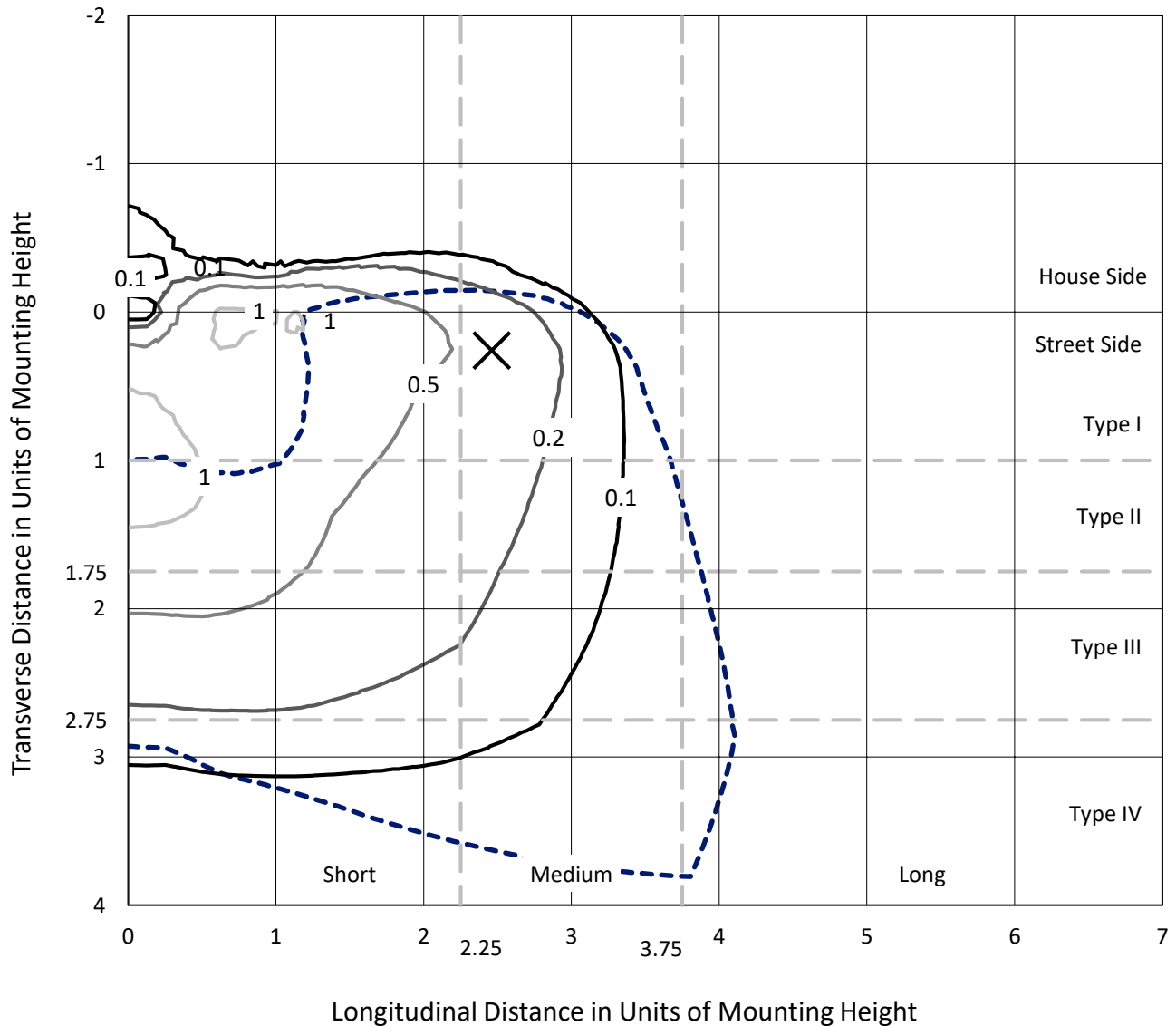
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

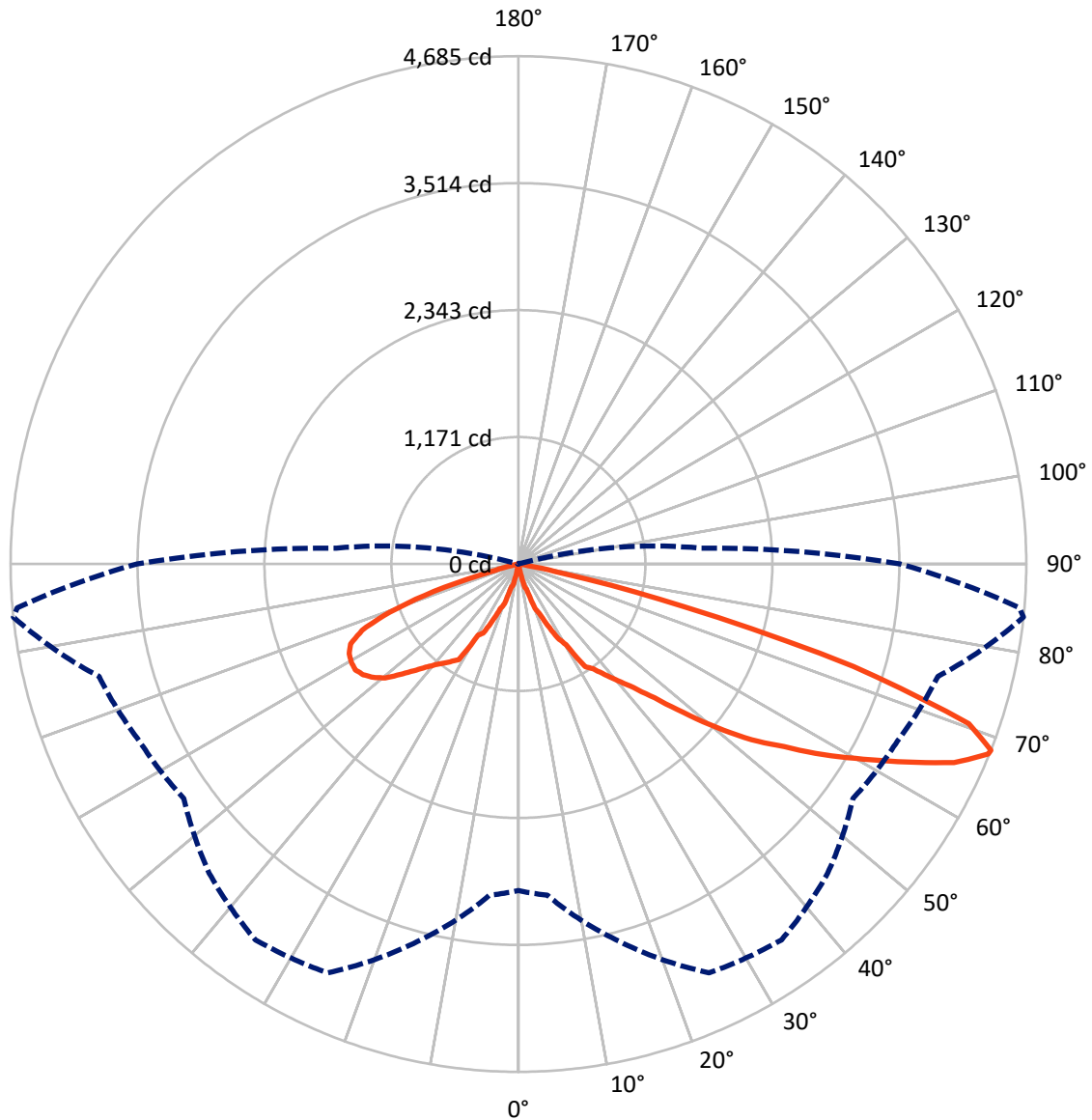
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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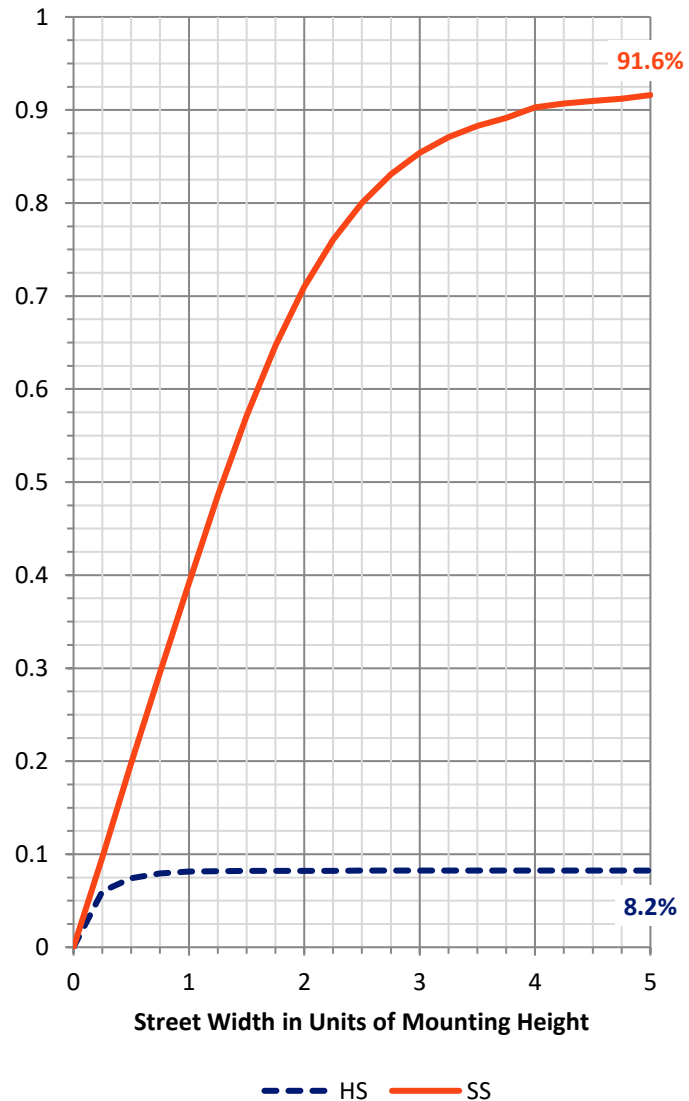
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	524.9	0.0	524.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5792.1	0.0	5792.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	6317.0	0.0	6317.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	57.2	0.9
20°-30°	204.8	3.2
30°-40°	437.4	6.9
40°-50°	781.6	12.4
50°-60°	1386.8	22.0
60°-70°	1993.0	31.6
70°-80°	1341.7	21.2
80°-90°	110.3	1.7
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°	6317.0	100.0
0°-180°	6317.0	100.0



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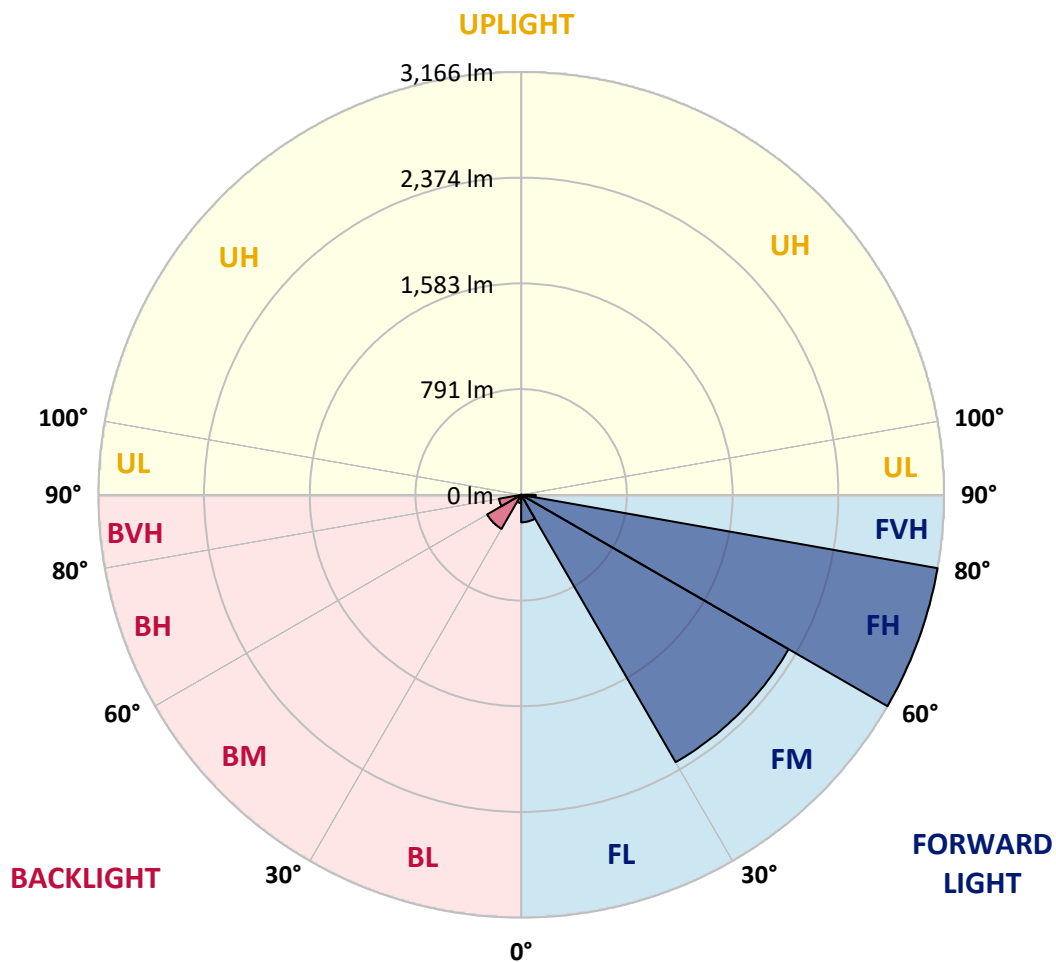
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.9	3.3			
FM	(30°-60°)	2311.8	36.6			
FH	(60°-80°)	3165.8	50.1			G2/5000
