

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: P416523

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416523
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-PA1-70-827-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 4644 lumens
Efficiency: N/A
Efficacy: 62.8 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

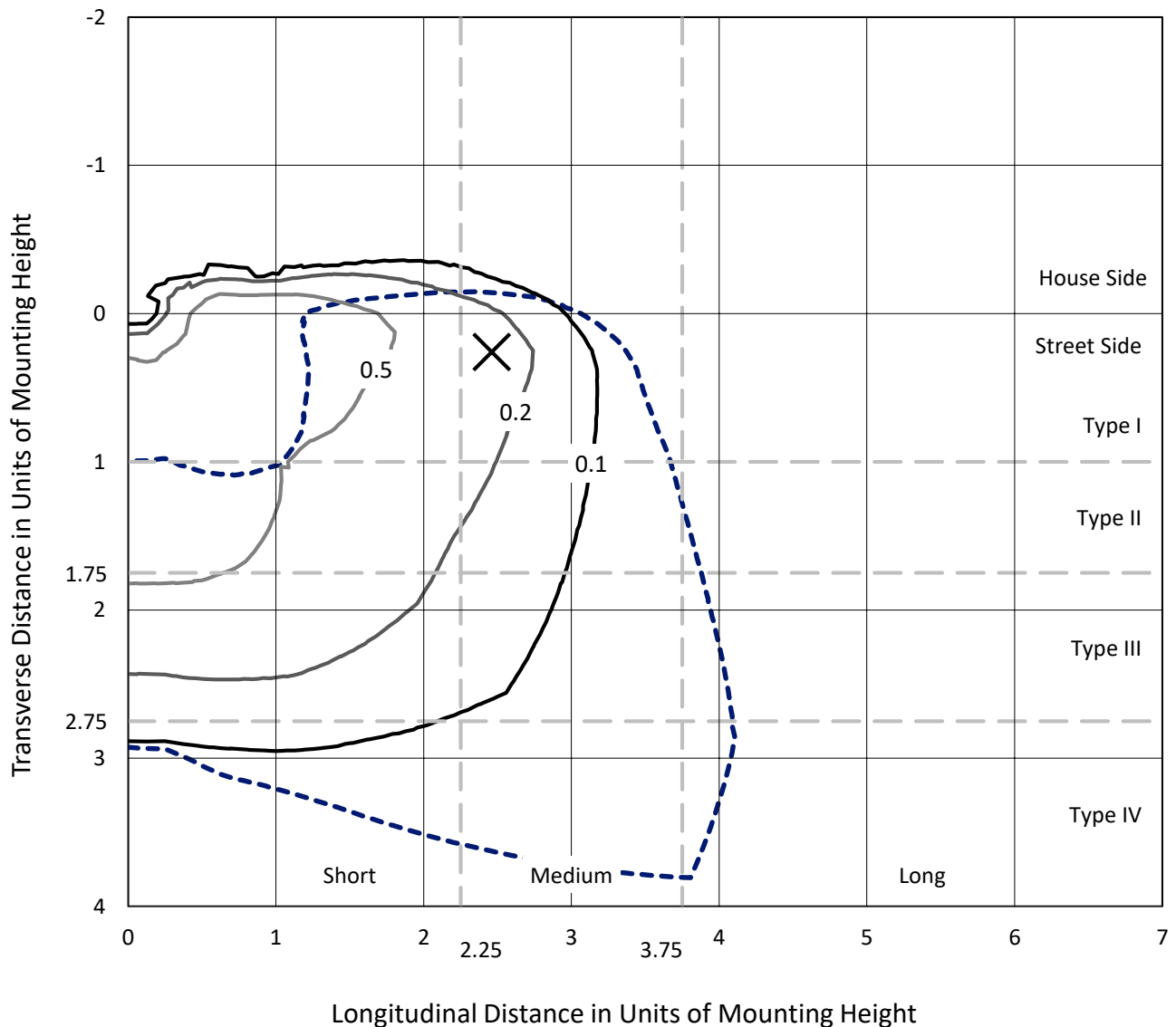
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

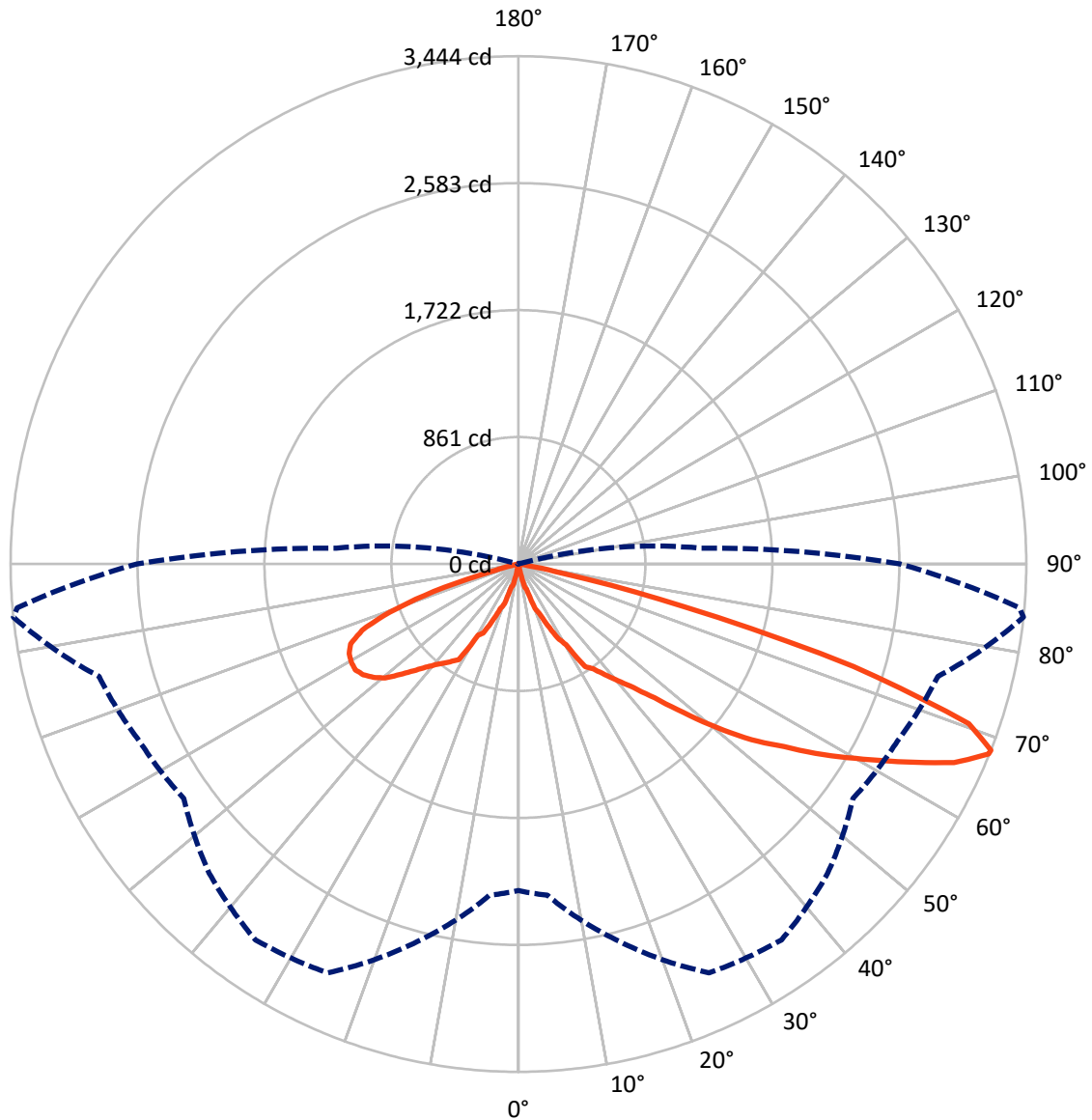
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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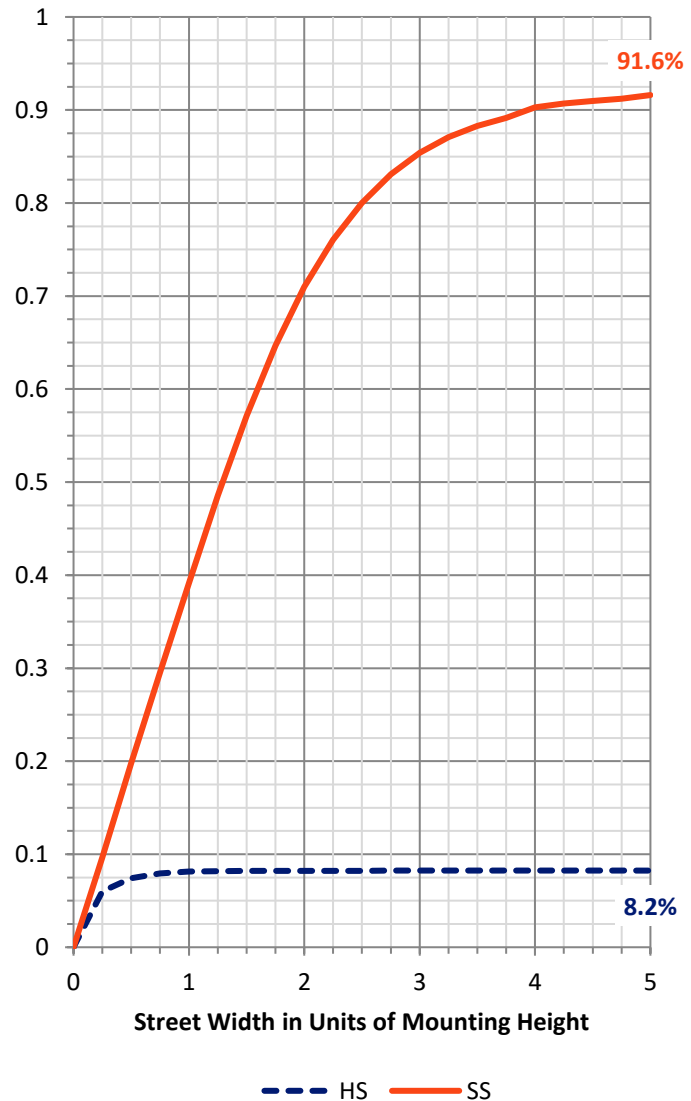
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.9	0.0	385.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	4258.1	0.0	4258.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	4644.0	0.0	4644.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	42.0	0.9
20°-30°	150.6	3.2
30°-40°	321.6	6.9
40°-50°	574.6	12.4
50°-60°	1019.5	22.0
60°-70°	1465.2	31.6
70°-80°	986.3	21.2
80°-90°	81.0	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°	4644.0	100.0
