

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: P416811

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-750-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9115 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

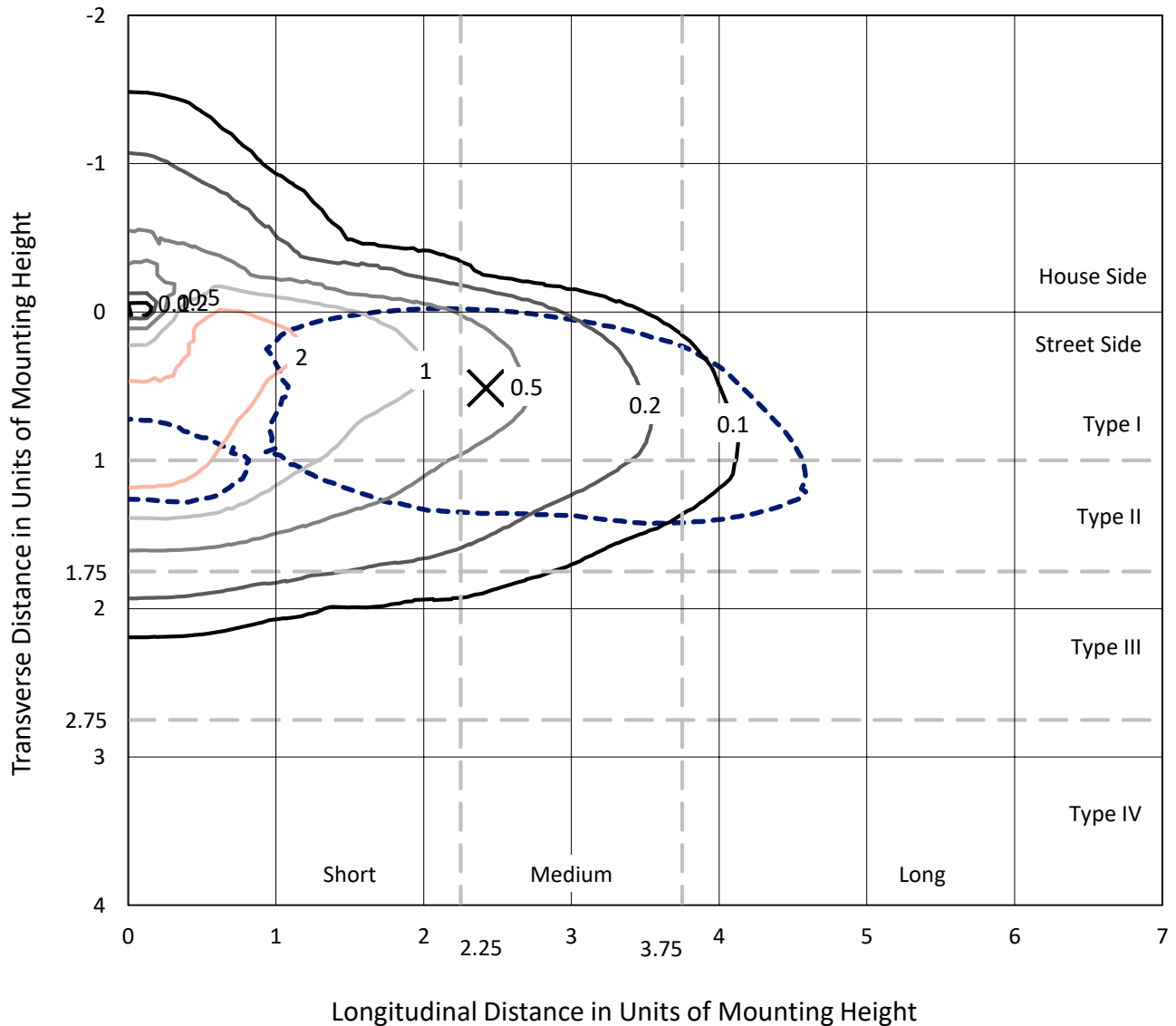
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

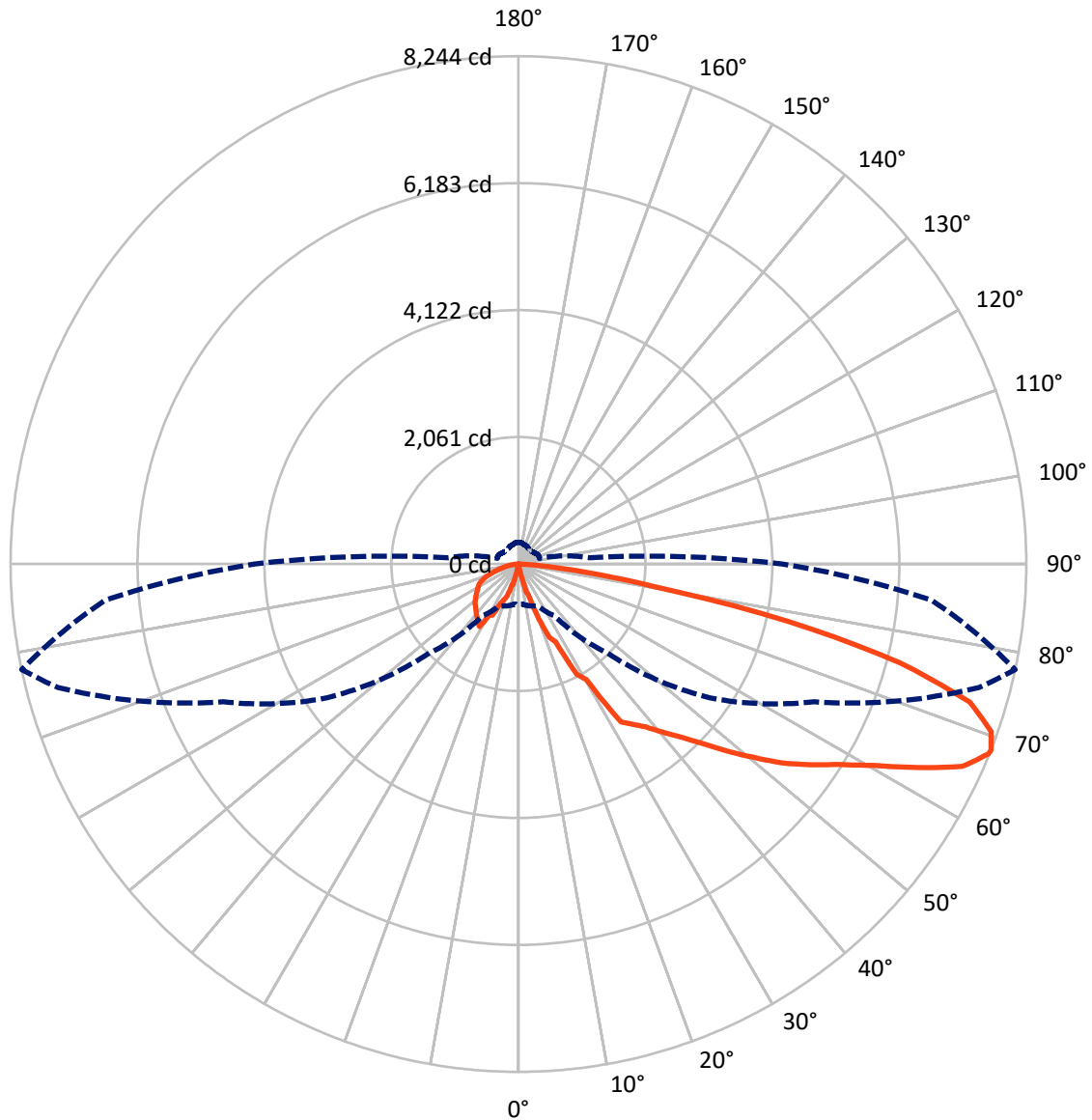


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



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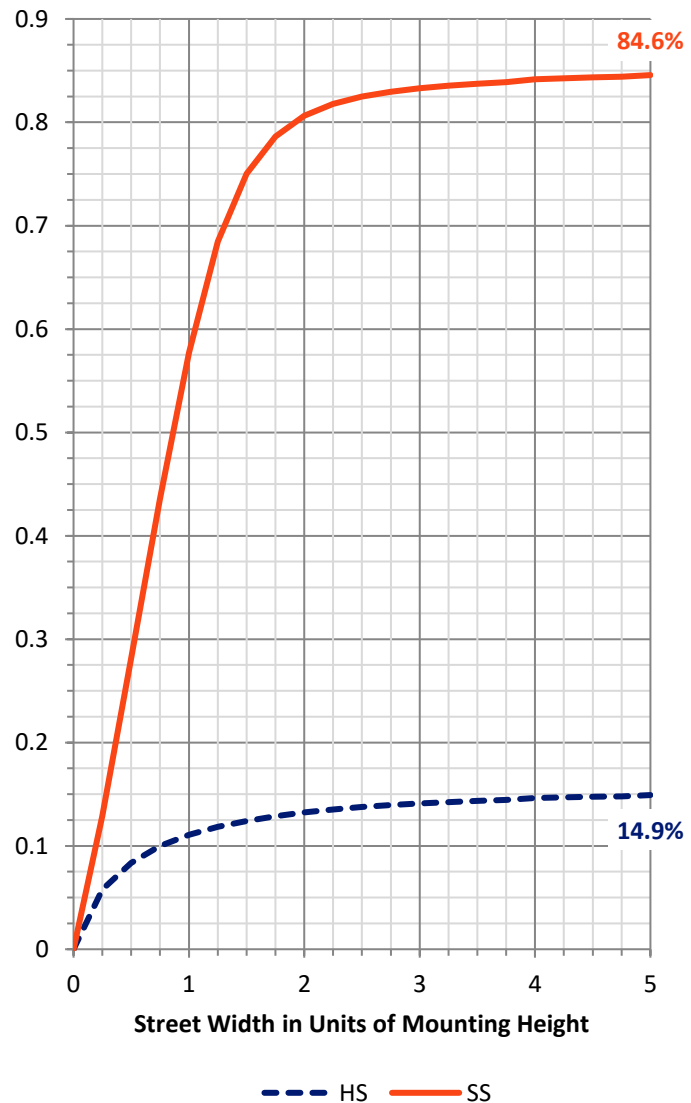
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1383.8	0.0	1383.8
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	7731.1	0.0	7731.1
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	9115.0	0.0	9115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.1	0.1
10°-20°	132.1	1.4
20°-30°	503.0	5.5
30°-40°	1174.4	12.9
40°-50°	1833.4	20.1
50°-60°	2104.6	23.1
60°-70°	1955.6	21.5
70°-80°	1208.3	13.3
80°-90°	194.6	2.1
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°	9115.0	100.0
0°-180°	9115.0	100.0

**Coefficient of Utilization**



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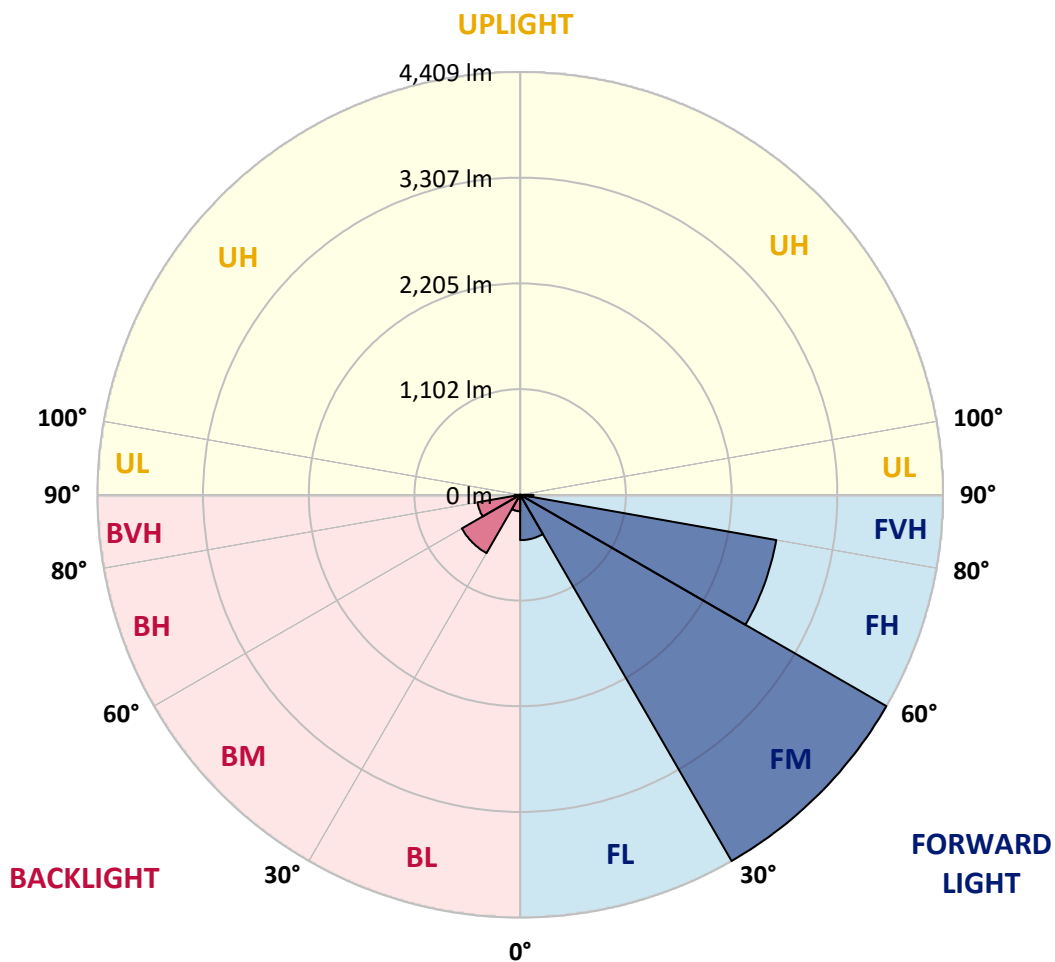