FVH	(80°-90°)	108.6	1.7			G2/225
BL	(0°-30°)	60.2	1.0	B0/110		
BM	(30°-60°)	294.1	4.7	B1/1000		
BH	(60°-80°)	169.0	2.7	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	75°	84°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.0	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7
5°	48.5	41.2	40.3	35.7	25.6	6.4	1.8	2.7	2.7	2.7	2.7
7.5°	173.8	171.1	169.3	165.6	161.9	124.4	24.7	2.7	2.7	2.7	2.7
10°	186.6	183.0	180.2	175.7	170.2	163.8	156.4	20.1	2.7	2.7	2.7
12.5°	386.1	381.5	264.4	218.7	180.2	171.1	165.6	86.0	79.6	90.6	103.4
15°	406.2	402.6	392.5	379.7	341.3	193.0	259.8	323.0	210.4	224.2	224.2
17.5°	452.9	445.6	410.8	391.6	376.0	413.5	379.7	345.8	226.9	240.6	240.6
20°	634.0	632.2	622.1	434.6	395.2	523.3	413.5	368.7	419.0	437.3	416.3
22.5°	639.5	637.7	630.4	605.7	621.2	538.0	593.8	557.2	571.8	499.5	495.9
25°	848.1	840.8	673.4	616.6	700.8	573.6	706.3	614.8	603.8	624.0	624.0
27.5°	863.7	861.8	856.4	820.7	719.1	812.4	727.4	796.0	811.5	771.3	792.3
30°	983.5	923.1	891.1	870.1	847.2	852.7	849.0	915.8	845.4	861.8	852.7