0°-180°	4644.0	100.0



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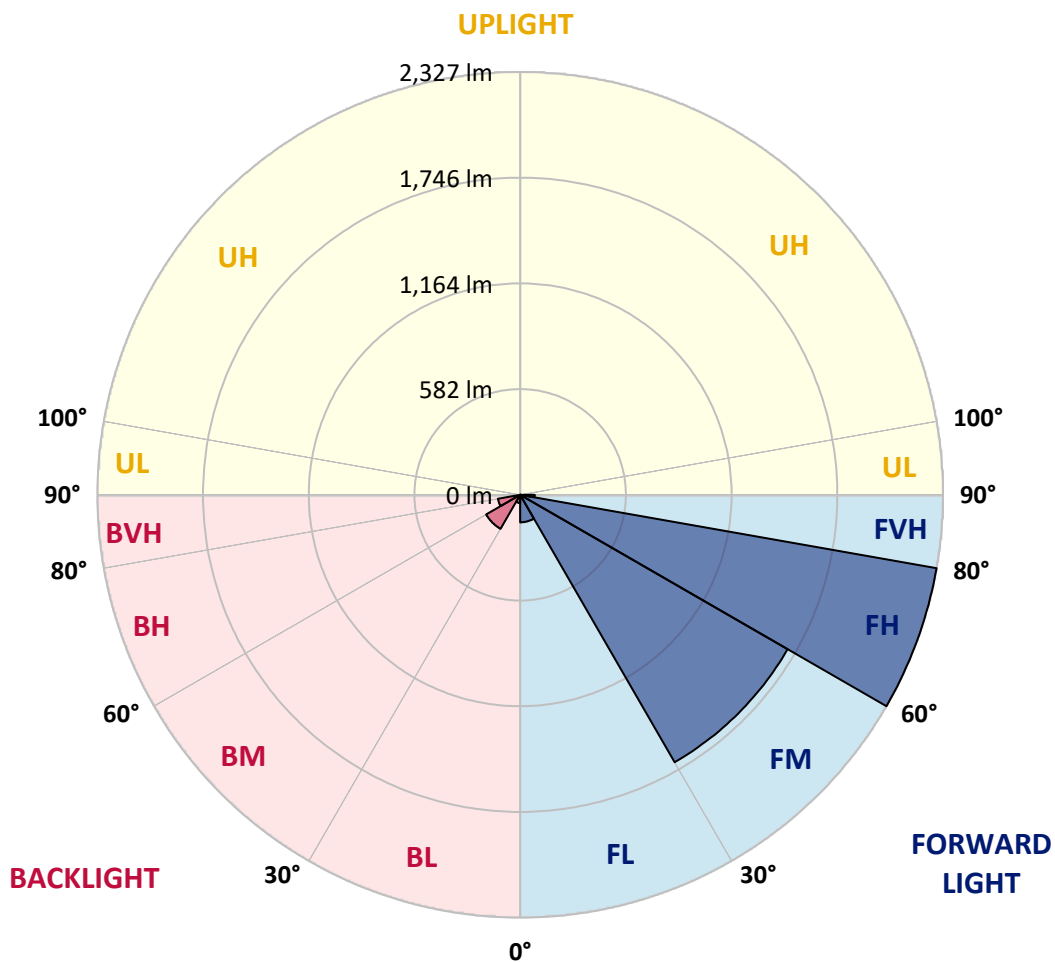
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.4	3.3			
FM	(30°-60°)	1699.5	36.6			
FH	(60°-80°)	2327.3	50.1			G2/5000
FVH	(80°-90°)	79.8	1.7			G1/100
BL	(0°-30°)	44.3	1.0	B0/110		
BM	(30°-60°)	216.2	4.7	B0/220		
BH	(60°-80°)	124.2	2.7	B1/500		G1/500
BVH	(80°-90°)	1.2	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.7	0.7	0.0	0.7	0.7	1.3	1.3	2.0	2.0	2.0	2.0
5°	35.6	30.3	29.6	26.2	18.8	4.7	1.3	2.0	2.0	2.0	2.0
7.5°	127.8	125.8	124.4	121.7	119.1	91.5	18.2	2.0	2.0	2.0	2.0
10°	137.2	134.5	132.5	129.1	125.1	120.4	115.0	14.8	2.0	2.0	2.0
12.5°	283.8	280.5	194.4	160.8	132.5	125.8	121.7	63.2	58.5	66.6	76.0
15°	298.6	295.9	288.5	279.1	250.9	141.9	191.0	237.4	154.7	164.8	164.8
17.5°	332.9	327.6	302.0	287.9	276.4	304.0	279.1	254.2	166.8	176.9	176.9
20°	466.1	464.8	457.4	319.5	290.6	384.7	304.0	271.1	308.1	321.5	306.0
22.5°	470.2	468.8	463.4	445.3	456.7	395.5	436.5	409.6	420.4	367.2	364.6
