

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: P416765

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416765  
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-PA1-80-740-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA 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: 6760 lumens  
Efficiency: N/A  
Efficacy: 81.4 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

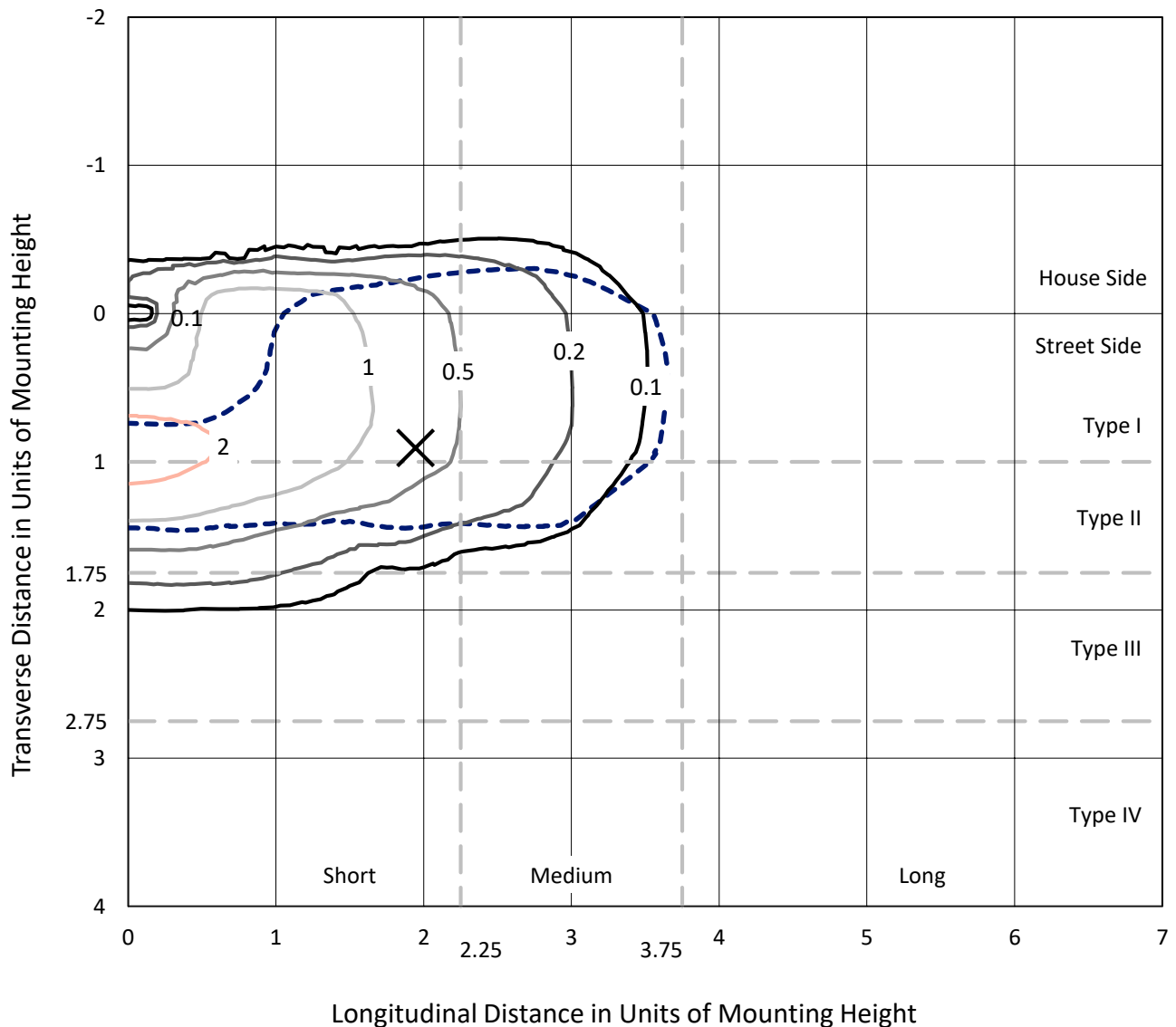
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

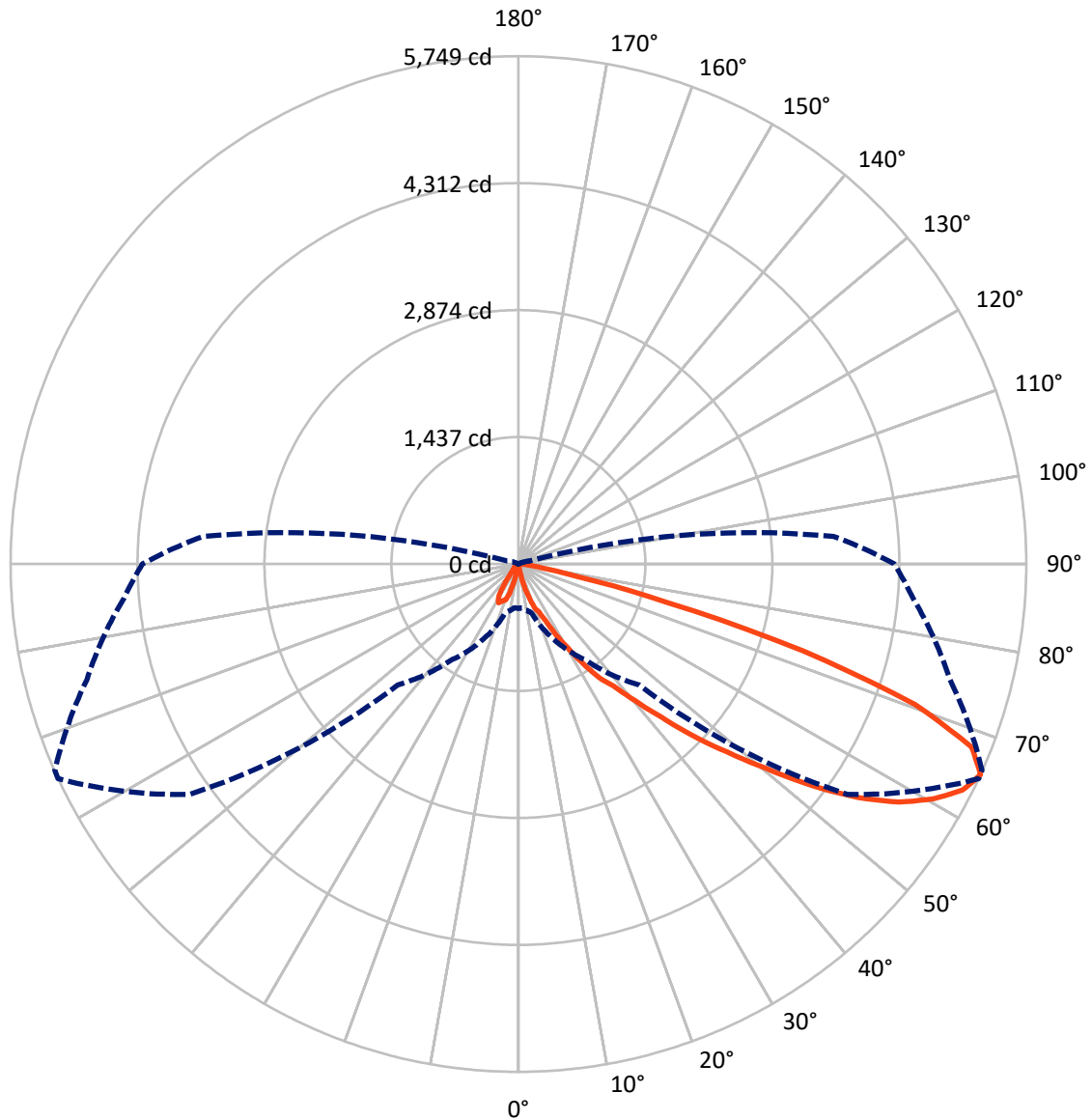
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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



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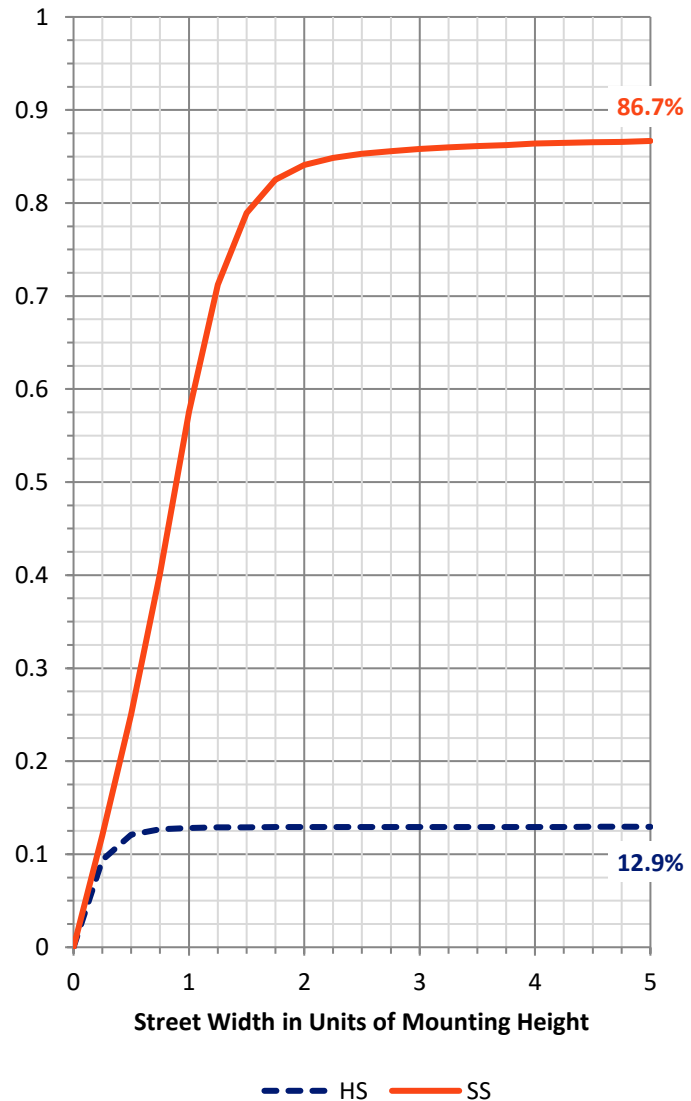
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	887.0	0.0	887.0
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	5873.0	0.0	5873.0
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	6760.0	0.0	6760.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	70.3	1.0
20°-30°	238.4	3.5
30°-40°	670.7	9.9
40°-50°	1488.2	22.0
50°-60°	1995.5	29.5
