

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: P413783

Luminaire Tested: **LXF.LXT-PA1-100-730-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7659 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 96
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

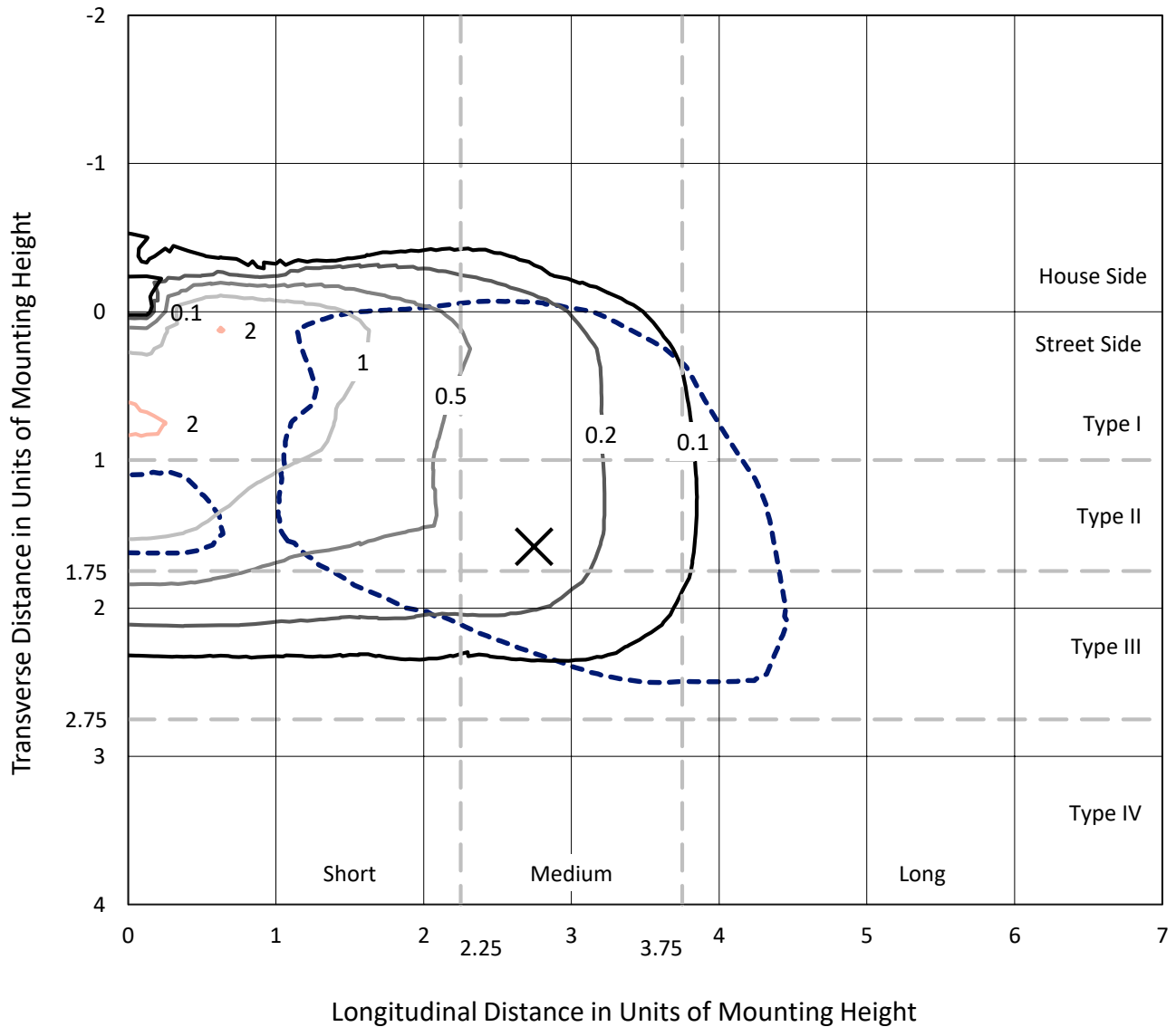


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Iso-Footcandle Lines of Horizontal Illumination

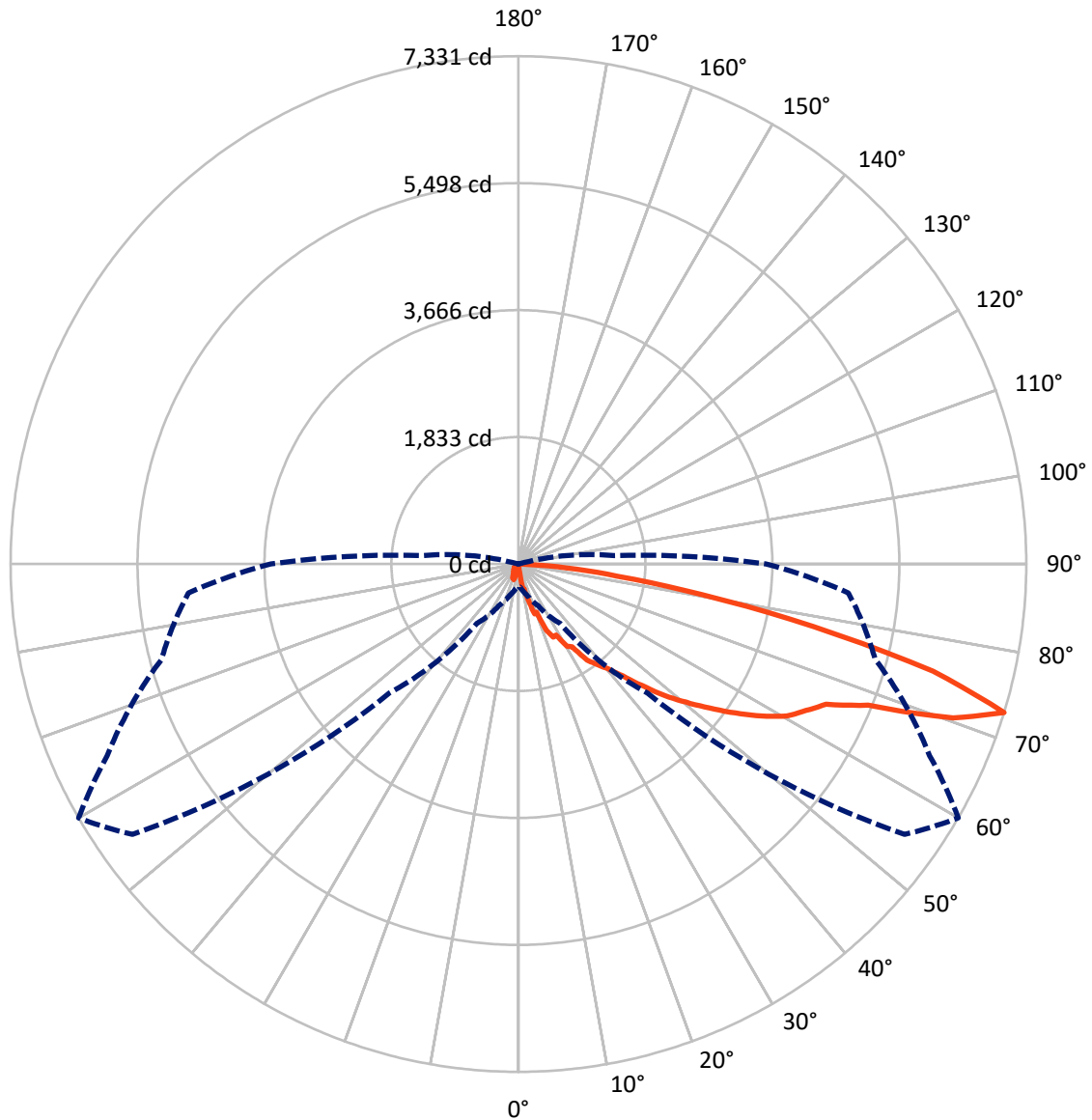
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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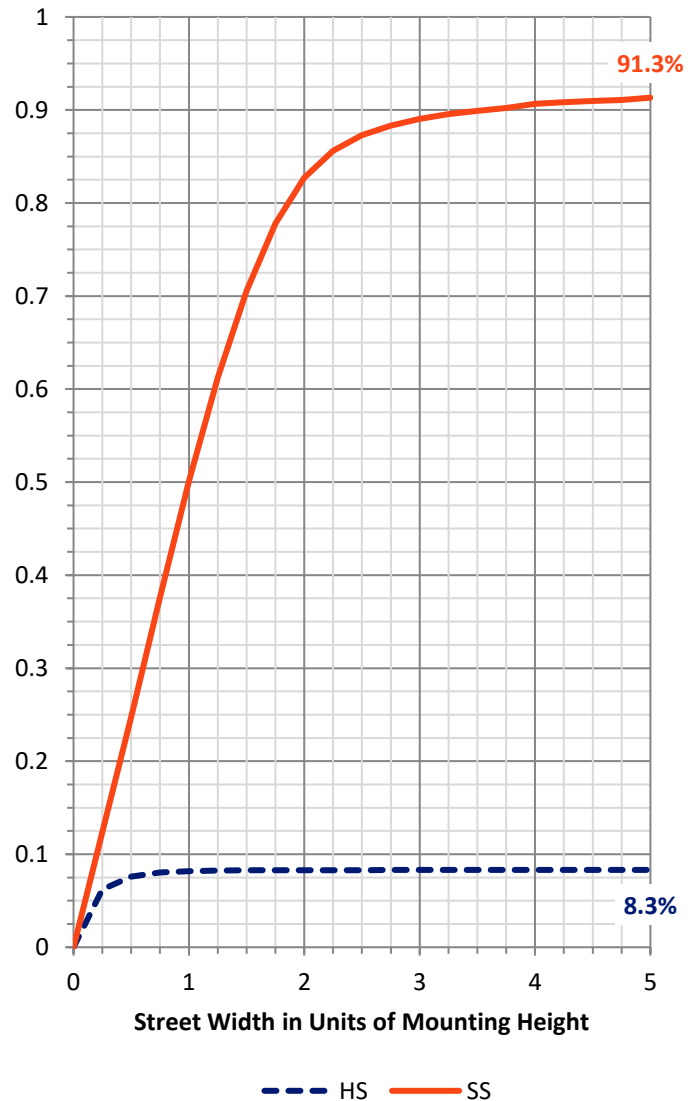
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	642.4	0.0	642.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	7016.6	0.0	7016.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	7659.0	0.0	7659.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	106.7	1.4
20°-30°	333.6	4.4
30°-40°	719.2	9.4
40°-50°	1222.8	16.0
50°-60°	1807.8	23.6
60°-70°	1966.5	25.7
70°-80°	1340.2	17.5
80°-90°	152.0	2.0
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°	7659.0	100.0