32.5°	1144.6	1139.1	1122.6	927.7	941.4	890.2	989.9	979.9	1093.3	1129.0	1123.5
35°	1368.7	1280.9	1173.8	1073.2	977.1	1057.6	1022.9	1140.0	1168.3	1184.8	1218.7
37.5°	1565.4	1537.0	1437.3	1138.1	1082.3	1088.7	1170.2	1221.4	1263.5	1292.8	1307.4
40°	1745.6	1724.6	1657.8	1330.3	1139.1	1182.1	1248.9	1277.2	1360.5	1414.5	1415.4
42.5°	2012.8	2025.6	1963.4	1504.1	1292.8	1312.9	1369.6	1374.2	1448.3	1556.3	1559.9
45°	2346.7	2329.4	2313.8	1756.6	1439.2	1426.3	1505.0	1494.0	1608.4	1760.3	1778.6
47.5°	2668.8	2644.1	2602.0	2047.6	1642.3	1553.5	1663.3	1672.5	1850.9	2044.8	2052.1
50°	2917.6	2908.5	2866.4	2386.1	1912.2	1729.2	1839.0	1946.9	2136.3	2369.6	2385.2
52.5°	3192.1	3171.1	3097.0	2703.6	2258.9	1993.6	2049.4	2238.8	2437.3	2693.5	2691.7
55°	3375.1	3377.8	3307.4	3027.4	2573.6	2292.8	2314.7	2605.7	2711.8	2973.5	2992.7
57.5°	3618.5	3598.3	3617.6	3408.0	3000.0	2596.5	2647.7	2899.3	2994.5	3317.5	3330.3
60°	3799.6	3806.9	3902.1	3759.4	3330.3	2905.8	2949.7	3139.1	3276.3	3654.2	3694.4
