

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: P415725

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415725
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-PA1-50-830-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 3793 lumens
Efficiency: N/A
Efficacy: 70.2 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 - G1

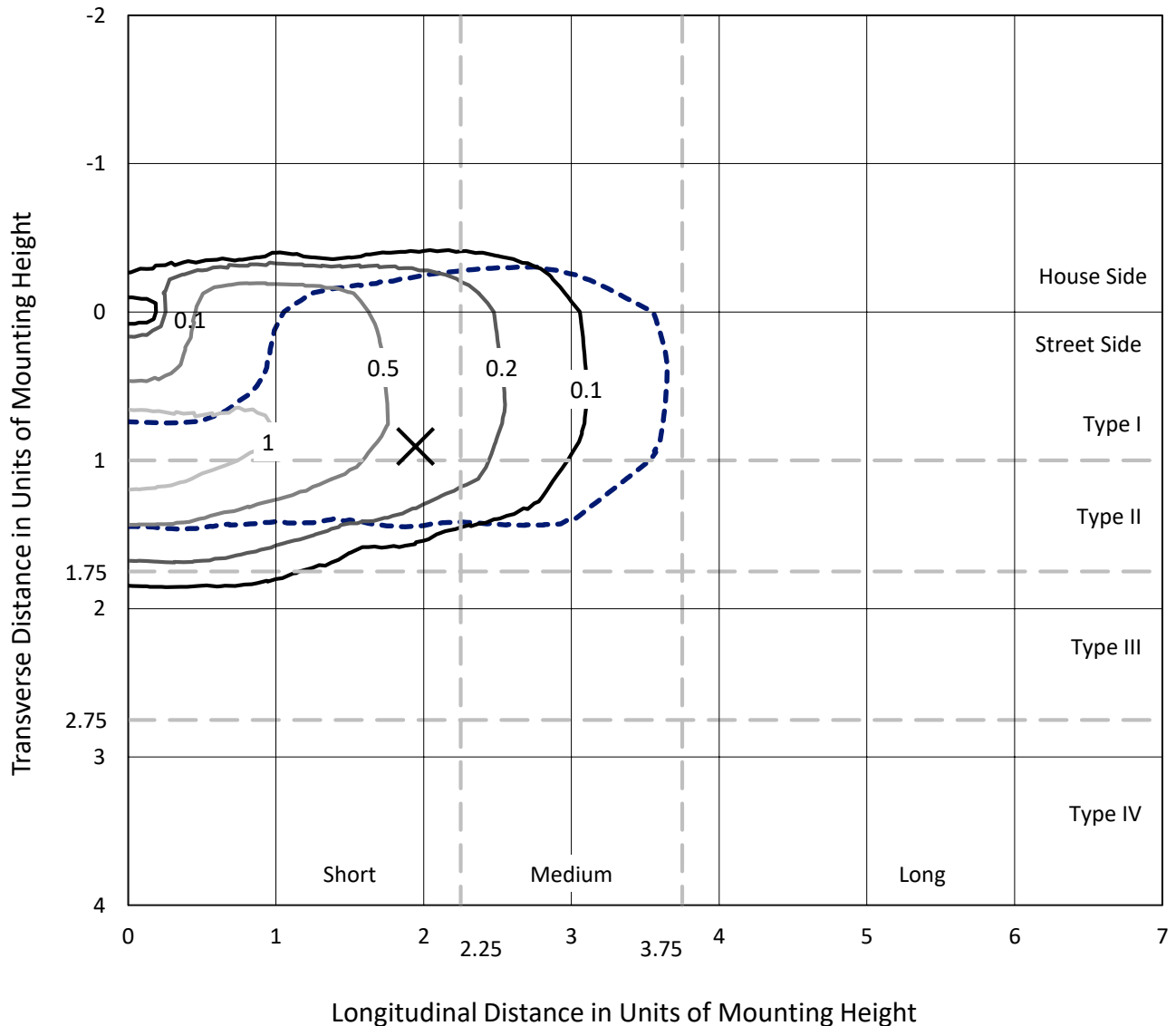
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

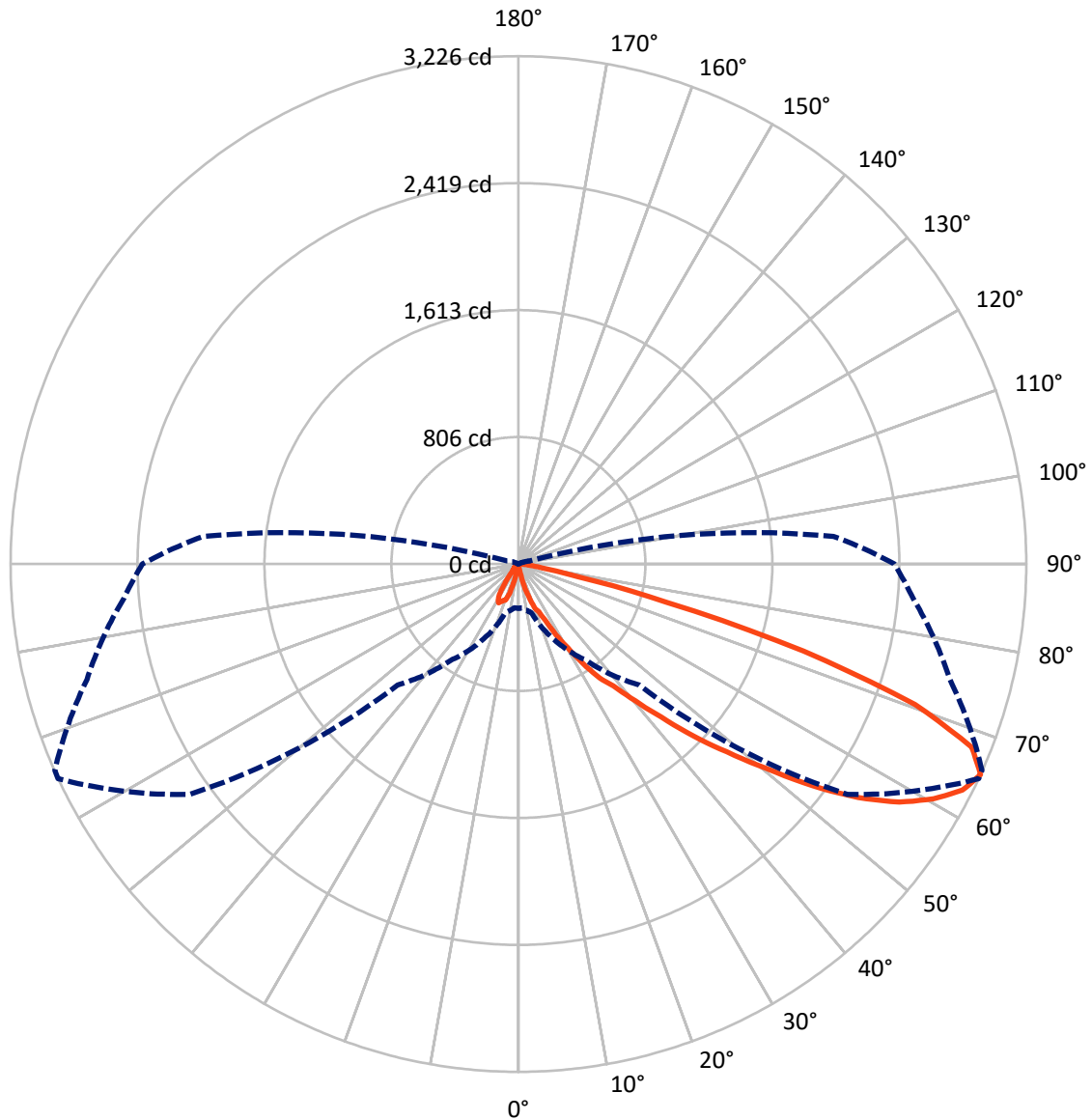
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type 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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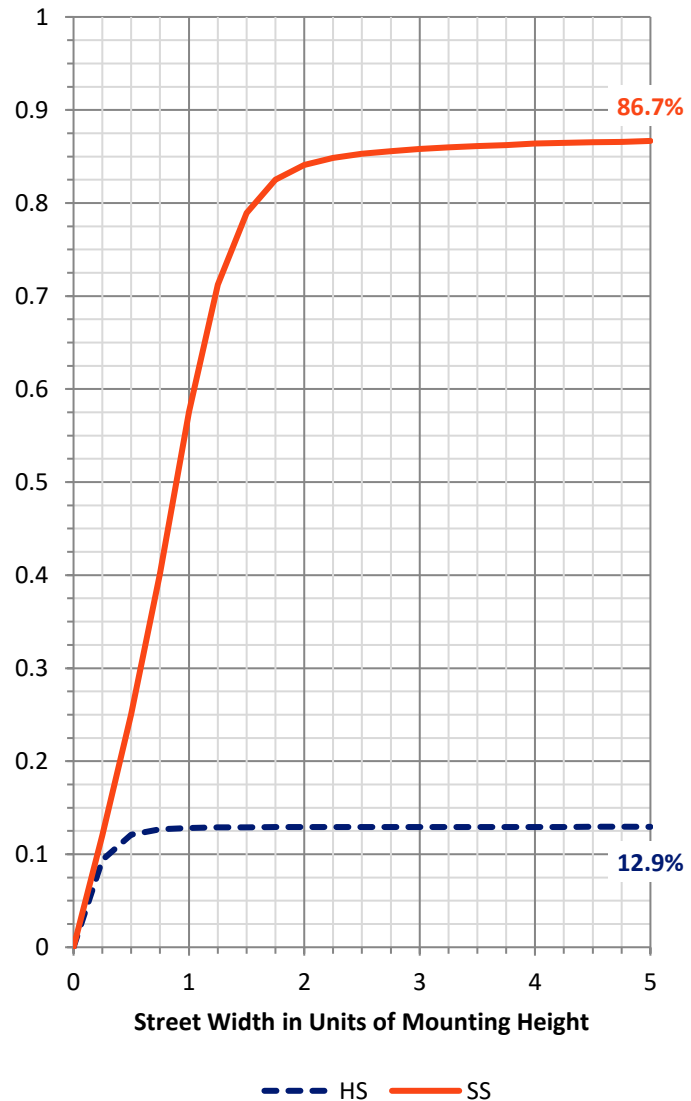
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	497.7	0.0	497.7
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3295.3	0.0	3295.3
	% Fixture	86.9	0.0	86.9
Total	Lumens	3793.0	0.0	3793.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	39.4	1.0
20°-30°	133.8	3.5
30°-40°	376.3	9.9
40°-50°	835.0	22.0
50°-60°	1119.7	29.5
60°-70°	892.0	23.5