0°-180°	7659.0	100.0



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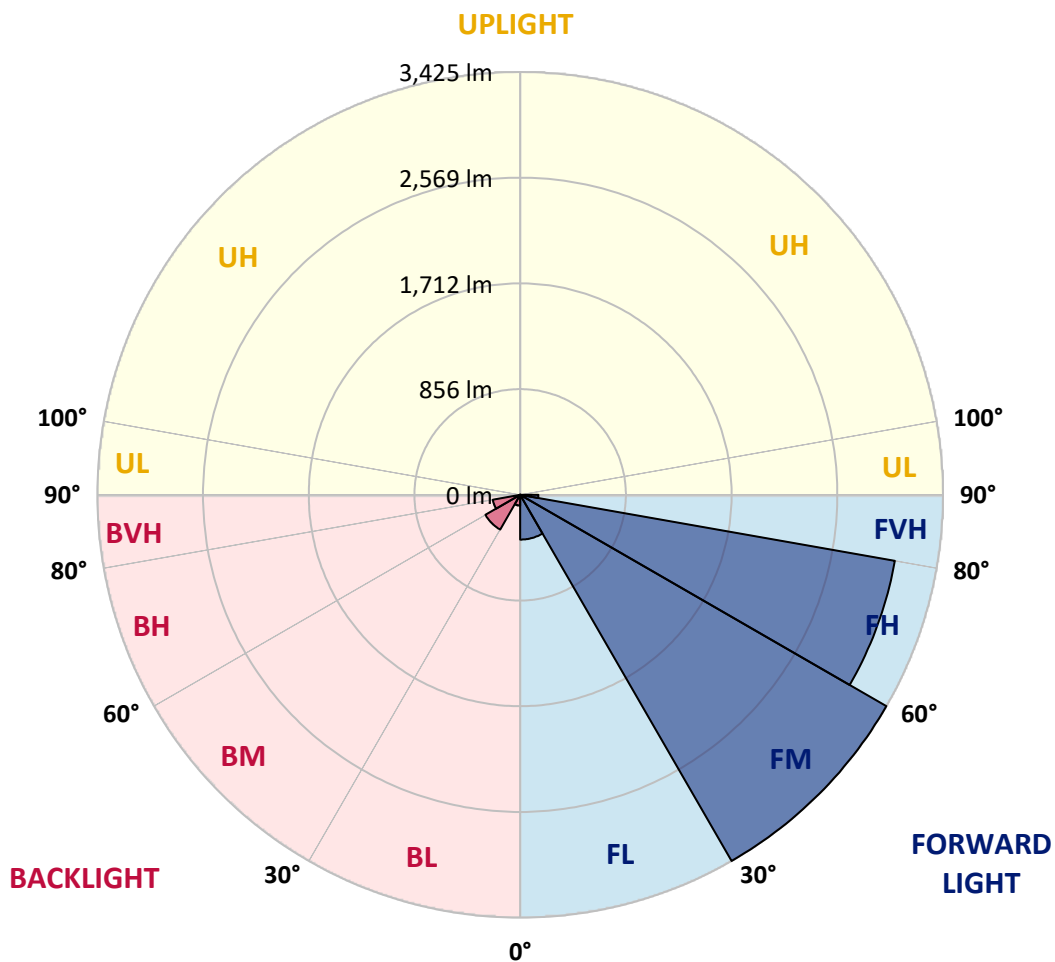
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.7	4.7			
FM (30°-60°)	3425.0	44.7			
FH (60°-80°)	3081.5	40.2			G2/5000
FVH (80°-90°)	147.4	1.9			G2/225
BL (0°-30°)	87.8	1.1	B0/110		
BM (30°-60°)	324.9	4.2	B1/1000		
BH (60°-80°)	225.1	2.9	B1/500		G1/500
BVH (80°-90°)	4.6	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	7.0	5.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	4.0
5°	391.8	386.8	386.8	388.8	252.6	42.8	23.9	9.9	4.0	4.0	4.0
7.5°	371.9	367.9	369.9	374.9	377.8	382.8	382.8	117.3	37.8	4.0	4.0
10°	380.8	377.8	361.9	359.0	364.9	369.9	371.9	380.8	369.9	10.9	4.0
12.5°	670.2	665.2	665.2	674.2	391.8	358.0	361.9	370.9	320.2	41.8	22.9
15°	641.3	637.4	638.4	649.3	664.2	471.3	371.9	550.9	707.0	638.4	507.1
17.5°	894.9	770.6	666.2	634.4	637.4	658.2	720.9	757.7	718.9	726.9	552.8
20°	913.8	906.8	902.9	909.8	652.3	868.0	916.8	743.8	723.9	778.6	1020.2
22.5°	945.6	929.7	897.9	893.9	1004.3	855.1	887.9	1040.1	1067.9	1140.5	1061.9
