

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: P416704

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6611 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G2

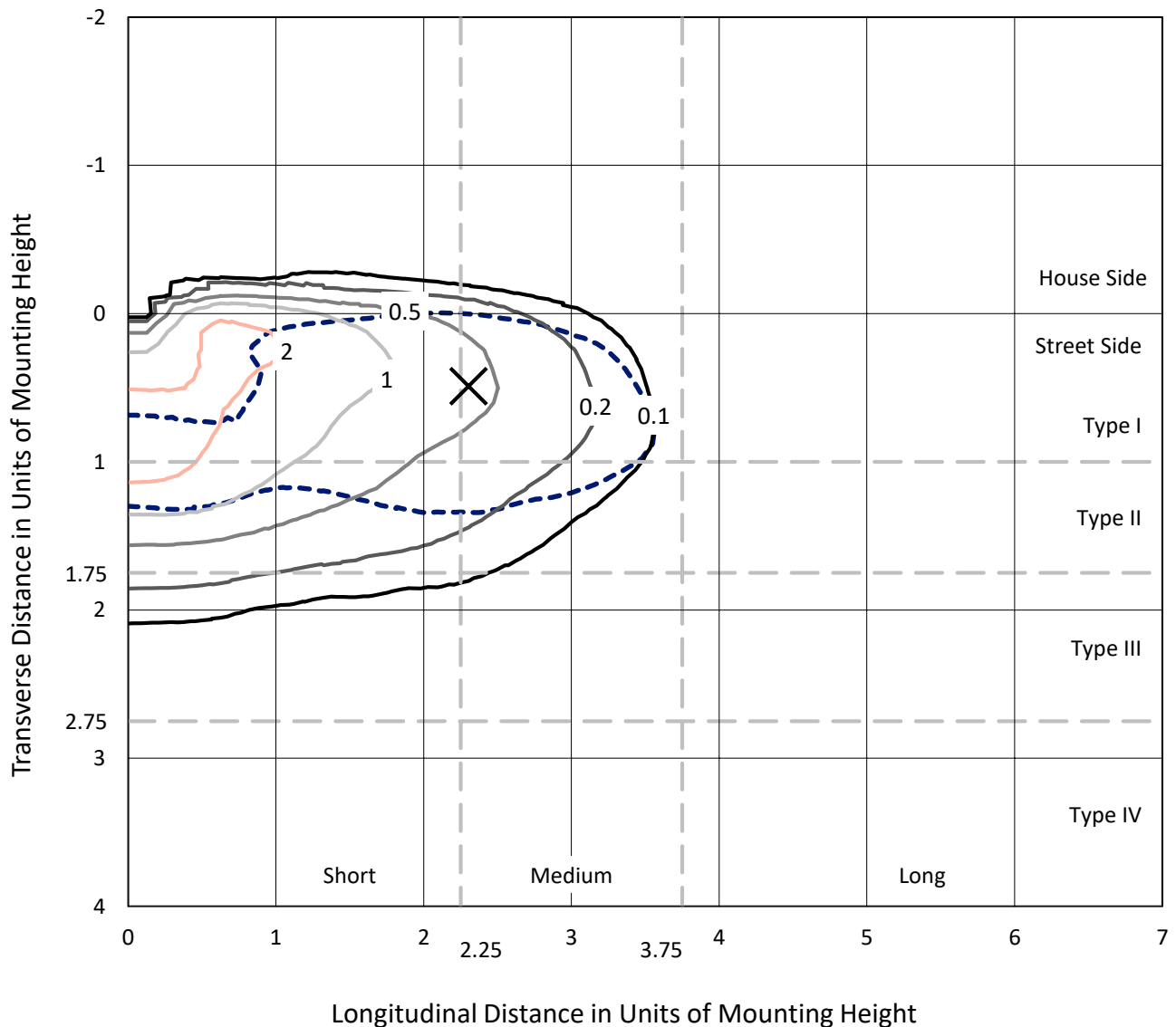
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

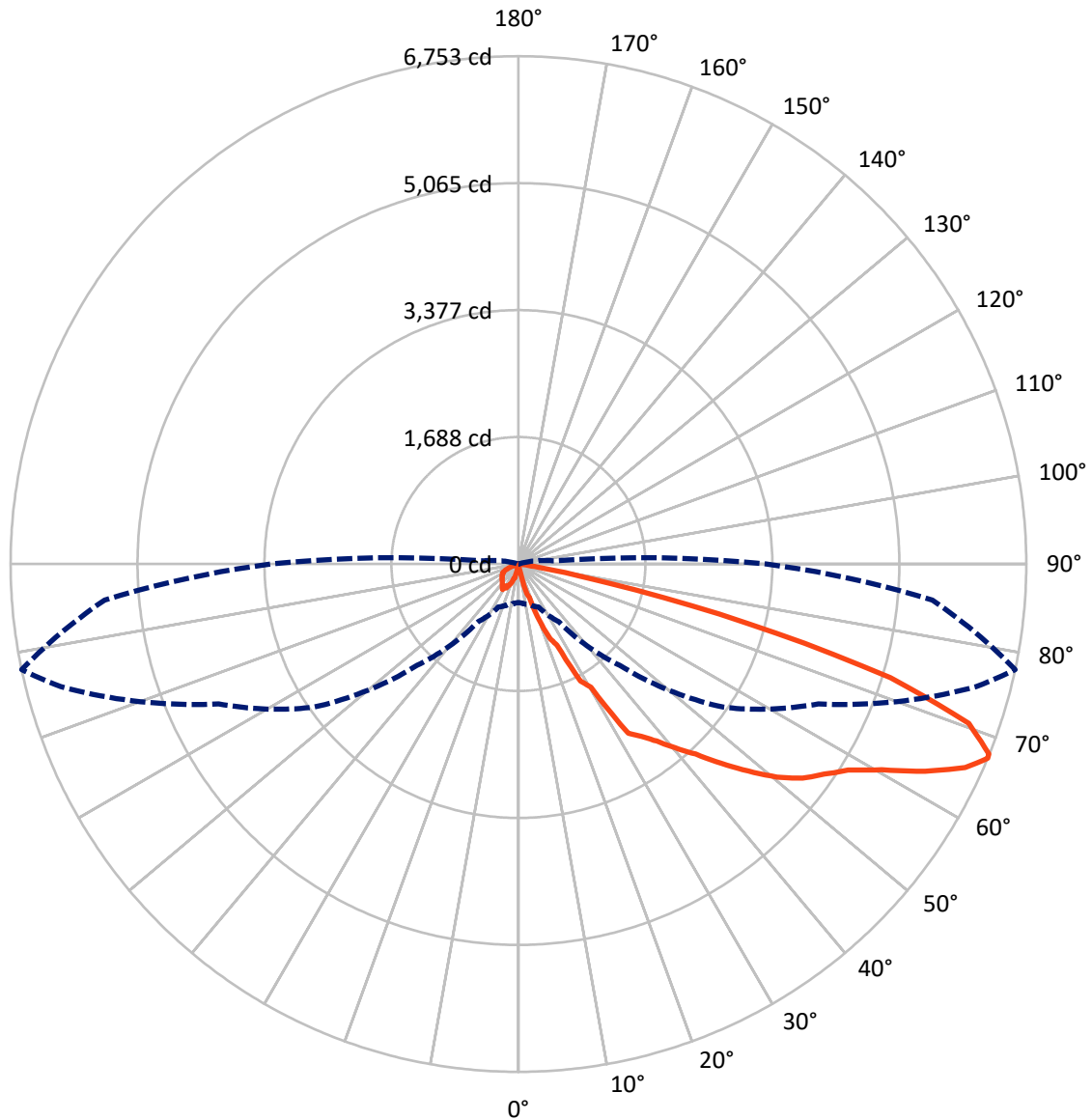
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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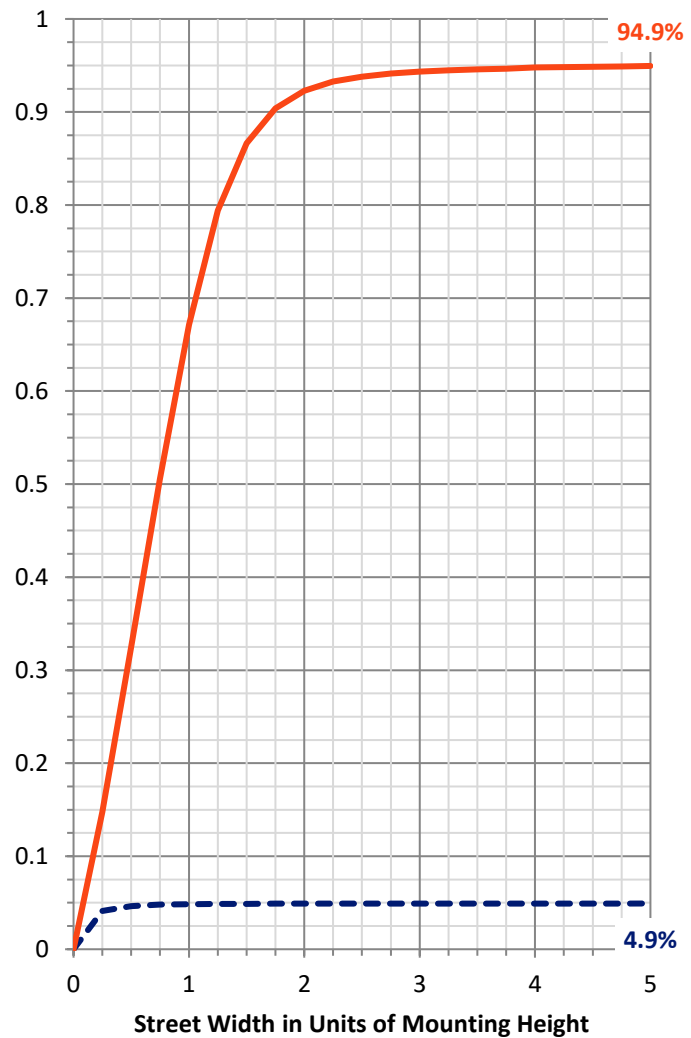
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.4	0.0	327.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6283.6	0.0	6283.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	6611.0	0.0	6611.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	90.1	1.4
20°-30°	359.0	5.4
30°-40°	913.2	13.8
40°-50°	1495.1	22.6
50°-60°	1685.9	25.5
60°-70°	1453.8	22.0
70°-80°	584.8	8.8
80°-90°	22.9	0.3
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°	6611.0	100.0
0°-180°	6611.0	100.0



--- HS — SS

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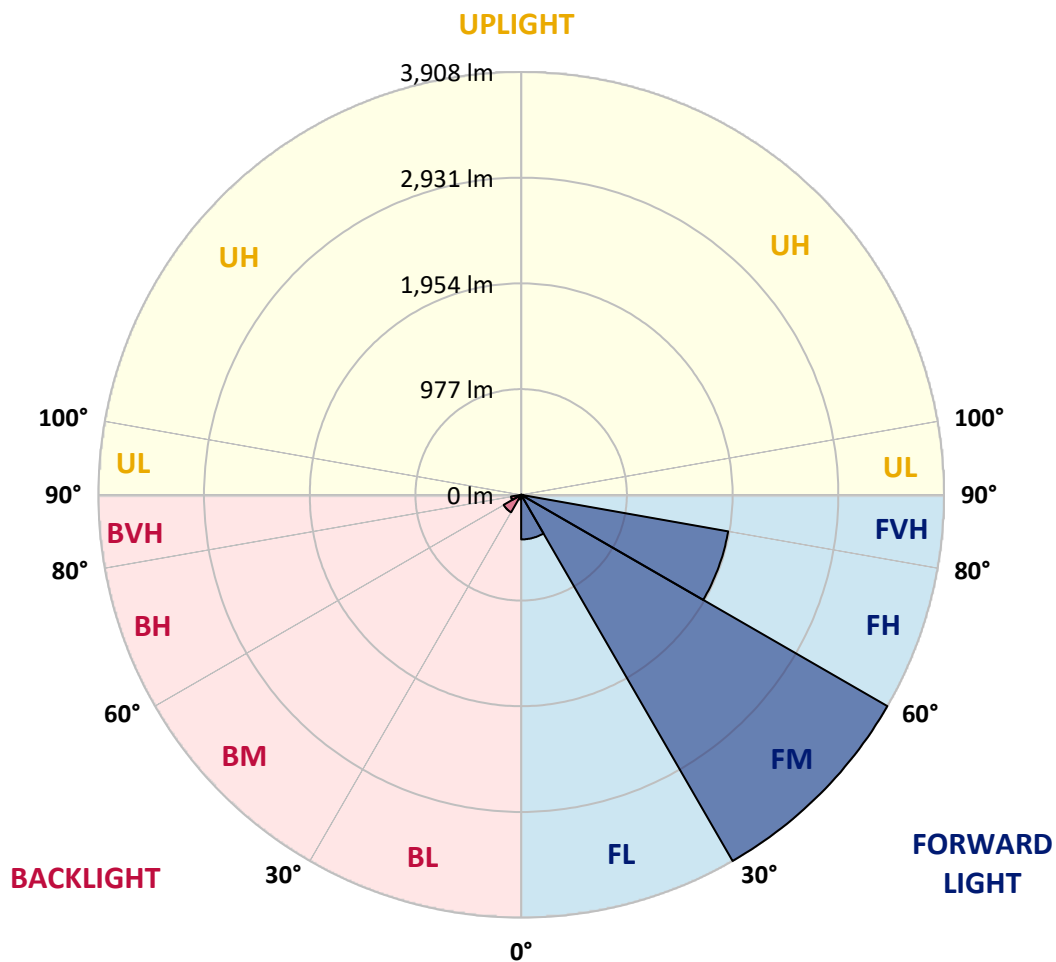