62.5°	3806.0	3845.4	4101.5	4111.6	3688.0	3240.6	3212.2	3384.3	3505.0	4020.1	4068.6
65°	3457.4	3481.2	4058.5	4204.9	4020.1	3569.1	3462.0	3591.0	3731.0	4416.3	4425.4
67.5°	3107.9	3115.3	3672.4	4177.5	4219.6	3963.4	3728.3	3817.0	3952.4	4677.0	4645.0
68°	3012.8	3067.7	3605.7	4161.9	4232.4	4034.8	3768.5	3860.0	4006.4	4685.3	4640.4
70°	2731.0	2789.6	3284.5	3988.1	4226.0	4303.7	3989.0	4001.8	4040.2	4409.0	4265.3
72.5°	1836.2	1875.6	2599.3	3394.3	4088.7	4616.6	4235.1	3917.6	3624.9	3232.4	3105.2
75°	706.3	710.9	1310.2	2333.0	3535.2	4460.2	3975.3	3302.8	2462.0	1573.6	1477.6
77.5°	263.5	258.9	379.7	1081.4	2244.3	3465.7	2968.0	2024.7	1025.6	412.6	403.5
80°	93.3	96.1	147.3	325.7	912.2	2024.7	1652.3	824.3	301.9	91.5	84.2
82.5°	36.6	39.3	75.0	154.6	391.6	850.0	705.4	350.4	176.6	34.8	32.9
85°	8.2	9.1	29.3	76.9	149.1	246.1	247.9	214.1	146.4	16.5	15.6
87.5°	0.9	1.8	8.2	10.1	11.9	6.4	21.0	22.0	40.3	6.4	6.4
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	1.8	0.9	0.9	0.0	80.5	83.3	86.0	86.9
10°	2.7	2.7	2.7	1.8	1.8	84.2	98.8	95.2	88.7	86.0	86.9