25°	1280.7	1268.8	1236.0	940.6	1030.1	982.4	1119.6	1170.3	1153.4	1201.1	1151.4
27.5°	1407.0	1384.1	1313.5	1221.0	1093.8	1158.4	1132.5	1160.4	1273.7	1654.6	1623.7
30°	1971.8	1911.1	1716.2	1406.0	1300.6	1206.1	1317.5	1376.2	1471.6	1693.3	1664.5
32.5°	2142.8	2078.1	1937.0	1789.8	1541.2	1367.2	1449.7	1423.9	1492.5	2066.2	2185.5
35°	2640.9	2611.1	2356.6	1947.9	1884.3	1612.8	1522.3	1700.3	1801.7	2095.1	2296.9
37.5°	2646.9	2648.9	2634.0	2357.6	2066.2	1812.7	1829.6	1836.5	1915.1	2232.3	2426.2
40°	2731.4	2745.3	2782.1	2573.3	2327.7	2102.0	2057.3	1987.7	2057.3	2386.4	2603.2
42.5°	2908.4	2918.4	2999.9	2782.1	2534.5	2327.7	2350.6	2208.4	2259.1	2677.7	2843.8
45°	3219.6	3213.7	3316.1	3001.9	2727.4	2585.3	2611.1	2501.7	2470.9	2916.4	3126.2
47.5°	3571.6	3593.5	3589.5	3244.5	2919.3	2824.9	2899.5	2840.8	2719.5	3220.6	3455.3
50°	3904.7	3897.8	3794.4	3381.7	3090.4	3059.5	3231.6	3135.1	3024.7	3529.9	3772.5
52.5°	4026.0	4032.0	3908.7	3464.2	3236.5	3292.2	3549.8	3452.3	3309.1	3750.6	4087.7
55°	4004.2	4012.1	3942.5	3548.8	3345.9	3510.0	3879.9	3796.3	3635.3	3990.2	4324.3