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.3	6.2			
FM (30°-60°)	3907.8	59.1			
FH (60°-80°)	1942.9	29.4			G2/5000
FVH (80°-90°)	20.6	0.3			G1/100
BL (0°-30°)	43.0	0.6	B0/110		
BM (30°-60°)	186.4	2.8	B0/220		
BH (60°-80°)	95.7	1.4	B0/110		G0/110
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	1.8	1.8	3.6	3.6	2.7	2.7	2.7	2.7	2.7
5°	276.9	216.8	153.9	44.6	17.3	8.2	3.6	2.7	2.7	2.7	1.8
7.5°	308.7	306.0	302.4	300.5	295.1	286.0	20.0	3.6	2.7	2.7	2.7
10°	330.6	325.1	324.2	323.3	319.7	312.4	298.7	17.3	2.7	2.7	2.7
12.5°	663.9	661.2	650.3	380.7	342.4	335.1	323.3	232.2	18.2	153.0	165.8
15°	655.7	653.9	661.2	675.8	689.4	367.9	525.5	663.0	407.1	389.8	406.2
17.5°	678.5	677.6	665.7	677.6	698.5	815.1	750.4	723.1	451.7	471.8	433.5
20°	1016.4	1014.6	1024.6	963.6	724.9	1015.5	942.6	783.2	887.1	815.1	818.7
22.5°	1067.4	1071.0	1068.3	1089.2	1258.6	1049.2	1173.0	1217.6	1232.2	1079.2	931.7
25°	1566.5	1543.7	1496.3	1156.6	1357.0	1301.4	1490.0	1316.0	1325.1	1194.0	1194.0
