

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: P413853

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413853  
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-PA1-100-740-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA 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: 7380 lumens  
Efficiency: N/A  
Efficacy: 76.9 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 - G2

Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

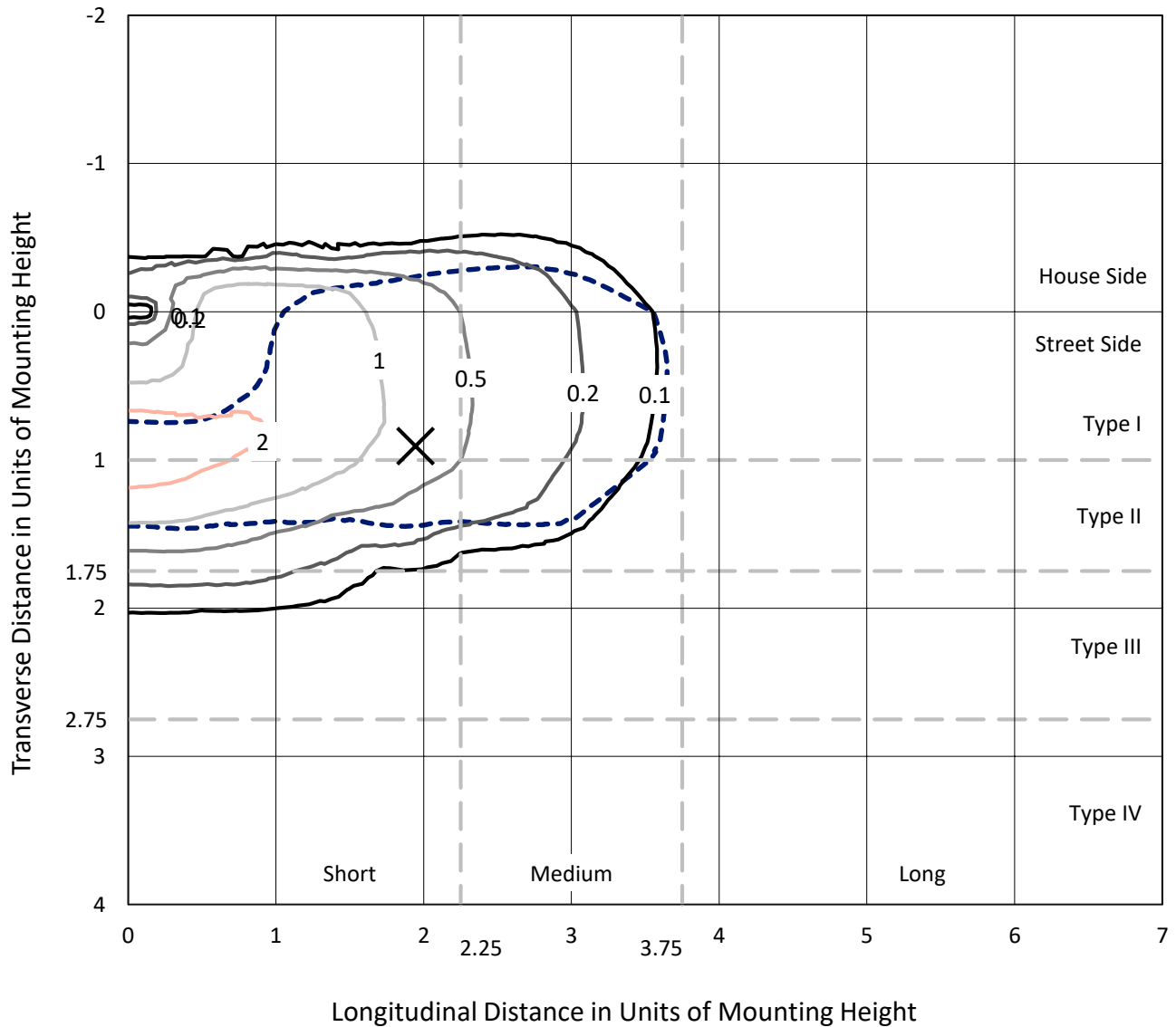


REPORT NUMBER: P413853

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

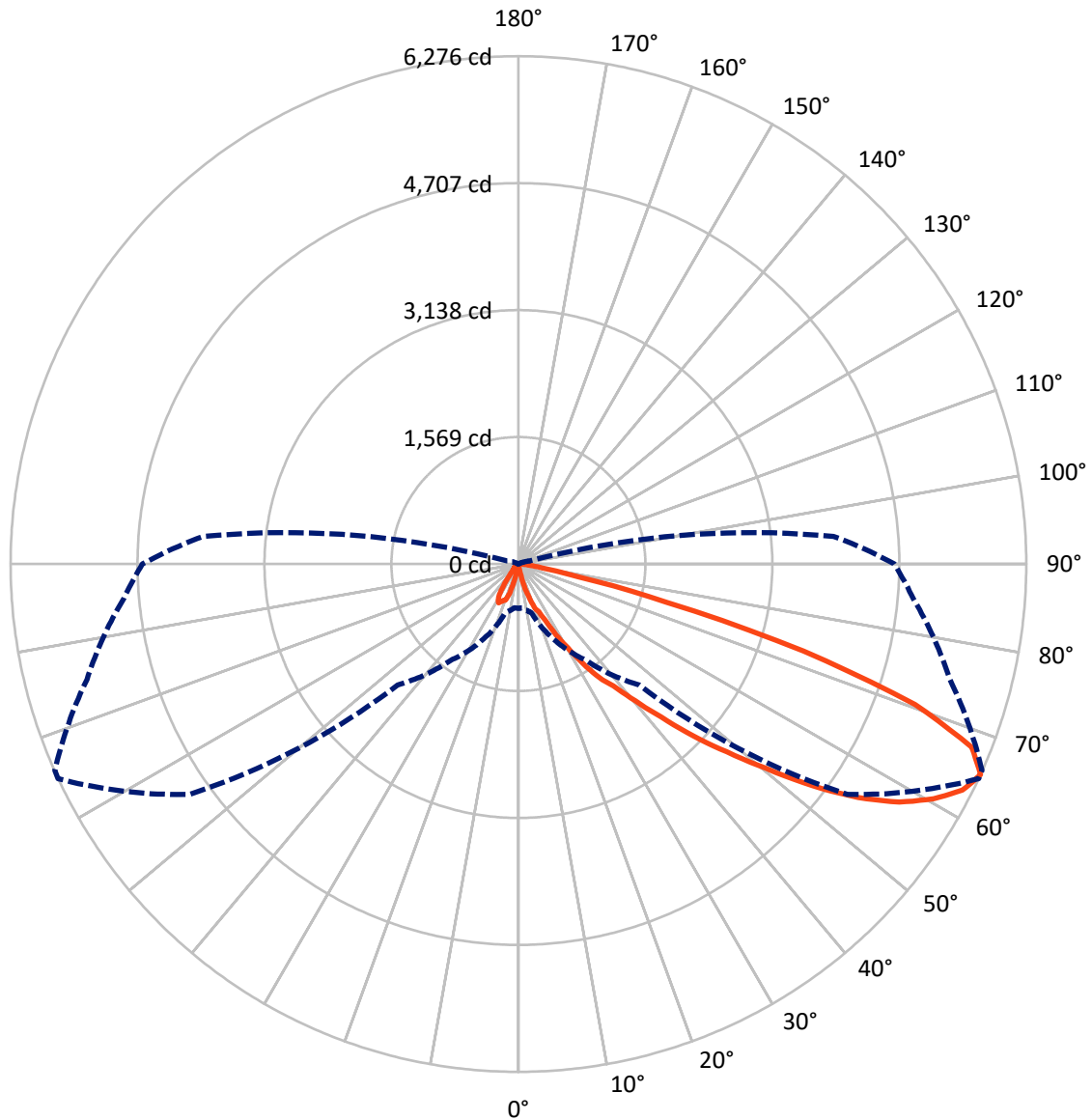


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Short - Full Cutoff

REPORT NUMBER: P413853

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2U-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P413853