57.5°	3799.3	3799.3	3856.0	3601.5	3452.3	3704.9	4174.2	4140.4	3941.5	4189.1	4465.5
60°	3276.3	3332.0	3510.0	3537.8	3577.6	3915.7	4465.5	4454.6	4213.0	4375.0	4549.1
62.5°	2519.6	2537.5	2931.3	3229.6	3587.5	4199.1	4711.1	4658.4	4413.8	4431.7	4607.7
65°	1428.9	1510.4	1874.3	2628.0	3383.7	4495.4	5105.9	4880.2	4589.8	4499.3	4823.5
67.5°	769.6	799.4	1002.3	1590.9	2773.2	4528.2	6000.8	5443.0	5007.4	4855.3	5246.1
70°	497.2	529.0	638.4	874.0	1739.1	4004.2	6843.0	6655.0	5869.5	5342.5	5310.7
72.5°	323.2	342.0	460.4	658.2	1046.0	2638.0	6804.2	7331.2	6550.6	5333.6	4780.7
75°	131.3	144.2	230.7	547.9	884.0	1292.6	5220.2	6181.7	6149.9	4740.0	3699.9
77.5°	65.6	69.6	102.4	296.3	784.5	894.9	3303.2	4360.1	4378.0	3455.3	2057.3
80°	42.8	41.8	58.7	139.2	534.9	814.4	1847.5	2678.7	2504.7	1310.5	576.7
82.5°	16.9	17.9	31.8	79.5	223.7	736.8	1054.0	1441.8	1127.6	255.5	166.1
85°	3.0	3.0	9.9	42.8	70.6	337.1	680.1	698.0	463.4	80.5	83.5
87.5°	1.0	1.0	2.0	3.0	5.0	8.0	29.8	13.9	8.9	13.9	15.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.0	4.0	4.0	3.0	3.0	2.0	0.0	0.0	1.0	1.0	1.0