27.5°	1755.0	1755.0	1715.8	1671.2	1439.9	1671.2	1568.3	1728.6	1885.2	1761.4	1495.4
30°	2381.6	2363.3	1968.1	1911.6	1792.3	1768.6	1893.4	2029.1	1959.9	1901.6	1682.1
32.5°	2831.5	2833.3	2733.1	2427.1	2131.1	1972.6	2193.0	2238.6	2612.9	2681.2	2280.5
35°	3612.9	3567.3	3077.4	2799.6	2508.2	2402.5	2391.6	2622.0	2836.9	2813.2	2471.7
37.5°	4109.2	4077.3	3840.6	3216.7	2843.3	2606.5	2748.6	2759.5	3107.4	2988.1	2700.3
40°	4336.9	4322.3	4122.0	3591.9	3137.5	2885.2	2930.7	2966.3	3378.8	3214.9	2892.5
42.5°	4520.9	4507.2	4325.1	3780.4	3419.8	3152.0	3135.6	3142.0	3598.3	3454.4	3086.5
45°	4609.2	4601.0	4522.7	3947.1	3542.7	3325.1	3358.8	3317.8	3789.6	3780.4	3301.4
47.5°	4523.6	4528.2	4550.0	4094.6	3632.9	3461.7	3575.5	3510.0	4017.2	4112.9	3543.7
50°	4222.1	4220.3	4345.1	4116.5	3684.8	3571.0	3766.8	3691.2	4287.7	4453.5	3762.2
52.5°	3294.1	3415.2	3867.0	3881.5	3673.0	3625.6	3910.7	3899.8	4542.7	4730.3	3980.8
55°	2479.0	2528.2	2957.1	3367.0	3520.0	3619.2	3961.7	4040.0	4731.2	4932.5	4152.0
57.5°	1948.1	1931.7	2166.6	2714.0	3133.8	3511.8	3949.8	4094.6	4915.2	5169.3	4377.9