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.6	5.2			
FM (30°-60°)	4409.3	48.4			
FH (60°-80°)	2711.6	29.7			G2/5000
FVH (80°-90°)	137.6	1.5			G2/225
BL (0°-30°)	171.5	1.9	B1/500		
BM (30°-60°)	703.1	7.7	B1/1000		
BH (60°-80°)	452.3	5.0	B1/500		G1/500
BVH (80°-90°)	56.9	0.6			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	7.0	7.0	8.0	9.0	11.0	10.0	7.0	5.0	4.0	4.0	4.0
5°	323.0	297.0	166.0	86.0	30.0	18.0	9.0	7.0	5.0	5.0	4.0
7.5°	365.0	363.0	360.0	357.0	352.0	333.0	35.0	10.0	6.0	6.0	4.0
10°	394.0	391.0	389.0	387.0	380.0	370.0	353.0	31.0	11.0	10.0	9.0
12.5°	765.0	763.0	760.0	486.0	412.0	401.0	386.0	276.0	32.0	48.0	145.0
15°	763.0	760.0	769.0	785.0	798.0	439.0	443.0	775.0	480.0	461.0	491.0
17.5°	796.0	792.0	782.0	793.0	817.0	918.0	868.0	839.0	565.0	539.0	524.0
20°	1167.0	1167.0	1179.0	1169.0	848.0	1173.0	1111.0	901.0	1021.0	960.0	893.0
22.5°	1235.0	1230.0	1232.0	1252.0	1472.0	1216.0	1226.0	1390.0	1419.0	1296.0	1111.0
25°	1756.0	1755.0	1686.0	1323.0	1552.0	1466.0	1694.0	1487.0	1539.0	1394.0	1363.0
27.5°	1976.0	1978.0	1922.0	1872.0	1640.0	1901.0	1798.0	1958.0	2186.0	2031.0	1746.0