70°-80°	367.5	9.7
80°-90°	26.3	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°	3793.0	100.0
0°-180°	3793.0	100.0



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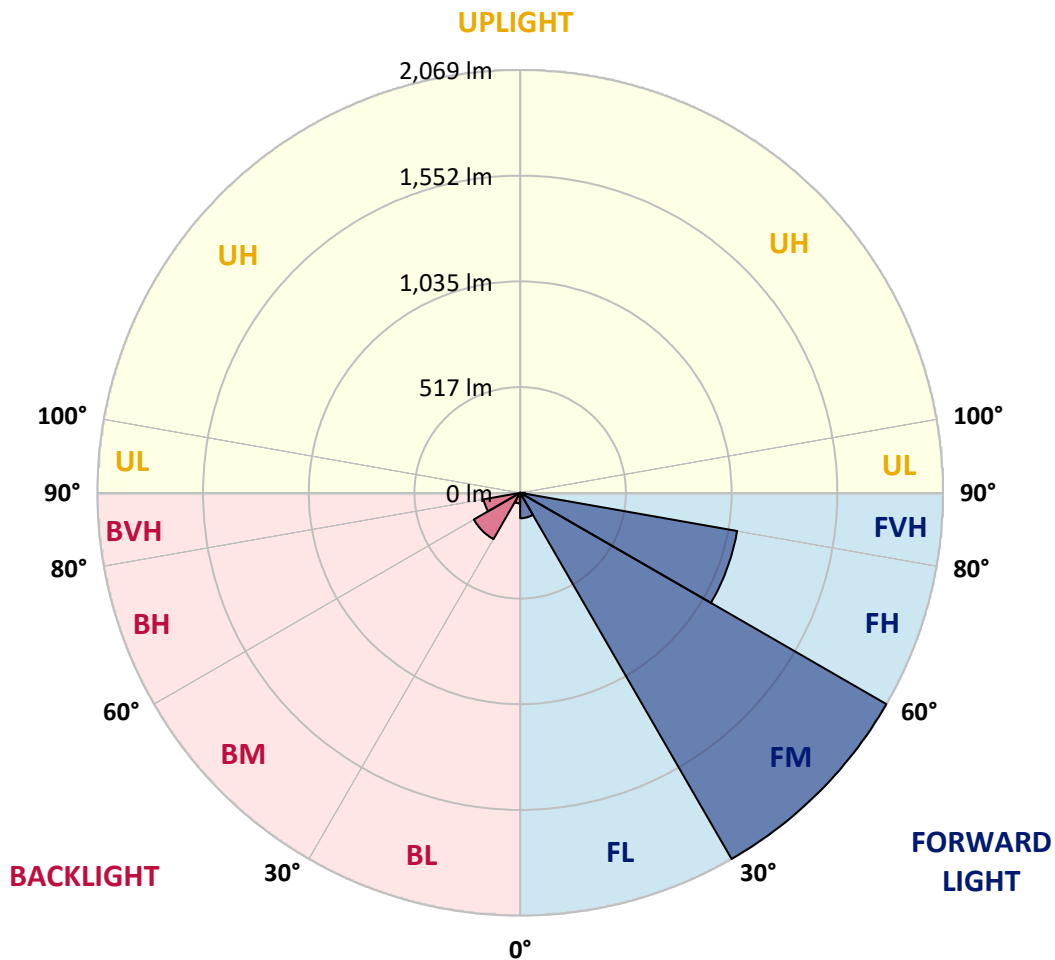
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.4	3.3			
FM	(30°-60°)	2069.3	54.6			
FH	(60°-80°)	1078.2	28.4			G1/1800
FVH	(80°-90°)	23.4	0.6			G1/100
BL	(0°-30°)	51.8	1.4	B0/110		
BM	(30°-60°)	261.7	6.9	B1/1000		
BH	(60°-80°)	181.3	4.8	B1/500		G1/500
BVH	(80°-90°)	2.9	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.6	0.6	0.6	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1
5°	16.3	15.1	11.2	6.2	3.4	2.2	1.7	1.1	1.1	1.1	1.1
7.5°	113.3	112.8	112.8	113.9	114.5	41.0	3.9	1.7	1.7	1.1	1.1
10°	108.8	108.3	108.3	110.0	111.7	112.2	107.7	2.8	2.2	1.1	1.1
12.5°	203.1	199.7	127.4	111.7	108.8	110.0	110.5	95.4	44.3	68.4	84.7
15°	203.7	202.0	203.7	206.5	165.0	115.0	167.8	163.8	163.8	120.6	165.5
17.5°	205.9	203.7	204.8	208.7	202.5	237.9	224.4	232.3	232.3	171.7	182.9
20°	304.1	303.5	308.0	225.5	251.9	295.1	244.6	300.2	305.8	255.3	264.3