60°	1425.3	1439.9	1626.6	1968.1	2577.4	3267.7	3913.4	4183.0	5206.6	5551.8	4713.9
62.5°	1033.7	1033.7	1162.1	1370.7	1974.5	2876.1	3834.2	4306.8	5662.9	6070.9	5113.8
65°	695.8	691.2	786.9	893.4	1352.4	2379.7	3621.1	4422.5	6100.1	6527.2	5457.1
67°	511.8	521.8	561.0	631.1	935.3	1906.2	3316.9	4399.7	6301.3	6753.1	5524.5
67.5°	479.0	483.6	537.3	599.3	862.5	1780.5	3230.4	4372.4	6323.2	6747.6	5489.9
70°	347.9	355.2	384.3	402.5	521.8	1174.8	2578.3	3942.6	6004.5	6352.3	4991.7
72.5°	186.7	202.2	279.6	277.8	324.2	716.7	1753.2	2926.2	4935.3	5171.1	3831.4
75°	145.7	147.5	166.7	205.8	209.5	398.9	843.3	1700.3	3122.0	3139.3	2127.5
77.5°	106.6	111.1	122.9	130.2	136.6	226.8	295.1	675.8	1382.5	1207.6	796.9
80°	71.9	74.7	81.1	96.5	112.0	128.4	95.6	180.3	325.1	252.3	119.3
82.5°	31.0	30.1	56.5	81.1	80.1	52.8	48.3	56.5	64.7	59.2	36.4
85°	1.8	2.7	29.1	39.2	33.7	22.8	30.1	23.7	24.6	23.7	18.2
87.5°	0.9	0.9	2.7	3.6	4.6	4.6	5.5	5.5	7.3	8.2	7.3
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	2.7	0.9	0.9	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	2.7	2.7	0.9	0.0	10.0	27.3	29.1	28.2