60°-70°	1589.7	23.5
70°-80°	654.9	9.7
80°-90°	46.9	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°	6760.0	100.0
0°-180°	6760.0	100.0

**Coefficient of Utilization**



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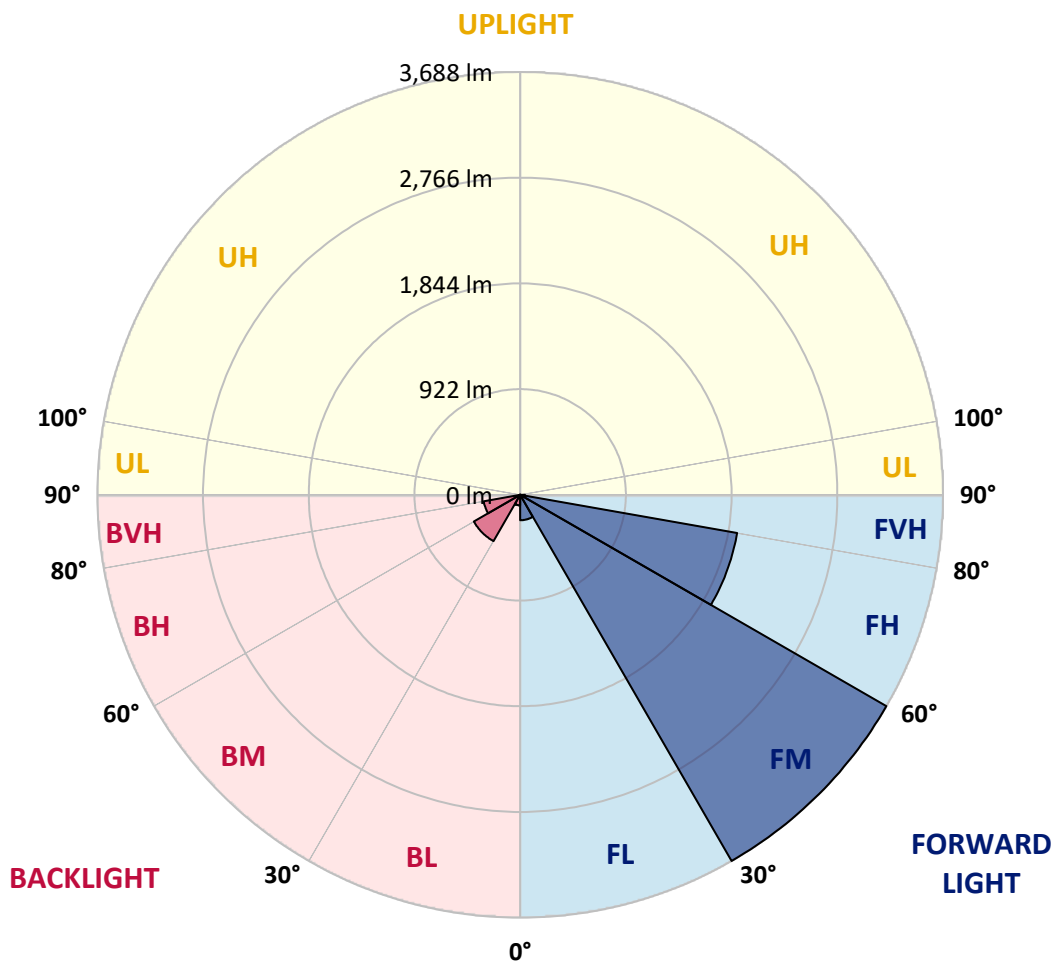
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.7	3.3			
FM (30°-60°)	3688.0	54.6			
FH (60°-80°)	1921.6	28.4			G2/5000
FVH (80°-90°)	41.7	0.6			G1/100
BL (0°-30°)	92.3	1.4	B0/110		
BM (30°-60°)	466.4	6.9	B1/1000		
BH (60°-80°)	323.1	4.8	B1/500		G1/500
BVH (80°-90°)	5.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	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	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
5°	29.0	27.0	20.0	11.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0
7.5°	202.0	201.0	201.0	203.0	204.0	73.0	7.0	3.0	3.0	2.0	2.0
10°	194.0	193.0	193.0	196.0	199.0	200.0	192.0	5.0	4.0	2.0	2.0
12.5°	362.0	356.0	227.0	199.0	194.0	196.0	197.0	170.0	79.0	122.0	151.0
15°	363.0	360.0	363.0	368.0	294.0	205.0	299.0	292.0	292.0	215.0	295.0
17.5°	367.0	363.0	365.0	372.0	361.0	424.0	400.0	414.0	414.0	306.0	326.0