12.5°	99.7	97.0	31.1	6.4	76.9	92.4	75.9	63.1	56.7	52.1	52.1
15°	217.7	209.5	174.7	133.6	125.3	71.4	48.5	41.2	60.4	73.2	73.2
17.5°	231.5	221.4	195.8	194.0	127.2	62.2	50.3	65.0	68.6	72.3	72.3
20°	448.3	401.6	276.3	185.7	93.3	75.9	63.1	62.2	65.0	69.5	70.4
22.5°	480.3	457.5	347.7	225.1	85.1	82.3	73.2	69.5	93.3	101.6	101.6
25°	610.2	588.3	374.2	179.3	103.4	84.2	92.4	86.9	88.7	96.1	96.1
27.5°	780.4	740.2	491.3	151.0	96.1	91.5	94.2	86.9	102.5	121.7	121.7
30°	864.6	784.1	470.3	133.6	97.9	99.7	90.6	106.1	106.1	113.4	114.4
32.5°	1153.7	1097.9	529.7	112.5	97.9	91.5	98.8	100.6	98.8	128.1	129.0
35°	1227.8	1161.0	453.8	117.1	93.3	88.7	88.7	99.7	106.1	112.5	113.4
37.5°	1318.4	1231.5	356.8	109.8	97.0	86.0	81.4	85.1	93.3	109.8	110.7
40°	1433.7	1308.3	274.5	103.4	90.6	78.7	74.1	77.8	77.8	82.3	83.3
42.5°	1589.2	1399.8	203.1	98.8	85.1	72.3	65.0	60.4	57.6	56.7	57.6
45°	1802.4	1516.9	151.9	94.2	81.4	64.0	54.0	43.9	36.6	36.6	37.5
47.5°	2055.8	1647.8	123.5	86.9	75.9	54.9	41.2	28.4	22.9	23.8	24.7