10°	2.7	2.7	2.7	2.7	1.8	23.7	32.8	31.0	30.1	29.1	29.1
12.5°	165.8	140.3	25.5	5.5	23.7	30.1	26.4	26.4	25.5	25.5	25.5
15°	362.5	304.2	143.0	48.3	37.3	25.5	23.7	23.7	39.2	42.8	41.9
17.5°	379.8	306.9	140.3	65.6	53.7	32.8	32.8	41.9	41.0	39.2	39.2
20°	722.2	473.6	162.1	64.7	49.2	51.9	39.2	36.4	34.6	32.8	32.8
22.5°	772.3	556.5	173.9	82.0	52.8	51.9	40.1	33.7	42.8	41.9	41.9
25°	997.3	672.1	157.6	76.5	68.3	47.4	42.8	37.3	36.4	34.6	34.6
27.5°	1235.9	795.1	173.9	79.2	61.9	46.4	40.1	32.8	34.6	38.3	38.3
30°	1355.2	796.0	137.5	81.1	59.2	47.4	35.5	36.4	34.6	33.7	32.8
32.5°	1818.7	1021.8	132.1	77.4	55.6	41.0	36.4	31.9	29.1	31.9	31.9
35°	1900.7	986.3	114.8	78.3	50.1	37.3	31.0	29.1	29.1	28.2	28.2
37.5°	1990.9	948.1	101.1	69.2	48.3	33.7	26.4	26.4	25.5	27.3	27.3
40°	2090.1	908.0	90.2	60.1	41.0	28.2	23.7	22.8	23.7	23.7	22.8
42.5°	2205.8	868.8	81.1	52.8	34.6	23.7	19.1	19.1	19.1	18.2	18.2
45°	2329.7	837.9	74.7	45.5	29.1	20.0	15.5	14.6	13.7	13.7	13.7
47.5°	2476.3	825.1	69.2	38.3	24.6	15.5	11.8	10.9	10.0	9.1	9.1