30°	2659.1	2633.1	2193.0	2144.0	2007.0	2004.0	2177.0	2312.0	2248.0	2175.0	1950.0
32.5°	3160.1	3134.1	3037.1	2698.1	2386.1	2232.0	2501.1	2419.1	2933.1	3053.1	2644.1
35°	3935.1	3926.1	3411.1	3061.1	2802.1	2699.1	2628.1	2947.1	3175.1	3193.1	2816.1
37.5°	4530.1	4501.1	4199.1	3582.1	3154.1	2916.1	3085.1	3090.1	3440.1	3355.1	3085.1
40°	4802.1	4784.1	4552.1	3973.1	3478.1	3209.1	3277.1	3306.1	3730.1	3583.1	3281.1
42.5°	5009.1	4987.1	4840.1	4208.1	3763.1	3506.1	3475.1	3501.1	4011.1	3832.1	3491.1
45°	5116.1	5103.1	5034.1	4375.1	3962.1	3695.1	3687.1	3673.1	4202.1	4139.1	3719.1
47.5°	5056.1	5042.1	5073.1	4602.1	4086.1	3850.1	3884.1	3859.1	4421.1	4524.1	3967.1
50°	4723.1	4736.1	4860.1	4611.1	4165.1	3976.1	4092.1	4030.1	4719.1	4930.1	4268.1
52.5°	3759.1	3812.1	4337.1	4411.1	4173.1	4035.1	4279.1	4291.1	5089.1	5364.1	4664.1
55°	2805.1	2880.1	3345.1	3923.1	4013.1	4037.1	4399.1	4530.1	5458.1	5750.1	4997.1
57.5°	2208.0	2254.0	2550.1	3130.1	3627.1	3966.1	4522.1	4724.1	5801.1	6136.1	5324.1
60°	1765.0	1737.0	1930.0	2370.0	3023.1	3767.1	4576.1	4977.1	6228.1	6634.1	5709.1
62.5°	1276.0	1278.0	1425.0	1676.0	2393.1	3374.1	4534.1	5222.1	6772.1	7278.2	6222.1
