

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: P416835

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
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-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6905 lumens  
Efficiency: N/A  
Efficacy: 83.2 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

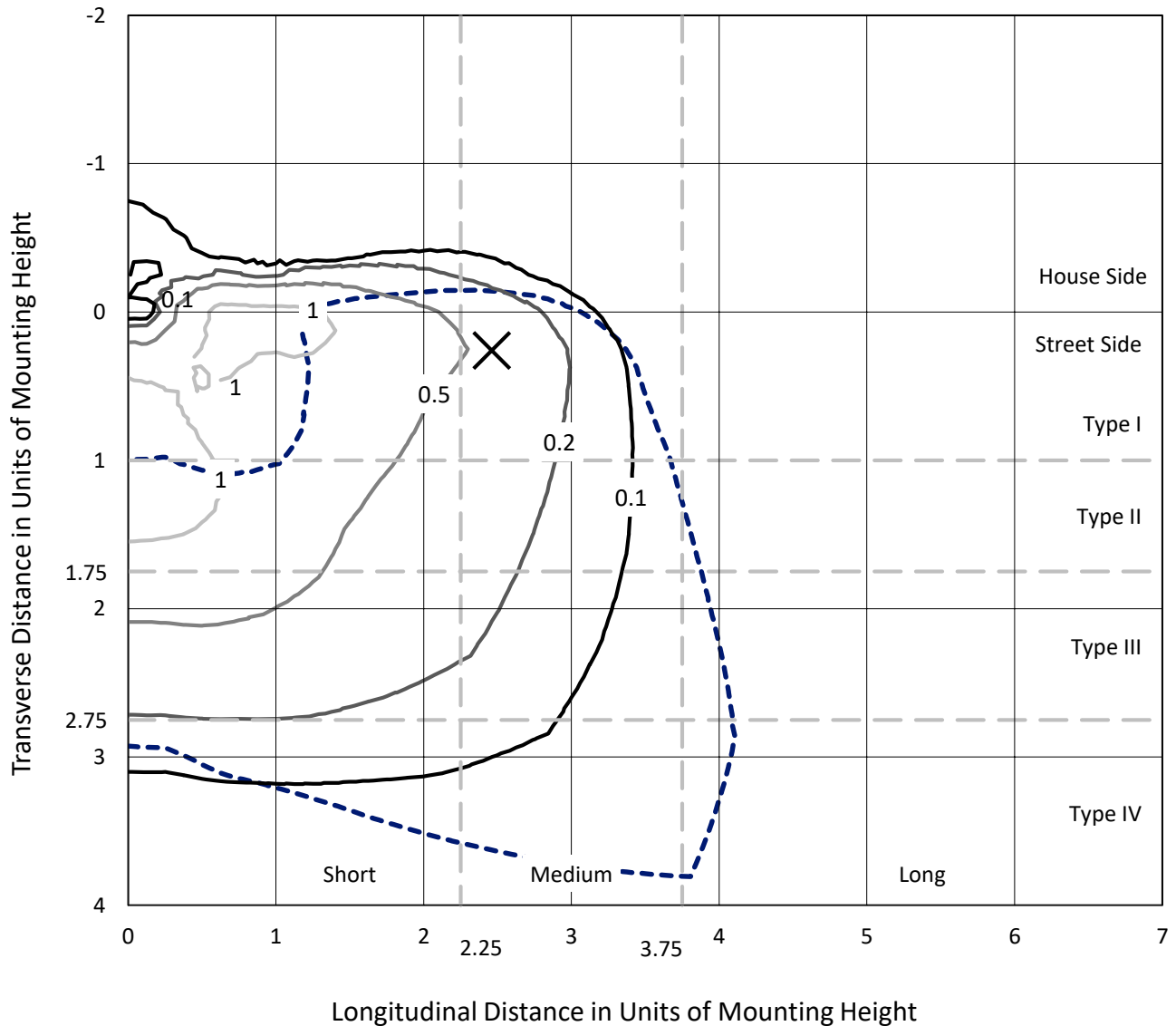
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

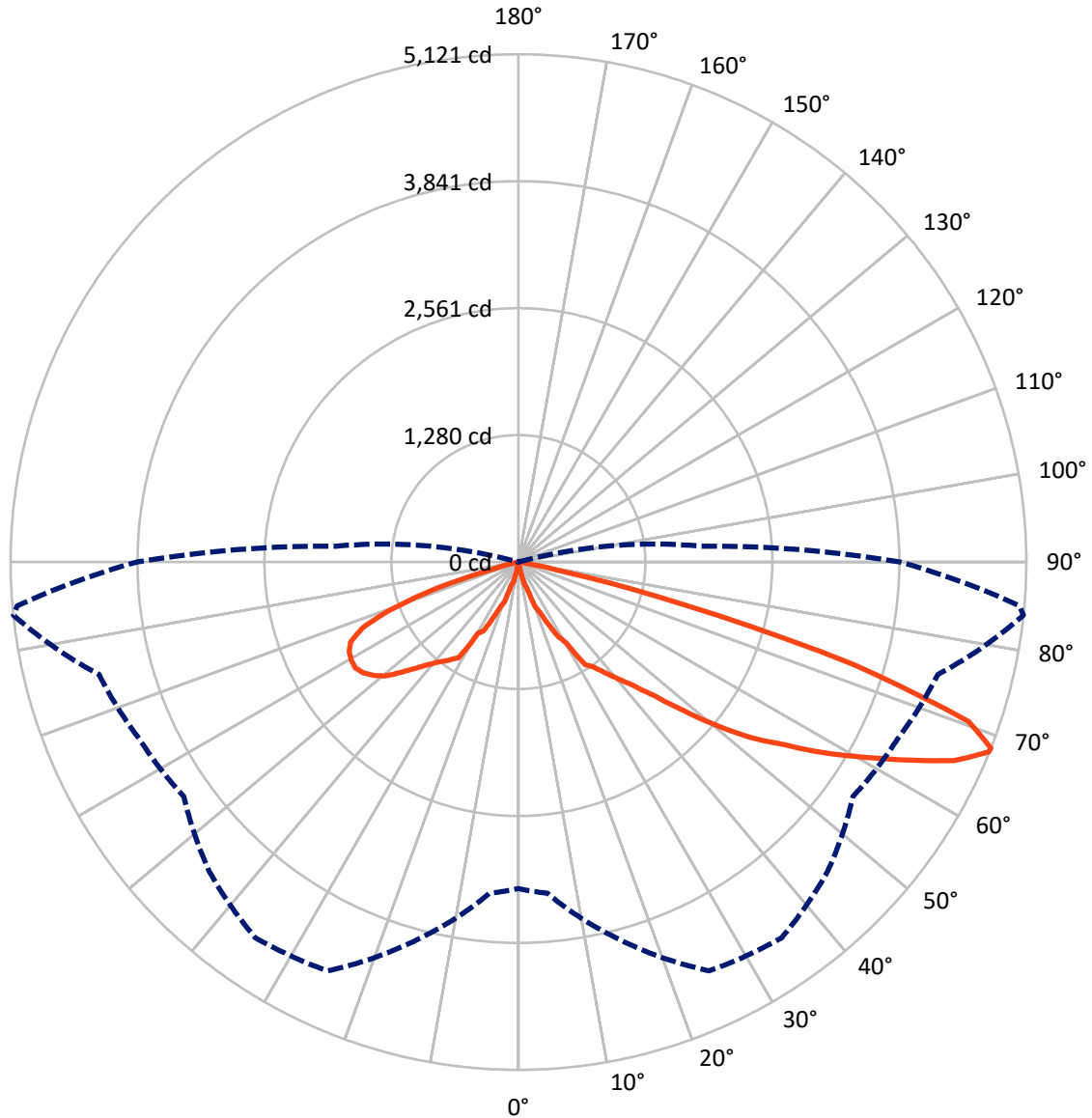
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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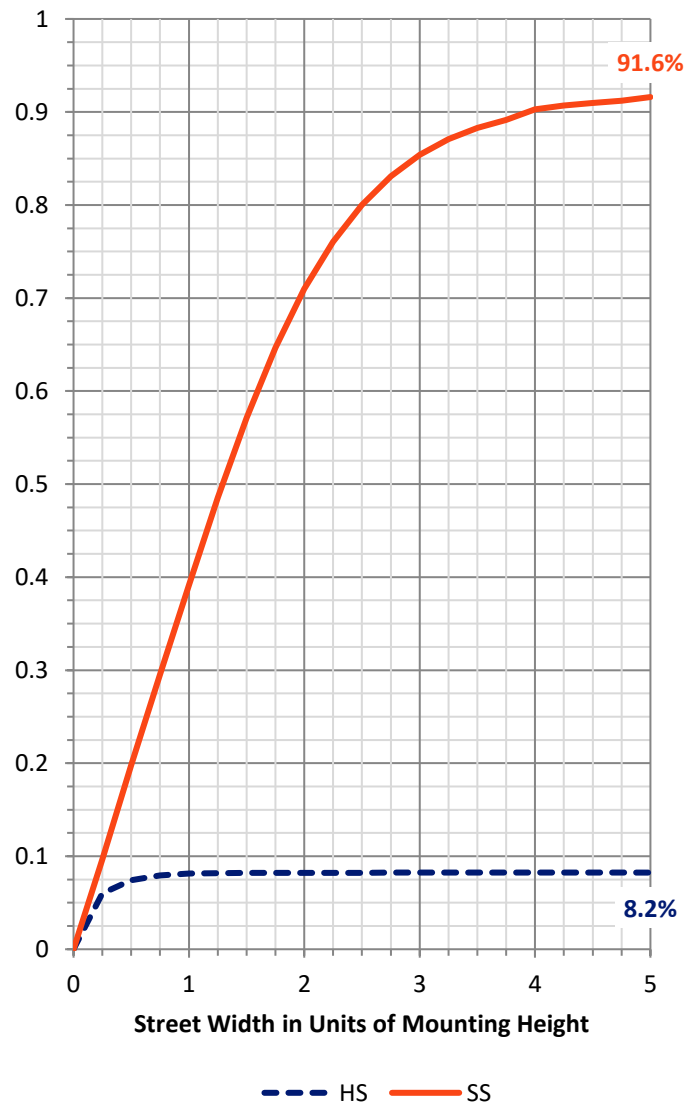
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	573.8	0.0	573.8
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	6331.2	0.0	6331.2
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	6905.0	0.0	6905.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	62.5	0.9
20°-30°	223.9	3.2
30°-40°	478.1	6.9
40°-50°	854.4	12.4
50°-60°	1515.9	22.0
60°-70°	2178.6	31.6
70°-80°	1466.6	21.2
80°-90°	120.5	1.7
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°	6905.0	100.0
0°-180°	6905.0	100.0