25°	623.5	618.1	495.0	453.3	515.2	421.7	519.3	452.0	443.9	458.7	458.7
27.5°	634.9	633.6	629.6	603.3	528.7	597.3	534.7	585.2	596.6	567.0	582.5
30°	723.0	678.7	655.1	639.6	622.8	626.9	624.2	673.3	621.5	633.6	626.9
32.5°	841.4	837.4	825.3	682.0	692.1	654.4	727.8	720.4	803.8	830.0	826.0
35°	1006.2	941.6	863.0	789.0	718.3	777.5	752.0	838.1	858.9	871.0	895.9
37.5°	1150.8	1130.0	1056.7	836.7	795.7	800.4	860.3	897.9	928.9	950.4	961.2
40°	1283.3	1267.9	1218.8	978.0	837.4	869.0	918.1	939.0	1000.2	1039.8	1040.5
42.5°	1479.7	1489.1	1443.4	1105.8	950.4	965.2	1006.9	1010.3	1064.7	1144.1	1146.8
45°	1725.2	1712.5	1701.0	1291.4	1058.0	1048.6	1106.4	1098.4	1182.4	1294.1	1307.5
47.5°	1962.0	1943.8	1912.9	1505.3	1207.3	1142.1	1222.8	1229.5	1360.7	1503.3	1508.7
50°	2144.9	2138.2	2107.3	1754.2	1405.7	1271.2	1351.9	1431.3	1570.5	1742.0	1753.5
52.5°	2346.7	2331.2	2276.8	1987.5	1660.7	1465.6	1506.6	1645.9	1791.8	1980.1	1978.8
55°	2481.2	2483.3	2431.5	2225.6	1892.0	1685.5	1701.7	1915.6	1993.6	2186.0	2200.1
57.5°	2660.2	2645.4	2659.5	2505.5	2205.5	1908.9	1946.5	2131.5	2201.4	2438.9	2448.3