50°	2599.2	819.7	61.0	31.9	20.9	12.8	8.2	7.3	6.4	5.5	5.5
52.5°	2707.6	796.0	52.8	25.5	16.4	9.1	5.5	3.6	2.7	2.7	2.7
55°	2815.1	774.1	45.5	21.9	11.8	5.5	2.7	0.9	0.9	1.8	1.8
57.5°	2948.0	749.5	39.2	18.2	9.1	3.6	1.8	0.0	0.9	0.9	1.8
60°	3156.6	724.0	34.6	15.5	6.4	2.7	0.9	0.0	0.0	0.9	0.9
62.5°	3343.3	679.4	30.1	13.7	5.5	2.7	0.9	0.0	0.0	0.0	0.9
65°	3424.3	587.4	26.4	11.8	5.5	2.7	0.9	0.0	0.0	0.0	0.0
67°	3288.7	475.4	23.7	10.9	4.6	1.8	0.9	0.0	0.0	0.0	0.0
67.5°	3224.9	443.5	23.7	10.0	4.6	1.8	0.9	0.9	0.0	0.0	0.0
70°	2737.7	294.2	20.9	9.1	4.6	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	2101.1	171.2	18.2	8.2	4.6	1.8	1.8	0.9	0.9	0.0	0.0
75°	1174.8	86.5	14.6	8.2	4.6	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	376.1	47.4	10.9	7.3	4.6	2.7	2.7	1.8	2.7	2.7	0.9
80°	59.2	24.6	8.2	5.5	4.6	1.8	2.7	2.7	3.6	3.6	0.9
82.5°	21.9	13.7	6.4	5.5	4.6	1.8	2.7	2.7	3.6	4.6	0.0
85°	10.0	8.2	6.4	5.5	4.6	1.8	2.7	2.7	3.6	4.6	0.0
87.5°	4.6	6.4	5.5	5.5	4.6	1.8	2.7	2.7	3.6	3.6	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)