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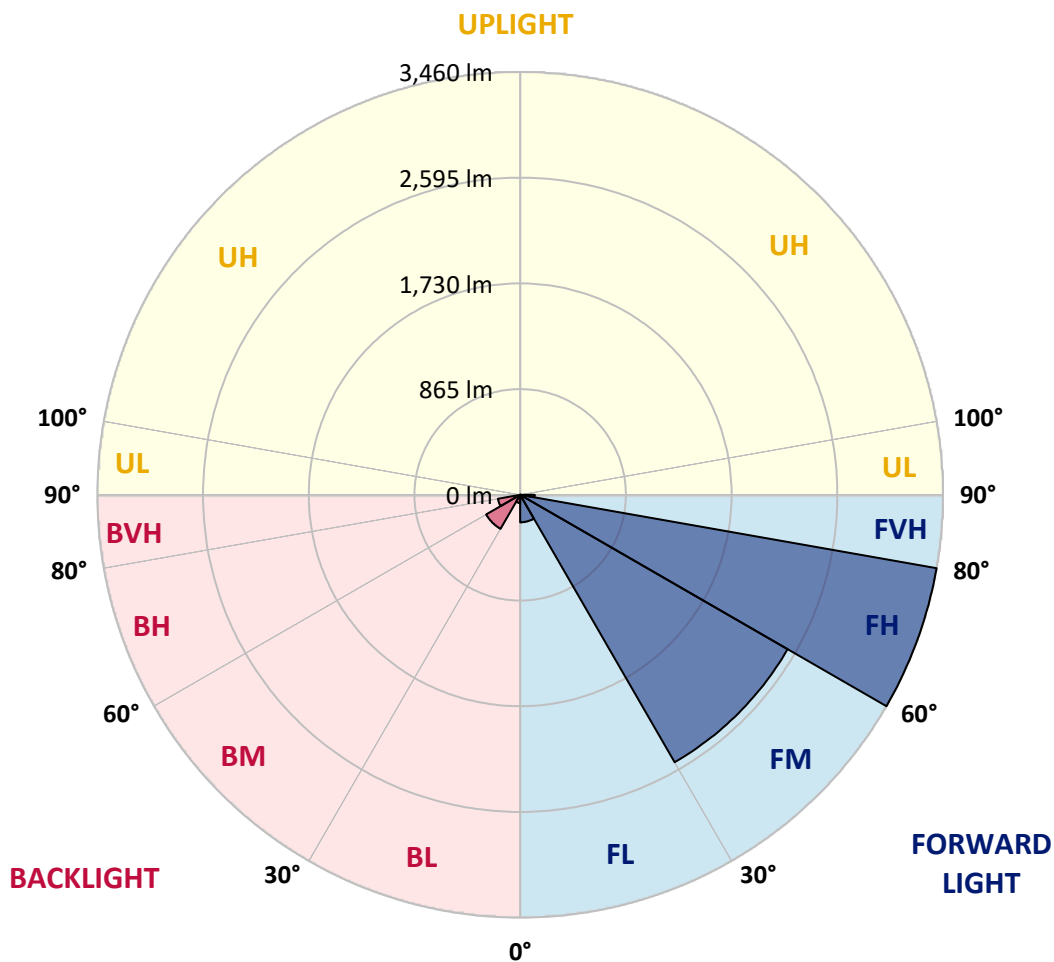
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	225.1	3.3			
FM	(30°-60°)	2527.0	36.6			
FH	(60°-80°)	3460.4	50.1			G2/5000
FVH	(80°-90°)	118.7	1.7			G2/225
BL	(0°-30°)	65.8	1.0	B0/110		
BM	(30°-60°)	321.5	4.7	B1/1000		
BH	(60°-80°)	184.7	2.7	B1/500		G1/500
BVH	(80°-90°)	1.8	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°	75°	84°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	0.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0
5°	53.0	45.0	44.0	39.0	28.0	7.0	2.0	3.0	3.0	3.0	3.0
7.5°	190.0	187.0	185.0	181.0	177.0	136.0	27.0	3.0	3.0	3.0	3.0
10°	204.0	200.0	197.0	192.0	186.0	179.0	171.0	22.0	3.0	3.0	3.0
12.5°	422.0	417.0	289.0	239.0	197.0	187.0	181.0	94.0	87.0	99.0	113.0
15°	444.0	440.0	429.0	415.0	373.0	211.0	284.0	353.0	230.0	245.0	245.0
17.5°	495.0	487.0	449.0	428.0	411.0	452.0	415.0	378.0	248.0	263.0	263.0
20°	693.0	691.0	680.0	475.0	432.0	572.0	452.0	403.0	458.0	478.0	455.0
22.5°	699.1	697.1	689.0	662.0	679.0	588.0	649.0	609.0	625.0	546.0	542.0
25°	927.1	919.1	736.1	674.0	766.1	627.0	772.1	672.0	660.0	682.0	682.0