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2U-HSS

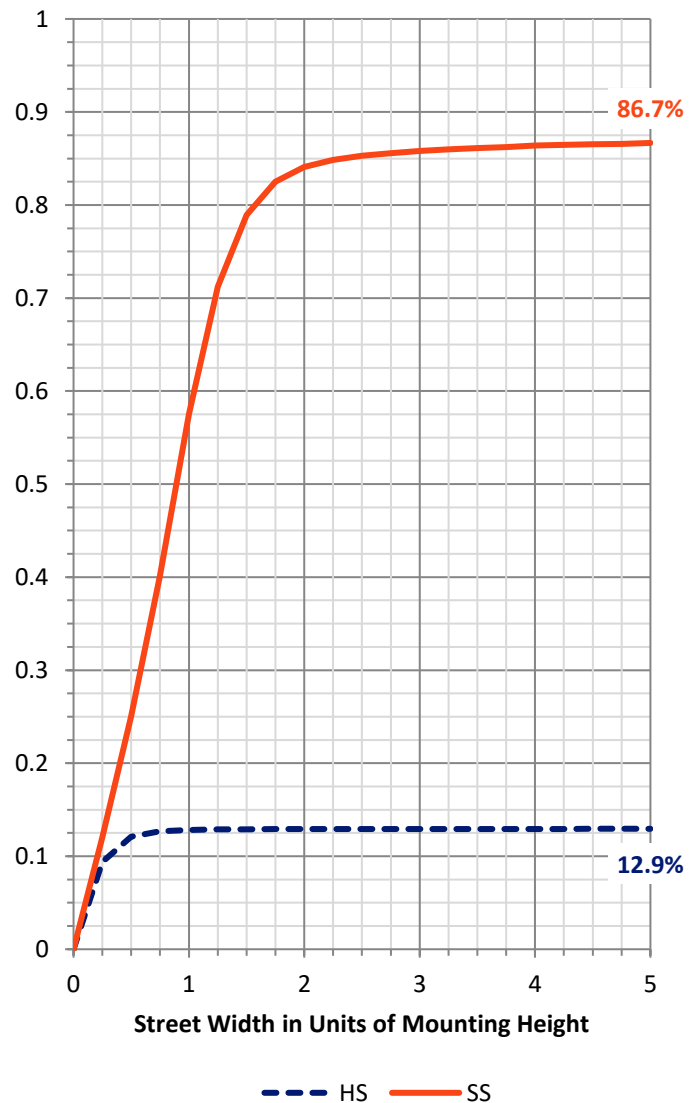
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	968.4	0.0	968.4
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	6411.7	0.0	6411.7
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	7380.0	0.0	7380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	76.7	1.0
20°-30°	260.3	3.5
30°-40°	732.3	9.9
40°-50°	1624.7	22.0
50°-60°	2178.5	29.5
60°-70°	1735.6	23.5
70°-80°	715.0	9.7
80°-90°	51.2	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°	7380.0	100.0
0°-180°	7380.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P413853