20°	542.0	541.0	549.0	402.0	449.0	526.0	436.0	535.0	545.0	455.0	471.0
22.5°	553.0	552.0	565.0	563.0	551.0	565.0	638.0	586.0	589.0	688.0	622.0
25°	770.0	752.0	610.0	599.0	724.0	671.0	765.0	706.0	700.0	832.0	789.0
27.5°	881.0	873.0	882.0	855.0	767.0	823.0	828.0	908.9	868.0	952.9	971.9
30°	1070.9	1075.9	1030.9	985.9	1004.9	954.9	995.9	1104.9	1099.9	1079.9	1225.9
32.5°	1709.9	1657.9	1569.9	1221.9	1144.9	1108.9	1222.9	1345.9	1295.9	1369.9	1515.9
35°	2262.9	2146.9	2000.9	1752.9	1421.9	1325.9	1464.9	1585.9	1554.9	1703.9	1694.9
37.5°	3184.8	3130.8	2877.8	2244.9	1914.9	1653.9	1720.9	1749.9	1785.9	1955.9	1951.9
40°	3729.8	3667.8	3488.8	2987.8	2416.9	2051.9	2022.9	2037.9	2049.9	2220.9	2232.9
42.5°	4187.8	4159.8	3985.8	3505.8	3038.8	2696.9	2425.9	2366.9	2388.9	2561.9	2538.9
45°	4498.8	4465.8	4308.8	3973.8	3586.8	3410.8	2893.8	2778.8	2784.8	2880.8	2862.8
47.5°	4566.7	4527.7	4457.8	4271.8	4140.8	3997.8	3479.8	3176.8	3244.8	3249.8	3188.8
50°	4324.8	4276.8	4335.8	4291.8	4491.8	4563.7	4072.8	3640.8	3757.8	3650.8	3481.8