65°	905.0	914.0	1014.0	1149.0	1730.0	2834.1	4326.1	5389.1	7386.2	7922.2	6639.1
67.5°	689.0	695.0	742.0	805.0	1118.0	2156.0	3899.1	5355.1	7723.2	8227.2	6760.1
68°	661.0	651.0	704.0	750.0	1029.0	2044.0	3782.1	5287.1	7739.2	8244.2	6731.1
70°	557.0	557.0	581.0	592.0	729.0	1511.0	3209.1	4876.1	7682.2	8139.2	6511.1
72.5°	465.0	462.0	476.0	467.0	515.0	989.0	2331.0	4205.1	7275.2	7660.2	5856.1
75°	387.0	387.0	389.0	382.0	395.0	663.0	1515.0	3294.1	6427.1	6396.1	4766.1
77.5°	330.0	322.0	320.0	310.0	321.0	482.0	929.0	2344.0	4640.1	4473.1	3026.1
80°	262.0	261.0	263.0	257.0	266.0	351.0	566.0	1370.0	2527.1	2224.0	1411.0
82.5°	162.0	178.0	196.0	196.0	224.0	248.0	343.0	733.0	1225.0	1077.0	599.0
85°	53.0	65.0	115.0	119.0	144.0	116.0	197.0	236.0	409.0	365.0	115.0
87.5°	2.0	3.0	9.0	14.0	13.0	8.0	14.0	11.0	23.0	17.0	18.0
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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	4.0	4.0	4.0	5.0	5.0	3.0	2.0	4.0	4.0	4.0	4.0
5°	4.0	4.0	5.0	5.0	5.0	4.0	5.0	7.0	8.0	8.0	8.0
7.5°	4.0	4.0	4.0	6.0	6.0	7.0	10.0	60.0	138.0	151.0	149.0
10°	8.0	7.0	8.0	9.0	11.0	128.0	168.0	177.0	181.0	184.0	183.0
12.5°	192.0	172.0	32.0	18.0	121.0	180.0	183.0	190.0	197.0	200.0	200.0
