

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: P416774

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416774  
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-PA1-80-740-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA 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: 7037 lumens  
Efficiency: N/A  
Efficacy: 84.8 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): 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

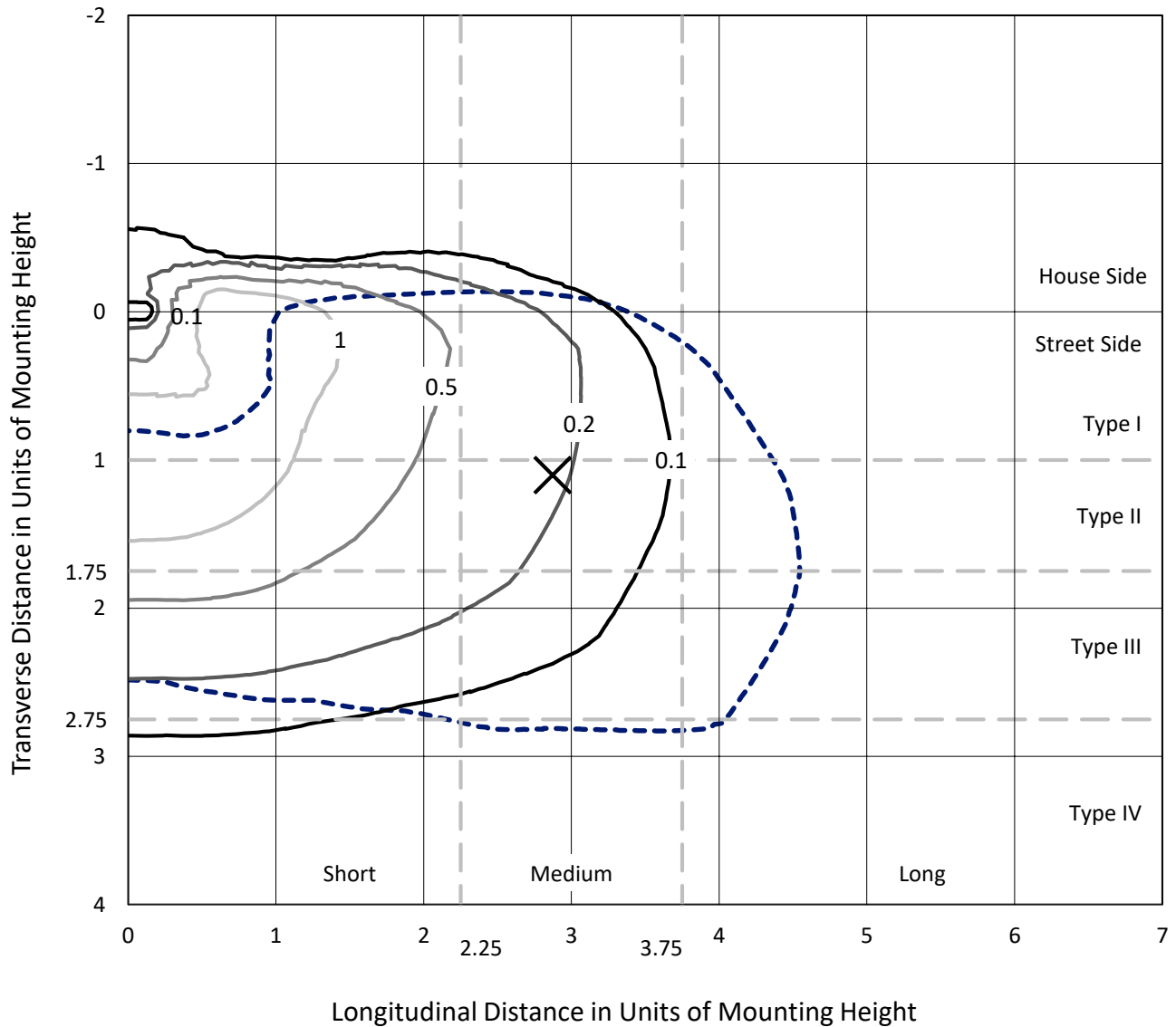


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

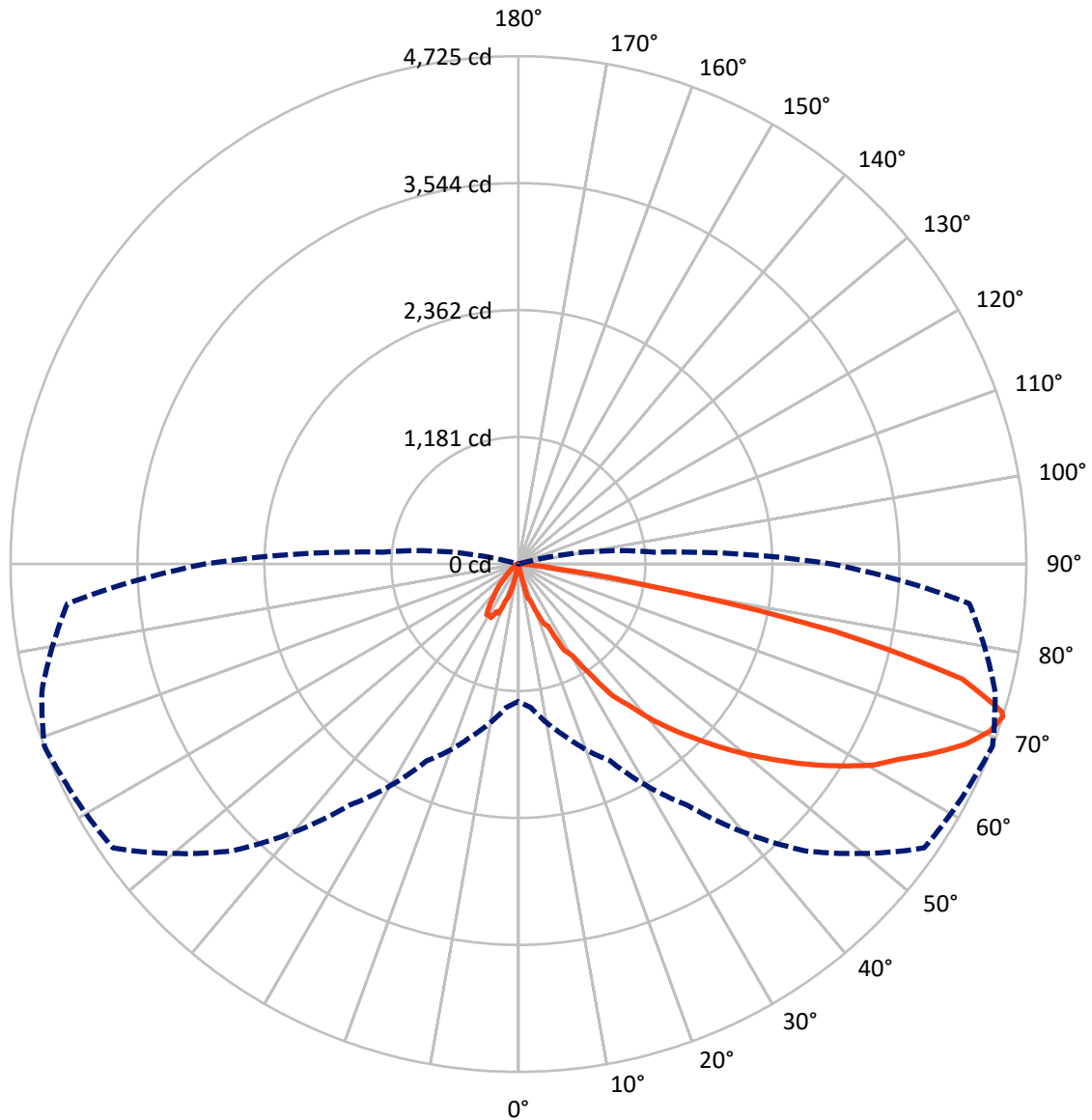


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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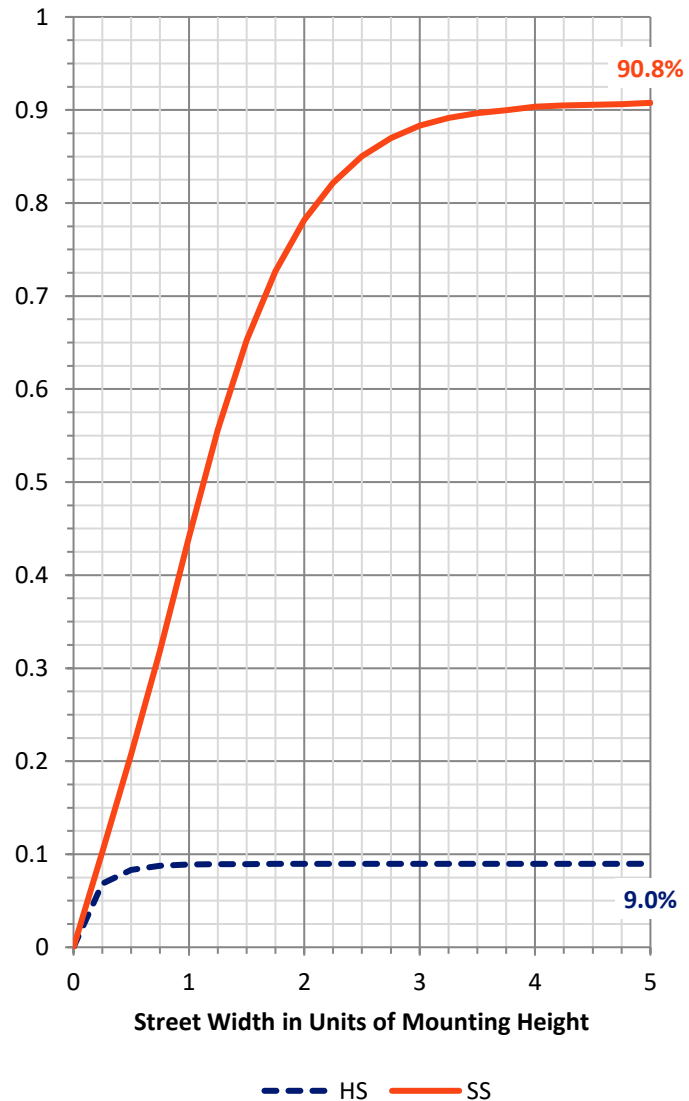
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	638.1	0.0	638.1
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	6398.9	0.0	6398.9
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	7037.0	0.0	7037.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	61.2	0.9
20°-30°	219.2	3.1
30°-40°	559.8	8.0
40°-50°	1107.7	15.7
50°-60°	1745.6	24.8