50°	2325.7	1785.9	108.0	80.5	69.5	44.8	27.4	17.4	14.6	15.6	16.5
52.5°	2575.5	1875.6	101.6	74.1	61.3	34.8	17.4	11.9	11.0	11.0	11.9
55°	2826.2	1943.3	96.1	67.7	49.4	22.9	10.1	9.1	9.1	8.2	8.2
57.5°	3059.5	1983.5	86.9	58.6	34.8	13.7	7.3	7.3	6.4	6.4	6.4
60°	3273.5	1979.0	69.5	43.9	22.0	8.2	5.5	5.5	4.6	4.6	4.6
62.5°	3492.2	1958.8	49.4	31.1	14.6	5.5	3.7	3.7	2.7	1.8	2.7
65°	3624.0	1902.1	32.9	22.0	9.1	3.7	2.7	1.8	0.9	0.0	0.9
67.5°	3569.1	1737.4	24.7	16.5	6.4	2.7	1.8	0.9	0.0	0.0	0.0
68°	3518.7	1685.3	22.9	15.6	5.5	2.7	1.8	0.9	0.0	0.0	0.0
70°	3122.6	1404.4	20.1	12.8	4.6	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	2083.2	912.2	16.5	10.1	3.7	1.8	1.8	0.9	0.0	0.0	0.0
75°	960.7	292.8	12.8	8.2	2.7	1.8	1.8	0.9	0.0	0.0	0.0
77.5°	256.2	62.2	8.2	5.5	2.7	1.8	1.8	0.9	0.9	0.9	0.0
80°	61.3	19.2	5.5	4.6	2.7	1.8	1.8	0.9	0.9	0.9	0.0
82.5°	22.9	10.1	3.7	3.7	2.7	1.8	1.8	0.9	1.8	1.8	0.0
85°	10.1	6.4	3.7	3.7	2.7	1.8	1.8	1.8	1.8	2.7	0.0
87.5°	4.6	4.6	3.7	3.7	3.7	1.8	2.7	2.7	2.7	2.7	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)