52.5°	3725.8	3740.8	3922.8	4055.8	4504.7	4959.7	4709.7	4172.8	4251.8	3981.8	3758.8
55°	2958.8	2995.8	3296.8	3540.8	4198.8	5070.7	5170.7	4665.7	4696.7	4333.8	3982.8
57.5°	2178.9	2228.9	2598.9	2870.8	3605.8	4831.7	5396.7	5084.7	5145.7	4587.7	4138.8
60°	1340.9	1386.9	1805.9	2219.9	2767.8	4144.8	5426.7	5398.7	5468.7	4766.7	4295.8
62.5°	817.0	856.0	1038.9	1541.9	1988.9	3132.8	5176.7	5639.7	5674.7	4947.7	4408.8
65°	503.0	496.0	570.0	936.9	1326.9	1936.9	4544.7	5748.7	5744.7	5056.7	4484.8
67.5°	333.0	339.0	367.0	515.0	903.9	1046.9	3258.8	5534.7	5514.7	5109.7	4454.8
70°	295.0	297.0	325.0	365.0	651.0	610.0	1644.9	4764.7	4736.7	4966.7	4267.8
72.5°	231.0	238.0	284.0	331.0	470.0	447.0	620.0	3374.8	3410.8	4221.8	3755.8
75°	164.0	169.0	215.0	289.0	351.0	342.0	350.0	1739.9	1845.9	2802.8	2751.8
77.5°	103.0	107.0	139.0	214.0	298.0	252.0	245.0	683.0	765.0	1370.9	1376.9
80°	71.0	72.0	86.0	144.0	214.0	207.0	166.0	273.0	276.0	497.0	477.0
82.5°	42.0	42.0	57.0	89.0	131.0	169.0	107.0	137.0	142.0	184.0	105.0
85°	15.0	16.0	31.0	51.0	73.0	89.0	64.0	75.0	78.0	95.0	50.0
87.5°	1.0	2.0	10.0	16.0	20.0	18.0	21.0	23.0	26.0	31.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