60°-70°	2030.3	28.9
70°-80°	1232.5	17.5
80°-90°	76.3	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°	7037.0	100.0
0°-180°	7037.0	100.0



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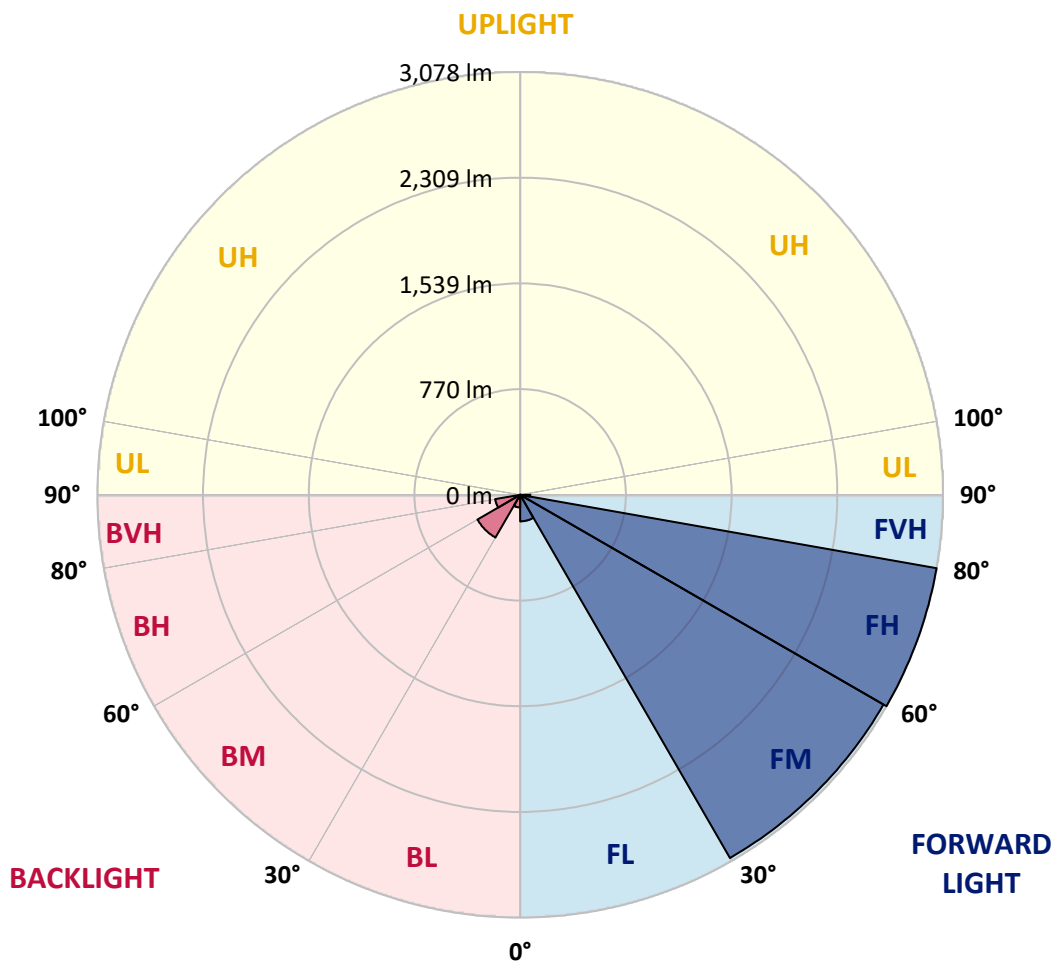
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.2	2.7			
FM	(30°-60°)	3053.8	43.4			
FH	(60°-80°)	3078.2	43.7			G2/5000
FVH	(80°-90°)	73.6	1.0			G1/100
BL	(0°-30°)	91.6	1.3	B0/110		
BM	(30°-60°)	359.2	5.1	B1/1000		
BH	(60°-80°)	184.7	2.6	B1/500		G1/500
BVH	(80°-90°)	2.6	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0
5°	98.0	64.0	48.0	40.0	20.0	5.0	3.0	3.0	3.0	3.0	3.0
7.5°	151.0	151.0	152.0	153.0	156.0	131.0	28.0	3.0	3.0	3.0	3.0
10°	146.0	145.0	145.0	147.0	151.0	155.0	159.0	21.0	5.0	3.0	3.0
12.5°	285.0	282.0	262.0	183.0	150.0	152.0	160.0	122.0	34.0	20.0	115.0
15°	282.0	281.0	283.0	288.0	290.0	162.0	237.0	322.0	329.0	222.0	269.0
17.5°	308.0	299.0	285.0	287.0	296.0	348.0	335.0	349.0	356.0	249.0	291.0
20°	426.0	425.0	427.0	335.0	313.0	441.0	388.0	379.0	471.0	493.0	547.0
22.5°	435.0	433.0	436.0	446.0	501.0	461.0	562.0	575.0	602.0	666.0	625.0