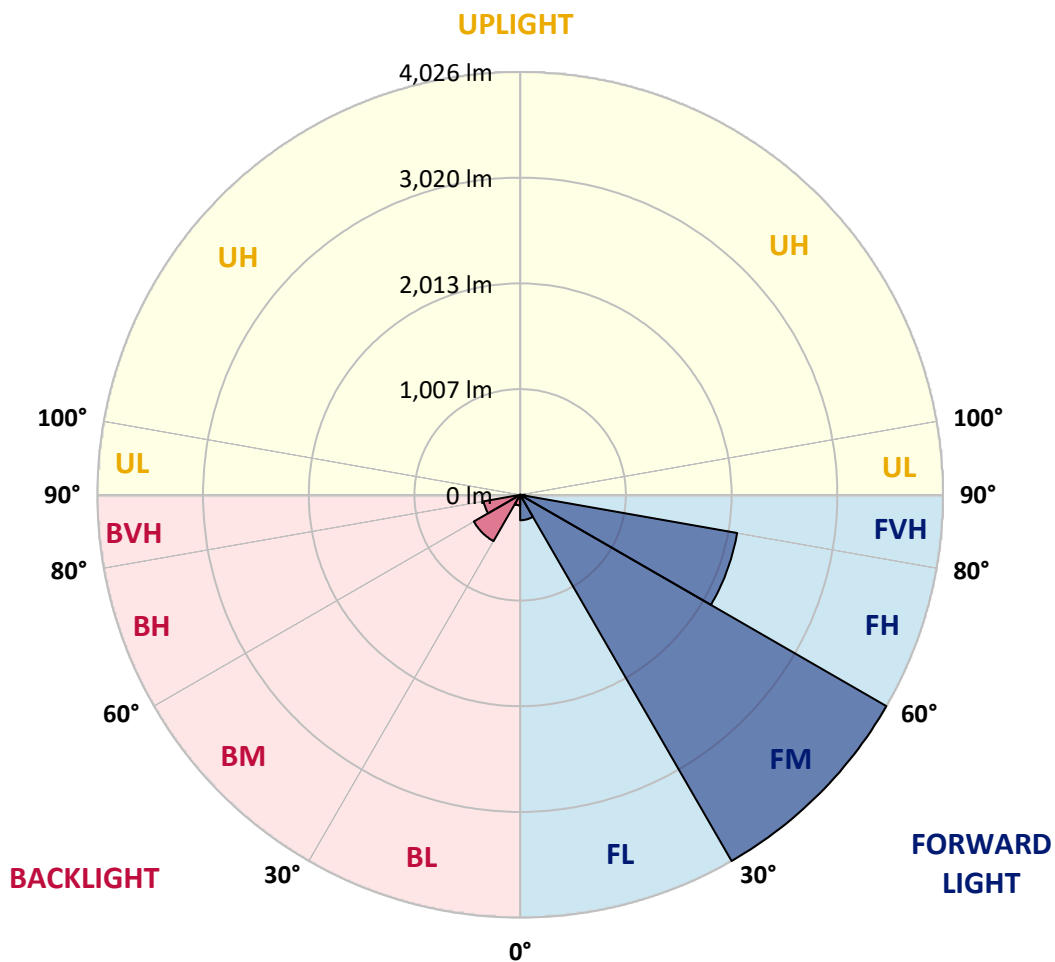
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.1	3.3			
FM	(30°-60°)	4026.3	54.6			
FH	(60°-80°)	2097.8	28.4			G2/5000
FVH	(80°-90°)	45.5	0.6			G1/100
BL	(0°-30°)	100.7	1.4	B0/110		
BM	(30°-60°)	509.2	6.9	B1/1000		
BH	(60°-80°)	352.7	4.8	B1/500		G1/500
BVH	(80°-90°)	5.7	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 II Short