27.5°	944.1	942.1	936.1	897.1	786.1	888.1	795.1	870.1	887.1	843.1	866.1
30°	1075.1	1009.1	974.1	951.1	926.1	932.1	928.1	1001.1	924.1	942.1	932.1
32.5°	1251.1	1245.1	1227.1	1014.1	1029.1	973.1	1082.1	1071.1	1195.1	1234.1	1228.1
35°	1496.1	1400.1	1283.1	1173.1	1068.1	1156.1	1118.1	1246.1	1277.1	1295.1	1332.1
37.5°	1711.1	1680.1	1571.1	1244.1	1183.1	1190.1	1279.1	1335.1	1381.1	1413.1	1429.1
40°	1908.1	1885.1	1812.1	1454.1	1245.1	1292.1	1365.1	1396.1	1487.1	1546.1	1547.1
42.5°	2200.2	2214.2	2146.2	1644.1	1413.1	1435.1	1497.1	1502.1	1583.1	1701.1	1705.1
45°	2565.2	2546.2	2529.2	1920.1	1573.1	1559.1	1645.1	1633.1	1758.1	1924.1	1944.1
47.5°	2917.2	2890.2	2844.2	2238.2	1795.1	1698.1	1818.1	1828.1	2023.1	2235.2	2243.2
50°	3189.2	3179.2	3133.2	2608.2	2090.1	1890.1	2010.1	2128.2	2335.2	2590.2	2607.2
52.5°	3489.3	3466.2	3385.2	2955.2	2469.2	2179.2	2240.2	2447.2	2664.2	2944.2	2942.2
55°	3689.3	3692.3	3615.3	3309.2	2813.2	2506.2	2530.2	2848.2	2964.2	3250.2	3271.2
57.5°	3955.3	3933.3	3954.3	3725.3	3279.2	2838.2	2894.2	3169.2	3273.2	3626.3	3640.3
60°	4153.3	4161.3	4265.3	4109.3	3640.3	3176.2	3224.2	3431.2	3581.3	3994.3	4038.3