25°	609.0	609.0	500.0	466.0	571.0	521.0	696.0	654.0	640.0	715.0	804.0
27.5°	735.0	727.0	701.0	651.0	594.0	737.0	741.0	894.0	907.0	998.0	1015.0
30°	931.0	920.0	851.0	812.0	737.0	775.0	865.0	1063.0	991.0	1064.0	1138.0
32.5°	1378.0	1362.0	1275.0	1023.0	929.0	840.0	1037.0	1141.0	1212.0	1410.0	1491.0
35°	1785.0	1681.0	1562.0	1370.0	1126.0	1092.0	1119.0	1415.0	1499.0	1560.0	1642.0
37.5°	2195.0	2197.0	2078.0	1612.0	1423.0	1261.0	1349.0	1581.0	1666.0	1756.0	1830.0
40°	2524.0	2474.0	2315.0	1973.0	1679.0	1517.0	1528.0	1743.0	1894.0	2007.0	2022.0
42.5°	2943.9	2922.9	2689.0	2303.0	2010.0	1852.0	1804.0	1910.0	2110.0	2185.0	2231.0
45°	3345.9	3314.9	3115.9	2679.0	2364.0	2187.0	2121.0	2122.0	2319.0	2399.0	2465.0
47.5°	3646.9	3596.9	3489.9	3024.9	2809.0	2553.0	2416.0	2364.0	2556.0	2660.0	2697.0
50°	3961.9	3879.9	3794.9	3415.9	3192.9	2970.9	2709.0	2651.0	2790.0	2905.9	2935.9
52.5°	4172.9	4053.9	3994.9	3694.9	3536.9	3395.9	3001.9	2936.9	3035.9	3172.9	3148.9
55°	4065.9	4028.9	4092.9	3935.9	3782.9	3626.9	3320.9	3267.9	3293.9	3408.9	3351.9
57.5°	3842.9	3853.9	4042.9	4072.9	4003.9	3856.9	3606.9	3597.9	3544.9	3638.9	3564.9