5°	2.0	2.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
7.5°	2.0	2.0	3.0	3.0	3.0	2.0	28.0	156.0	163.0	168.0	169.0
10°	6.0	4.0	3.0	3.0	3.0	162.0	168.0	164.0	161.0	158.0	159.0
12.5°	153.0	153.0	139.0	90.0	151.0	166.0	157.0	147.0	139.0	130.0	131.0
15°	294.0	292.0	258.0	222.0	254.0	163.0	135.0	179.0	153.0	135.0	132.0
17.5°	327.0	317.0	277.0	354.0	315.0	186.0	156.0	106.0	76.0	69.0	68.0
20°	471.0	458.0	404.0	429.0	288.0	215.0	94.0	60.0	54.0	65.0	67.0
22.5°	606.0	588.0	505.0	444.0	324.0	132.0	66.0	66.0	65.0	63.0	62.0
25°	779.0	747.0	677.0	465.0	257.0	87.0	72.0	59.0	53.0	49.0	49.0
27.5°	956.9	913.9	776.0	495.0	169.0	81.0	64.0	50.0	53.0	51.0	51.0
30°	1216.9	1157.9	903.9	463.0	110.0	75.0	54.0	49.0	43.0	41.0	40.0
32.5°	1485.9	1377.9	1029.9	403.0	87.0	64.0	50.0	40.0	39.0	40.0	40.0
35°	1657.9	1556.9	1165.9	293.0	76.0	56.0	41.0	37.0	34.0	33.0	33.0
37.5°	1863.9	1738.9	1177.9	190.0	66.0	46.0	35.0	31.0	31.0	32.0	32.0
40°	2110.9	1973.9	1129.9	117.0	57.0	38.0	30.0	28.0	27.0	27.0	27.0
42.5°	2387.9	2214.9	1062.9	88.0	48.0	32.0	25.0	24.0	23.0	23.0	23.0