22.5°	310.3	309.7	317.0	315.9	309.1	317.0	358.0	328.8	330.5	386.0	349.0
25°	432.0	421.9	342.2	336.1	406.2	376.5	429.2	396.1	392.7	466.8	442.7
27.5°	494.3	489.8	494.9	479.7	430.3	461.8	464.6	510.0	487.0	534.7	545.4
30°	600.9	603.7	578.5	553.2	563.9	535.8	558.8	620.0	617.2	605.9	687.9
32.5°	959.4	930.2	880.9	685.6	642.4	622.2	686.2	755.2	727.1	768.7	850.6
35°	1269.7	1204.6	1122.7	983.5	797.8	744.0	822.0	889.8	872.5	956.1	951.0
37.5°	1787.0	1756.7	1614.7	1259.6	1074.4	928.0	965.6	981.9	1002.1	1097.4	1095.2
40°	2092.8	2058.0	1957.6	1676.5	1356.1	1151.3	1135.0	1143.4	1150.2	1246.1	1252.9
42.5°	2349.7	2334.0	2236.4	1967.1	1705.1	1513.2	1361.1	1328.0	1340.4	1437.4	1424.5
45°	2524.2	2505.7	2417.6	2229.7	2012.5	1913.8	1623.7	1559.2	1562.6	1616.4	1606.3
47.5°	2562.4	2540.5	2501.2	2396.9	2323.4	2243.1	1952.5	1782.5	1820.7	1823.5	1789.2
50°	2426.6	2399.7	2432.8	2408.1	2520.3	2560.7	2285.2	2042.8	2108.5	2048.4	1953.6
52.5°	2090.5	2098.9	2201.1	2275.7	2527.6	2782.9	2642.6	2341.3	2385.6	2234.2	2109.0