REPORT NUMBER: P413853

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.1	1.1	1.1	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2
5°	31.7	29.5	21.8	12.0	6.5	4.4	3.3	2.2	2.2	2.2	2.2
7.5°	220.5	219.4	219.4	221.6	222.7	79.7	7.6	3.3	3.3	2.2	2.2
10°	211.8	210.7	210.7	214.0	217.2	218.3	209.6	5.5	4.4	2.2	2.2
12.5°	395.2	388.6	247.8	217.2	211.8	214.0	215.1	185.6	86.2	133.2	164.8
15°	396.3	393.0	396.3	401.7	320.9	223.8	326.4	318.8	318.8	234.7	322.0
17.5°	400.6	396.3	398.5	406.1	394.1	462.9	436.7	451.9	451.9	334.0	355.9
20°	591.7	590.6	599.3	438.8	490.2	574.2	476.0	584.0	595.0	496.7	514.2
22.5°	603.7	602.6	616.8	614.6	601.5	616.8	696.5	639.7	643.0	751.1	679.0
25°	840.6	820.9	665.9	653.9	790.4	732.5	835.1	770.7	764.2	908.3	861.3
27.5°	961.7	953.0	962.8	933.4	837.3	898.4	903.9	992.3	947.6	1040.3	1061.1
30°	1169.2	1174.6	1125.5	1076.4	1097.1	1042.5	1087.3	1206.3	1200.8	1179.0	1338.4
32.5°	1866.7	1810.0	1713.9	1334.0	1249.9	1210.6	1335.1	1469.4	1414.8	1495.6	1654.9
35°	2470.4	2343.8	2184.4	1913.7	1552.3	1447.5	1599.3	1731.4	1697.5	1860.2	1850.4
37.5°	3476.9	3418.0	3141.8	2450.8	2090.5	1805.6	1878.7	1910.4	1949.7	2135.3	2130.9
40°	4071.9	4004.2	3808.8	3261.9	2638.5	2240.1	2208.4	2224.8	2237.9	2424.6	2437.7
42.5°	4571.9	4541.3	4351.3	3827.3	3317.5	2944.2	2648.4	2583.9	2608.0	2796.8	2771.7
45°	4911.4	4875.3	4703.9	4338.2	3915.8	3723.6	3159.3	3033.7	3040.3	3145.1	3125.4
47.5°	4985.6	4943.0	4866.6	4663.6	4520.5	4364.4	3799.0	3468.2	3542.4	3547.9	3481.3
50°	4721.4	4669.0	4733.4	4685.4	4903.7	4982.3	4446.3	3974.7	4102.4	3985.6	3801.1
52.5°	4067.5	4083.9	4282.6	4427.8	4917.9	5414.6	5141.7	4555.5	4641.7	4347.0	4103.5
55°	3230.2	3270.6	3599.2	3865.6	4583.9	5535.8	5644.9	5093.7	5127.5	4731.2	4348.1
57.5°	2378.7	2433.3	2837.2	3134.1	3936.5	5274.9	5891.7	5551.1	5617.7	5008.5	4518.4
60°	1463.9	1514.1	1971.5	2423.5	3021.7	4524.9	5924.4	5893.8	5970.3	5203.9	4689.8
62.5°	891.9	934.5	1134.2	1683.3	2171.3	3420.2	5651.5	6156.9	6195.1	5401.5	4813.1
65°	549.1	541.5	622.2	1022.9	1448.6	2114.5	4961.6	6275.9	6271.6	5520.5	4896.1
67.5°	363.5	370.1	400.6	562.2	986.9	1143.0	3557.7	6042.3	6020.5	5578.4	4863.3
70°	322.0	324.2	354.8	398.5	710.7	665.9	1795.8	5201.7	5171.2	5422.3	4659.2
72.5°	252.2	259.8	310.0	361.3	513.1	488.0	676.8	3684.3	3723.6	4609.0	4100.3
75°	179.0	184.5	234.7	315.5	383.2	373.3	382.1	1899.5	2015.2	3059.9	3004.2
77.5°	112.4	116.8	151.7	233.6	325.3	275.1	267.5	745.6	835.1	1496.7	1503.2
80°	77.5	78.6	93.9	157.2	233.6	226.0	181.2	298.0	301.3	542.6	520.7
82.5°	45.8	45.8	62.2	97.2	143.0	184.5	116.8	149.6	155.0	200.9	114.6
85°	16.4	17.5	33.8	55.7	79.7	97.2	69.9	81.9	85.1	103.7	54.6
87.5°	1.1	2.2	10.9	17.5	21.8	19.6	22.9	25.1	28.4	33.8	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P413853