60°	3609.9	3650.9	3913.9	4063.9	4113.9	4064.9	3908.9	3842.9	3795.9	3861.9	3803.9
62.5°	3297.9	3305.9	3658.9	3983.9	4071.9	4226.9	4119.9	4087.9	3990.9	4088.9	4064.9
65°	2905.9	2915.9	3247.9	3708.9	3945.9	4257.9	4284.9	4318.9	4243.9	4270.9	4346.9
67.5°	2468.0	2487.0	2777.0	3221.9	3674.9	4196.9	4421.9	4486.9	4480.9	4472.9	4547.9
70°	1998.0	2011.0	2247.0	2637.0	3236.9	4028.9	4548.9	4631.9	4654.9	4598.9	4545.9
72°	1278.0	1341.0	1653.0	2021.0	2740.0	3773.9	4605.9	4684.9	4724.9	4590.9	4210.9
72.5°	1004.0	1054.0	1527.0	1852.0	2570.0	3714.9	4594.9	4666.9	4703.9	4546.9	4068.9
75°	216.0	222.0	478.0	900.0	1621.0	2846.0	4213.9	4222.9	4262.9	3961.9	2786.0
77.5°	93.0	94.0	133.0	297.0	582.0	1455.0	2916.9	2999.9	2996.9	2564.0	1347.0
80°	65.0	67.0	79.0	136.0	277.0	421.0	1425.0	1434.0	1234.0	917.0	336.0
82.5°	34.0	36.0	56.0	81.0	188.0	154.0	461.0	465.0	343.0	216.0	78.0
85°	6.0	9.0	27.0	49.0	73.0	62.0	101.0	127.0	110.0	86.0	33.0
87.5°	1.0	1.0	7.0	7.0	10.0	6.0	10.0	11.0	12.0	18.0	9.0
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°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	92.0	124.0	132.0	141.0