55°	1660.2	1680.9	1849.8	1986.7	2355.9	2845.2	2901.3	2617.9	2635.3	2431.6	2234.7
57.5°	1222.6	1250.6	1458.2	1610.8	2023.2	2711.1	3028.1	2853.0	2887.2	2574.2	2322.2
60°	752.4	778.2	1013.3	1245.6	1553.0	2325.6	3044.9	3029.2	3068.5	2674.6	2410.3
62.5°	458.4	480.3	582.9	865.2	1116.0	1757.8	2904.6	3164.4	3184.0	2776.1	2473.7
65°	282.2	278.3	319.8	525.7	744.5	1086.8	2550.0	3225.6	3223.3	2837.3	2516.4
67.5°	186.8	190.2	205.9	288.9	507.2	587.4	1828.5	3105.5	3094.3	2867.0	2499.5
70°	165.5	166.6	182.3	204.8	365.3	342.2	922.9	2673.5	2657.8	2786.8	2394.6
72.5°	129.6	133.5	159.3	185.7	263.7	250.8	347.9	1893.6	1913.8	2368.8	2107.4
75°	92.0	94.8	120.6	162.1	196.9	191.9	196.4	976.3	1035.7	1572.7	1544.0
77.5°	57.8	60.0	78.0	120.1	167.2	141.4	137.5	383.2	429.2	769.2	772.6
80°	39.8	40.4	48.3	80.8	120.1	116.1	93.1	153.2	154.9	278.8	267.6
82.5°	23.6	23.6	32.0	49.9	73.5	94.8	60.0	76.9	79.7	103.2	58.9
85°	8.4	9.0	17.4	28.6	41.0	49.9	35.9	42.1	43.8	53.3	28.1
87.5°	0.6	1.1	5.6	9.0	11.2	10.1	11.8	12.9	14.6	17.4	10.1
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6