15°	450.0	403.0	308.0	232.0	207.0	192.0	195.0	256.0	348.0	357.0	358.0
17.5°	478.0	419.0	322.0	355.0	366.0	285.0	313.0	352.0	356.0	357.0	357.0
20°	901.0	755.0	458.0	374.0	373.0	477.0	334.0	344.0	350.0	398.0	404.0
22.5°	975.0	809.0	550.0	531.0	402.0	477.0	437.0	425.0	465.0	461.0	464.0
25°	1226.0	971.0	579.0	533.0	563.0	462.0	513.0	423.0	430.0	428.0	428.0
27.5°	1559.0	1225.0	809.0	597.0	547.0	534.0	475.0	407.0	488.0	490.0	490.0
30°	1651.0	1260.0	809.0	645.0	569.0	525.0	439.0	481.0	454.0	446.0	442.0
32.5°	2288.0	1709.0	979.0	621.0	561.0	482.0	481.0	447.0	446.0	464.0	464.0
35°	2404.1	1735.0	894.0	710.0	529.0	497.0	457.0	452.0	432.0	425.0	424.0
37.5°	2519.1	1751.0	829.0	652.0	543.0	474.0	450.0	415.0	437.0	437.0	435.0
40°	2642.1	1768.0	770.0	599.0	499.0	474.0	417.0	414.0	384.0	386.0	384.0
42.5°	2774.1	1775.0	707.0	555.0	458.0	445.0	403.0	372.0	371.0	378.0	376.0
45°	2925.1	1784.0	649.0	499.0	417.0	392.0	360.0	362.0	381.0	397.0	397.0
47.5°	3086.1	1792.0	601.0	449.0	388.0	356.0	332.0	340.0	374.0	390.0	395.0
50°	3304.1	1802.0	546.0	408.0	368.0	329.0	325.0	332.0	369.0	381.0	376.0
52.5°	3536.1	1784.0	492.0	382.0	347.0	299.0	306.0	324.0	364.0	370.0	366.0