10°	3.0	4.0	3.0	3.0	2.0	126.0	155.0	157.0	159.0	159.0	158.0
12.5°	127.0	130.0	46.0	9.0	117.0	160.0	152.0	139.0	127.0	123.0	122.0
15°	272.0	273.0	247.0	213.0	227.0	151.0	119.0	135.0	137.0	132.0	132.0
17.5°	293.0	293.0	280.0	342.0	287.0	151.0	125.0	103.0	88.0	84.0	83.0
20°	580.0	508.0	411.0	347.0	234.0	169.0	88.0	75.0	73.0	73.0	76.0
22.5°	626.0	617.0	535.0	468.0	201.0	119.0	86.0	86.0	102.0	100.0	99.0
25°	817.0	805.0	606.0	407.0	201.0	102.0	109.0	96.0	94.0	92.0	90.0
27.5°	1033.0	1008.0	852.0	368.0	142.0	107.0	104.0	91.0	108.0	108.0	107.0
30°	1176.0	1082.0	858.0	330.0	120.0	114.0	98.0	106.0	96.0	90.0	90.0
32.5°	1524.0	1481.0	1049.0	233.0	114.0	103.0	103.0	91.0	81.0	84.0	83.0
35°	1634.0	1578.0	934.0	175.0	105.0	95.0	86.0	80.0	69.0	62.0	61.0
37.5°	1770.0	1697.0	784.0	135.0	103.0	84.0	71.0	61.0	53.0	53.0	52.0
40°	1937.0	1826.0	641.0	115.0	91.0	72.0	55.0	47.0	42.0	39.0	38.0
42.5°	2120.0	1948.0	493.0	104.0	79.0	59.0	41.0	34.0	31.0	30.0	30.0
45°	2313.0	2061.0	354.0	95.0	69.0	46.0	30.0	24.0	23.0	23.0	23.0
47.5°	2510.0	2143.0	241.0	86.0	58.0	34.0	22.0	18.0	18.0	17.0	17.0
50°	2703.0	2199.0	166.0	77.0	47.0	24.0	16.0	15.0	15.0	14.0	14.0