5°	1.1	1.1	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6
7.5°	1.1	1.1	1.7	1.7	1.7	1.1	15.7	87.5	91.5	94.3	94.8
10°	3.4	2.2	1.7	1.7	1.7	90.9	94.3	92.0	90.3	88.6	89.2
12.5°	85.8	85.8	78.0	50.5	84.7	93.1	88.1	82.5	78.0	72.9	73.5
15°	165.0	163.8	144.8	124.6	142.5	91.5	75.7	100.4	85.8	75.7	74.1
17.5°	183.5	177.9	155.4	198.6	176.7	104.4	87.5	59.5	42.6	38.7	38.2
20°	264.3	257.0	226.7	240.7	161.6	120.6	52.7	33.7	30.3	36.5	37.6
22.5°	340.0	329.9	283.3	249.1	181.8	74.1	37.0	37.0	36.5	35.3	34.8
25°	437.1	419.1	379.8	260.9	144.2	48.8	40.4	33.1	29.7	27.5	27.5
27.5°	536.9	512.8	435.4	277.7	94.8	45.4	35.9	28.1	29.7	28.6	28.6
30°	682.8	649.7	507.2	259.8	61.7	42.1	30.3	27.5	24.1	23.0	22.4
32.5°	833.7	773.1	577.9	226.1	48.8	35.9	28.1	22.4	21.9	22.4	22.4
35°	930.2	873.6	654.2	164.4	42.6	31.4	23.0	20.8	19.1	18.5	18.5
37.5°	1045.8	975.7	660.9	106.6	37.0	25.8	19.6	17.4	17.4	18.0	18.0
40°	1184.4	1107.5	634.0	65.6	32.0	21.3	16.8	15.7	15.1	15.1	15.1
42.5°	1339.8	1242.8	596.4	49.4	26.9	18.0	14.0	13.5	12.9	12.9	12.9