55°	3726.1	1739.0	450.0	365.0	332.0	286.0	296.0	318.0	356.0	359.0	360.0
57.5°	3947.1	1680.0	417.0	352.0	323.0	280.0	292.0	317.0	340.0	354.0	354.0
60°	4164.1	1611.0	397.0	345.0	316.0	280.0	292.0	316.0	337.0	352.0	351.0
62.5°	4418.1	1533.0	385.0	349.0	307.0	283.0	294.0	319.0	336.0	353.0	351.0
65°	4507.1	1384.0	376.0	355.0	306.0	287.0	295.0	323.0	335.0	355.0	353.0
67.5°	4331.1	1187.0	361.0	355.0	315.0	292.0	294.0	321.0	332.0	356.0	347.0
68°	4272.1	1158.0	356.0	354.0	316.0	293.0	294.0	320.0	330.0	355.0	345.0
70°	3944.1	974.0	331.0	344.0	320.0	297.0	289.0	313.0	320.0	353.0	341.0
72.5°	3413.1	759.0	289.0	320.0	316.0	303.0	280.0	299.0	303.0	330.0	310.0
75°	2729.1	577.0	239.0	278.0	297.0	303.0	267.0	280.0	279.0	292.0	274.0
77.5°	1716.0	412.0	193.0	236.0	270.0	295.0	255.0	255.0	243.0	245.0	237.0
80°	832.0	282.0	156.0	195.0	226.0	279.0	234.0	215.0	200.0	196.0	186.0
82.5°	409.0	182.0	108.0	147.0	179.0	231.0	210.0	177.0	151.0	149.0	133.0
85°	95.0	75.0	59.0	78.0	113.0	151.0	151.0	111.0	94.0	122.0	90.0
87.5°	9.0	11.0	12.0	11.0	14.0	13.0	32.0	32.0	29.0	19.0	13.0
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)