62.5°	4160.3	4203.3	4483.3	4494.3	4031.3	3542.3	3511.3	3699.3	3831.3	4394.3	4447.3
65°	3779.3	3805.3	4436.3	4596.3	4394.3	3901.3	3784.3	3925.3	4078.3	4827.3	4837.3
67.5°	3397.2	3405.2	4014.3	4566.3	4612.3	4332.3	4075.3	4172.3	4320.3	5112.4	5077.4
68°	3293.2	3353.2	3941.3	4549.3	4626.3	4410.3	4119.3	4219.3	4379.3	5121.4	5072.4
70°	2985.2	3049.2	3590.3	4359.3	4619.3	4704.3	4360.3	4374.3	4416.3	4819.3	4662.3
72.5°	2007.1	2050.1	2841.2	3710.3	4469.3	5046.4	4629.3	4282.3	3962.3	3533.3	3394.2
75°	772.1	777.1	1432.1	2550.2	3864.3	4875.3	4345.3	3610.3	2691.2	1720.1	1615.1
77.5°	288.0	283.0	415.0	1182.1	2453.2	3788.3	3244.2	2213.2	1121.1	451.0	441.0
80°	102.0	105.0	161.0	356.0	997.1	2213.2	1806.1	901.1	330.0	100.0	92.0
82.5°	40.0	43.0	82.0	169.0	428.0	929.1	771.1	383.0	193.0	38.0	36.0
85°	9.0	10.0	32.0	84.0	163.0	269.0	271.0	234.0	160.0	18.0	17.0
87.5°	1.0	2.0	9.0	11.0	13.0	7.0	23.0	24.0	44.0	7.0	7.0
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	3.0	3.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	3.0	3.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	3.0	3.0	3.0	2.0	1.0	1.0	0.0	88.0	91.0	94.0	95.0