45°	1505.9	1379.1	544.8	41.0	22.4	15.1	11.8	11.2	11.2	10.7	10.7
47.5°	1678.1	1525.0	466.8	35.9	18.5	12.3	10.1	9.5	9.0	9.0	9.0
50°	1825.7	1658.5	371.4	30.9	15.7	10.7	7.9	7.3	7.3	6.7	6.7
52.5°	1959.8	1771.8	294.6	26.4	12.9	8.4	6.2	5.6	5.6	5.0	5.0
55°	2063.0	1856.0	219.9	21.9	10.7	6.7	4.5	3.9	3.9	3.4	3.9
57.5°	2150.0	1907.6	166.6	18.0	9.0	5.0	3.4	2.8	2.2	2.2	2.2
60°	2232.5	1949.1	122.9	14.0	7.3	3.9	2.2	1.7	1.1	1.1	1.1
62.5°	2321.1	1986.2	97.1	11.2	6.2	2.8	1.1	1.1	0.0	0.0	0.0
65°	2387.9	2009.2	75.2	9.0	5.0	1.7	1.1	0.6	0.0	0.0	0.0
67.5°	2390.1	1980.0	58.9	7.3	4.5	1.7	0.6	0.0	0.0	0.0	0.0
70°	2304.3	1856.0	43.8	6.7	3.9	1.7	1.1	0.6	0.0	0.0	0.0
72.5°	1996.8	1457.1	31.4	5.6	3.4	1.7	1.1	0.6	0.6	0.0	0.0
75°	1444.2	861.2	21.9	5.0	3.4	1.7	1.7	1.1	1.1	1.1	0.0
77.5°	740.6	358.0	14.6	4.5	2.8	1.1	2.2	1.7	1.7	1.7	0.6
80°	217.1	123.4	9.0	3.9	2.8	1.1	2.2	2.2	2.2	2.2	0.6
82.5°	41.5	24.1	5.6	3.9	2.8	1.1	2.2	2.2	2.2	2.8	0.0
85°	16.3	9.5	3.9	3.4	2.8	1.1	2.2	2.2	2.8	2.8	0.0
87.5°	5.6	4.5	3.4	2.8	2.8	1.1	2.2	2.2	2.2	2.8	0.6
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)