52.5°	2843.0	2186.0	124.0	67.0	37.0	18.0	13.0	12.0	12.0	12.0	12.0
55°	2978.9	2157.0	102.0	57.0	28.0	13.0	10.0	9.0	9.0	9.0	9.0
57.5°	3118.9	2118.0	88.0	46.0	20.0	10.0	7.0	7.0	7.0	7.0	7.0
60°	3234.9	2042.0	76.0	37.0	14.0	7.0	6.0	5.0	5.0	5.0	5.0
62.5°	3363.9	1965.0	65.0	28.0	10.0	5.0	4.0	3.0	3.0	2.0	3.0
65°	3455.9	1871.0	53.0	20.0	7.0	4.0	3.0	2.0	1.0	0.0	1.0
67.5°	3453.9	1746.0	38.0	13.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0
70°	3302.9	1567.0	26.0	9.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
72°	2914.9	1264.0	20.0	8.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	2779.0	1160.0	18.0	7.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
75°	1765.0	483.0	14.0	6.0	4.0	2.0	2.0	1.0	1.0	1.0	0.0
77.5°	820.0	177.0	10.0	5.0	3.0	2.0	2.0	1.0	1.0	2.0	0.0
80°	179.0	52.0	7.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	0.0
82.5°	41.0	17.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	0.0
85°	15.0	10.0	6.0	5.0	4.0	2.0	2.0	3.0	3.0	4.0	0.0
87.5°	6.0	6.0	5.0	5.0	4.0	2.0	3.0	3.0	4.0	4.0	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)