10°	3.0	3.0	3.0	2.0	2.0	92.0	108.0	104.0	97.0	94.0	95.0
12.5°	109.0	106.0	34.0	7.0	84.0	101.0	83.0	69.0	62.0	57.0	57.0
15°	238.0	229.0	191.0	146.0	137.0	78.0	53.0	45.0	66.0	80.0	80.0
17.5°	253.0	242.0	214.0	212.0	139.0	68.0	55.0	71.0	75.0	79.0	79.0
20°	490.0	439.0	302.0	203.0	102.0	83.0	69.0	68.0	71.0	76.0	77.0
22.5°	525.0	500.0	380.0	246.0	93.0	90.0	80.0	76.0	102.0	111.0	111.0
25°	667.0	643.0	409.0	196.0	113.0	92.0	101.0	95.0	97.0	105.0	105.0
27.5°	853.1	809.1	537.0	165.0	105.0	100.0	103.0	95.0	112.0	133.0	133.0
30°	945.1	857.1	514.0	146.0	107.0	109.0	99.0	116.0	116.0	124.0	125.0
32.5°	1261.1	1200.1	579.0	123.0	107.0	100.0	108.0	110.0	108.0	140.0	141.0
35°	1342.1	1269.1	496.0	128.0	102.0	97.0	97.0	109.0	116.0	123.0	124.0
37.5°	1441.1	1346.1	390.0	120.0	106.0	94.0	89.0	93.0	102.0	120.0	121.0
40°	1567.1	1430.1	300.0	113.0	99.0	86.0	81.0	85.0	85.0	90.0	91.0
42.5°	1737.1	1530.1	222.0	108.0	93.0	79.0	71.0	66.0	63.0	62.0	63.0
45°	1970.1	1658.1	166.0	103.0	89.0	70.0	59.0	48.0	40.0	40.0	41.0
47.5°	2247.2	1801.1	135.0	95.0	83.0	60.0	45.0	31.0	25.0	26.0	27.0
50°	2542.2	1952.1	118.0	88.0	76.0	49.0	30.0	19.0	16.0	17.0	18.0