60°	2793.3	2798.7	2868.7	2763.7	2448.3	2136.2	2168.5	2307.7	2408.6	2686.4	2716.0
62.5°	2798.0	2827.0	3015.3	3022.7	2711.3	2382.4	2361.5	2488.0	2576.7	2955.4	2991.1
65°	2541.8	2559.3	2983.7	3091.3	2955.4	2623.8	2545.1	2640.0	2742.9	3246.7	3253.4
67.5°	2284.8	2290.2	2699.8	3071.1	3102.1	2913.7	2740.9	2806.1	2905.7	3438.4	3414.8
68°	2214.9	2255.2	2650.7	3059.7	3111.5	2966.2	2770.5	2837.7	2945.3	3444.4	3411.4
70°	2007.7	2050.8	2414.6	2931.9	3106.8	3163.9	2932.6	2942.0	2970.2	3241.3	3135.7
72.5°	1349.9	1378.8	1910.9	2495.4	3005.9	3394.0	3113.5	2880.1	2664.9	2376.3	2282.8
75°	519.3	522.6	963.2	1715.1	2598.9	3278.9	2922.5	2428.1	1810.0	1156.9	1086.3
77.5°	193.7	190.3	279.1	795.0	1649.9	2547.8	2181.9	1488.5	754.0	303.3	296.6
80°	68.6	70.6	108.3	239.4	670.6	1488.5	1214.7	606.0	222.0	67.3	61.9
82.5°	26.9	28.9	55.2	113.7	287.9	624.8	518.6	257.6	129.8	25.6	24.2
85°	6.1	6.7	21.5	56.5	109.6	180.9	182.3	157.4	107.6	12.1	11.4
87.5°	0.7	1.3	6.1	7.4	8.7	4.7	15.5	16.1	29.6	4.7	4.7