5°	4.0	4.0	4.0	3.0	3.0	1.0	0.0	0.0	1.0	1.0	1.0
7.5°	4.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0
10°	4.0	4.0	4.0	3.0	2.0	1.0	28.8	184.0	189.9	190.9	188.9
12.5°	24.9	25.9	13.9	3.0	2.0	171.0	170.0	142.2	124.3	117.3	108.4
15°	539.9	513.1	424.6	250.6	138.2	140.2	103.4	76.6	61.6	57.7	55.7
17.5°	534.9	496.2	390.8	228.7	240.6	105.4	55.7	61.6	80.5	81.5	81.5
20°	1005.3	882.0	381.8	255.5	162.1	91.5	72.6	76.6	76.6	77.6	76.6
22.5°	1048.0	924.7	571.7	326.1	116.3	96.4	82.5	71.6	73.6	95.5	92.5
25°	1057.0	906.8	530.0	255.5	112.4	96.4	90.5	87.5	98.4	98.4	99.4
27.5°	1523.3	1274.7	642.3	191.9	111.4	100.4	100.4	91.5	88.5	87.5	88.5
30°	1520.3	1231.0	547.9	162.1	107.4	99.4	90.5	81.5	98.4	99.4	99.4
32.5°	1995.6	1574.0	530.0	131.3	107.4	91.5	79.5	84.5	78.6	78.6	78.6
35°	2023.5	1534.2	417.6	136.2	95.5	83.5	77.6	65.6	69.6	70.6	68.6
37.5°	2077.2	1506.4	317.2	123.3	95.5	77.6	63.6	58.7	54.7	53.7	53.7
40°	2173.6	1508.4	244.6	113.4	89.5	70.6	56.7	47.7	49.7	49.7	48.7
42.5°	2317.8	1537.2	191.9	104.4	80.5	62.6	47.7	42.8	39.8	39.8	38.8
45°	2508.7	1598.9	157.1	97.4	73.6	53.7	38.8	34.8	31.8	31.8	30.8