52.5°	2815.2	2050.1	111.0	81.0	67.0	38.0	19.0	13.0	12.0	12.0	13.0
55°	3089.2	2124.2	105.0	74.0	54.0	25.0	11.0	10.0	10.0	9.0	9.0
57.5°	3344.2	2168.2	95.0	64.0	38.0	15.0	8.0	8.0	7.0	7.0	7.0
60°	3578.3	2163.2	76.0	48.0	24.0	9.0	6.0	6.0	5.0	5.0	5.0
62.5°	3817.3	2141.2	54.0	34.0	16.0	6.0	4.0	4.0	3.0	2.0	3.0
65°	3961.3	2079.1	36.0	24.0	10.0	4.0	3.0	2.0	1.0	0.0	1.0
67.5°	3901.3	1899.1	27.0	18.0	7.0	3.0	2.0	1.0	0.0	0.0	0.0
68°	3846.3	1842.1	25.0	17.0	6.0	3.0	2.0	1.0	0.0	0.0	0.0
70°	3413.2	1535.1	22.0	14.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0
72.5°	2277.2	997.1	18.0	11.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
75°	1050.1	320.0	14.0	9.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0
77.5°	280.0	68.0	9.0	6.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0
80°	67.0	21.0	6.0	5.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0
82.5°	25.0	11.0	4.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	0.0
85°	11.0	7.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	0.0
87.5°	5.0	5.0	4.0	4.0	4.0	2.0	3.0	3.0	3.0	3.0	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)