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.0	2.0	2.0	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.0	2.0	2.0	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	1.3	0.7	0.7	0.0	59.2	61.2	63.2	63.9
10°	2.0	2.0	2.0	1.3	1.3	61.9	72.6	70.0	65.2	63.2	63.9
12.5°	73.3	71.3	22.9	4.7	56.5	67.9	55.8	46.4	41.7	38.3	38.3
15°	160.1	154.0	128.5	98.2	92.1	52.5	35.6	30.3	44.4	53.8	53.8
17.5°	170.2	162.8	143.9	142.6	93.5	45.7	37.0	47.8	50.4	53.1	53.1
20°	329.6	295.3	203.1	136.5	68.6	55.8	46.4	45.7	47.8	51.1	51.8
22.5°	353.1	336.3	255.6	165.5	62.6	60.5	53.8	51.1	68.6	74.7	74.7
25°	448.6	432.5	275.1	131.8	76.0	61.9	67.9	63.9	65.2	70.6	70.6
27.5°	573.7	544.1	361.2	111.0	70.6	67.3	69.3	63.9	75.3	89.5	89.5
30°	635.6	576.4	345.7	98.2	72.0	73.3	66.6	78.0	78.0	83.4	84.1
32.5°	848.2	807.1	389.4	82.7	72.0	67.3	72.6	74.0	72.6	94.2	94.8
35°	902.6	853.5	333.6	86.1	68.6	65.2	65.2	73.3	78.0	82.7	83.4
37.5°	969.2	905.3	262.3	80.7	71.3	63.2	59.9	62.6	68.6	80.7	81.4
40°	1054.0	961.8	201.8	76.0	66.6	57.8	54.5	57.2	57.2	60.5	61.2
42.5°	1168.3	1029.1	149.3	72.6	62.6	53.1	47.8	44.4	42.4	41.7	42.4
45°	1325.0	1115.2	111.7	69.3	59.9	47.1	39.7	32.3	26.9	26.9	27.6