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1
5°	2.2	2.2	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1
7.5°	2.2	2.2	3.3	3.3	3.3	2.2	30.6	170.3	177.9	183.4	184.5
10°	6.5	4.4	3.3	3.3	3.3	176.8	183.4	179.0	175.8	172.5	173.6
12.5°	167.0	167.0	151.7	98.2	164.8	181.2	171.4	160.5	151.7	141.9	143.0
15°	320.9	318.8	281.6	242.3	277.3	177.9	147.4	195.4	167.0	147.4	144.1
17.5°	357.0	346.1	302.4	386.4	343.9	203.0	170.3	115.7	83.0	75.3	74.2
20°	514.2	500.0	441.0	468.3	314.4	234.7	102.6	65.5	58.9	71.0	73.1
22.5°	661.5	641.9	551.3	484.7	353.7	144.1	72.0	72.0	71.0	68.8	67.7
25°	850.4	815.5	739.1	507.6	280.6	95.0	78.6	64.4	57.9	53.5	53.5
27.5°	1044.7	997.8	847.1	540.4	184.5	88.4	69.9	54.6	57.9	55.7	55.7
30°	1328.5	1264.1	986.9	505.4	120.1	81.9	58.9	53.5	46.9	44.8	43.7
32.5°	1622.2	1504.3	1124.4	439.9	95.0	69.9	54.6	43.7	42.6	43.7	43.7
35°	1810.0	1699.7	1272.9	319.9	83.0	61.1	44.8	40.4	37.1	36.0	36.0
37.5°	2034.8	1898.4	1286.0	207.4	72.0	50.2	38.2	33.8	33.8	34.9	34.9
40°	2304.5	2154.9	1233.6	127.7	62.2	41.5	32.7	30.6	29.5	29.5	29.5
42.5°	2606.9	2418.0	1160.4	96.1	52.4	34.9	27.3	26.2	25.1	25.1	25.1
45°	2930.0	2683.3	1060.0	79.7	43.7	29.5	22.9	21.8	21.8	20.7	20.7
47.5°	3265.1	2967.1	908.3	69.9	36.0	24.0	19.6	18.6	17.5	17.5	17.5
50°	3552.2	3226.9	722.7	60.0	30.6	20.7	15.3	14.2	14.2	13.1	13.1
52.5°	3813.2	3447.4	573.1	51.3	25.1	16.4	12.0	10.9	10.9	9.8	9.8
55°	4014.0	3611.2	427.9	42.6	20.7	13.1	8.7	7.6	7.6	6.5	7.6
57.5°	4183.2	3711.6	324.2	34.9	17.5	9.8	6.5	5.5	4.4	4.4	4.4
60°	4343.7	3792.4	239.1	27.3	14.2	7.6	4.4	3.3	2.2	2.2	2.2
62.5°	4516.2	3864.5	188.9	21.8	12.0	5.5	2.2	2.2	0.0	0.0	0.0
65°	4646.1	3909.2	146.3	17.5	9.8	3.3	2.2	1.1	0.0	0.0	0.0
67.5°	4650.5	3852.5	114.6	14.2	8.7	3.3	1.1	0.0	0.0	0.0	0.0
70°	4483.4	3611.2	85.1	13.1	7.6	3.3	2.2	1.1	0.0	0.0	0.0
72.5°	3885.2	2835.0	61.1	10.9	6.5	3.3	2.2	1.1	1.1	0.0	0.0
75°	2809.9	1675.7	42.6	9.8	6.5	3.3	3.3	2.2	2.2	2.2	0.0
77.5°	1441.0	696.5	28.4	8.7	5.5	2.2	4.4	3.3	3.3	3.3	1.1
80°	422.5	240.2	17.5	7.6	5.5	2.2	4.4	4.4	4.4	4.4	1.1
82.5°	80.8	46.9	10.9	7.6	5.5	2.2	4.4	4.4	4.4	5.5	0.0
85°	31.7	18.6	7.6	6.5	5.5	2.2	4.4	4.4	5.5	5.5	0.0
87.5°	10.9	8.7	6.5	5.5	5.5	2.2	4.4	4.4	4.4	5.5	1.1
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)