47.5°	2745.3	1685.4	137.2	90.5	65.6	44.7	31.8	27.8	25.9	24.9	24.9
50°	2997.9	1788.8	126.3	84.5	56.7	35.8	25.9	21.9	19.9	19.9	18.9
52.5°	3259.4	1907.1	117.3	80.5	48.7	29.8	19.9	15.9	14.9	13.9	14.9
55°	3471.2	1978.7	111.4	79.5	40.8	23.9	14.9	11.9	10.9	9.9	9.9
57.5°	3610.4	2017.5	103.4	73.6	32.8	17.9	10.9	8.0	7.0	7.0	7.0
60°	3719.8	2039.4	93.5	58.7	25.9	12.9	7.0	5.0	5.0	5.0	5.0
62.5°	3806.3	2054.3	78.6	45.7	19.9	8.9	5.0	3.0	3.0	3.0	3.0
65°	4062.8	2141.8	60.7	34.8	14.9	6.0	3.0	2.0	1.0	2.0	2.0
67.5°	4375.0	2178.6	44.7	24.9	10.9	4.0	2.0	1.0	1.0	1.0	2.0
70°	4251.7	1898.2	32.8	17.9	8.0	3.0	2.0	1.0	1.0	1.0	2.0
72.5°	3572.6	1387.1	23.9	12.9	6.0	3.0	2.0	1.0	1.0	2.0	2.0
75°	2569.3	782.5	18.9	8.9	5.0	3.0	2.0	2.0	2.0	3.0	3.0
77.5°	1209.1	291.3	18.9	8.0	5.0	3.0	2.0	2.0	3.0	4.0	2.0
80°	293.3	72.6	18.9	7.0	5.0	3.0	3.0	3.0	4.0	4.0	2.0
82.5°	98.4	30.8	13.9	6.0	5.0	3.0	3.0	4.0	4.0	5.0	3.0
85°	59.7	19.9	9.9	7.0	6.0	3.0	4.0	4.0	5.0	6.0	3.0
87.5°	9.9	8.0	7.0	7.0	6.0	4.0	4.0	5.0	5.0	6.0	4.0
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)