45°	2683.9	2457.9	970.9	73.0	40.0	27.0	21.0	20.0	20.0	19.0	19.0
47.5°	2990.8	2717.8	832.0	64.0	33.0	22.0	18.0	17.0	16.0	16.0	16.0
50°	3253.8	2955.8	662.0	55.0	28.0	19.0	14.0	13.0	13.0	12.0	12.0
52.5°	3492.8	3157.8	525.0	47.0	23.0	15.0	11.0	10.0	10.0	9.0	9.0
55°	3676.8	3307.8	392.0	39.0	19.0	12.0	8.0	7.0	7.0	6.0	7.0
57.5°	3831.8	3399.8	297.0	32.0	16.0	9.0	6.0	5.0	4.0	4.0	4.0
60°	3978.8	3473.8	219.0	25.0	13.0	7.0	4.0	3.0	2.0	2.0	2.0
62.5°	4136.8	3539.8	173.0	20.0	11.0	5.0	2.0	2.0	0.0	0.0	0.0
65°	4255.8	3580.8	134.0	16.0	9.0	3.0	2.0	1.0	0.0	0.0	0.0
67.5°	4259.8	3528.8	105.0	13.0	8.0	3.0	1.0	0.0	0.0	0.0	0.0
70°	4106.8	3307.8	78.0	12.0	7.0	3.0	2.0	1.0	0.0	0.0	0.0
72.5°	3558.8	2596.9	56.0	10.0	6.0	3.0	2.0	1.0	1.0	0.0	0.0
75°	2573.9	1534.9	39.0	9.0	6.0	3.0	3.0	2.0	2.0	2.0	0.0
77.5°	1319.9	638.0	26.0	8.0	5.0	2.0	4.0	3.0	3.0	3.0	1.0
80°	387.0	220.0	16.0	7.0	5.0	2.0	4.0	4.0	4.0	4.0	1.0
82.5°	74.0	43.0	10.0	7.0	5.0	2.0	4.0	4.0	4.0	5.0	0.0
85°	29.0	17.0	7.0	6.0	5.0	2.0	4.0	4.0	5.0	5.0	0.0
87.5°	10.0	8.0	6.0	5.0	5.0	2.0	4.0	4.0	4.0	5.0	1.0
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)