47.5°	1511.3	1211.4	90.8	63.9	55.8	40.4	30.3	20.9	16.8	17.5	18.2
50°	1709.8	1312.9	79.4	59.2	51.1	33.0	20.2	12.8	10.8	11.4	12.1
52.5°	1893.4	1378.8	74.7	54.5	45.1	25.6	12.8	8.7	8.1	8.1	8.7
55°	2077.7	1428.6	70.6	49.8	36.3	16.8	7.4	6.7	6.7	6.1	6.1
57.5°	2249.2	1458.2	63.9	43.0	25.6	10.1	5.4	5.4	4.7	4.7	4.7
60°	2406.6	1454.8	51.1	32.3	16.1	6.1	4.0	4.0	3.4	3.4	3.4
62.5°	2567.3	1440.0	36.3	22.9	10.8	4.0	2.7	2.7	2.0	1.3	2.0
65°	2664.2	1398.3	24.2	16.1	6.7	2.7	2.0	1.3	0.7	0.0	0.7
67.5°	2623.8	1277.3	18.2	12.1	4.7	2.0	1.3	0.7	0.0	0.0	0.0
68°	2586.8	1238.9	16.8	11.4	4.0	2.0	1.3	0.7	0.0	0.0	0.0
70°	2295.6	1032.4	14.8	9.4	3.4	2.0	1.3	0.7	0.0	0.0	0.0
72.5°	1531.5	670.6	12.1	7.4	2.7	1.3	1.3	0.7	0.0	0.0	0.0
75°	706.2	215.2	9.4	6.1	2.0	1.3	1.3	0.7	0.0	0.0	0.0
77.5°	188.3	45.7	6.1	4.0	2.0	1.3	1.3	0.7	0.7	0.7	0.0
80°	45.1	14.1	4.0	3.4	2.0	1.3	1.3	0.7	0.7	0.7	0.0
82.5°	16.8	7.4	2.7	2.7	2.0	1.3	1.3	0.7	1.3	1.3	0.0
85°	7.4	4.7	2.7	2.7	2.0	1.3	1.3	1.3	1.3	2.0	0.0
87.5°	3.4	3.4	2.7	2.7	2.7	1.3	2.0	2.0	2.0	2.0	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)