

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: P416107

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416107
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-PA1-60-827-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 4141 lumens
Efficiency: N/A
Efficacy: 64.7 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

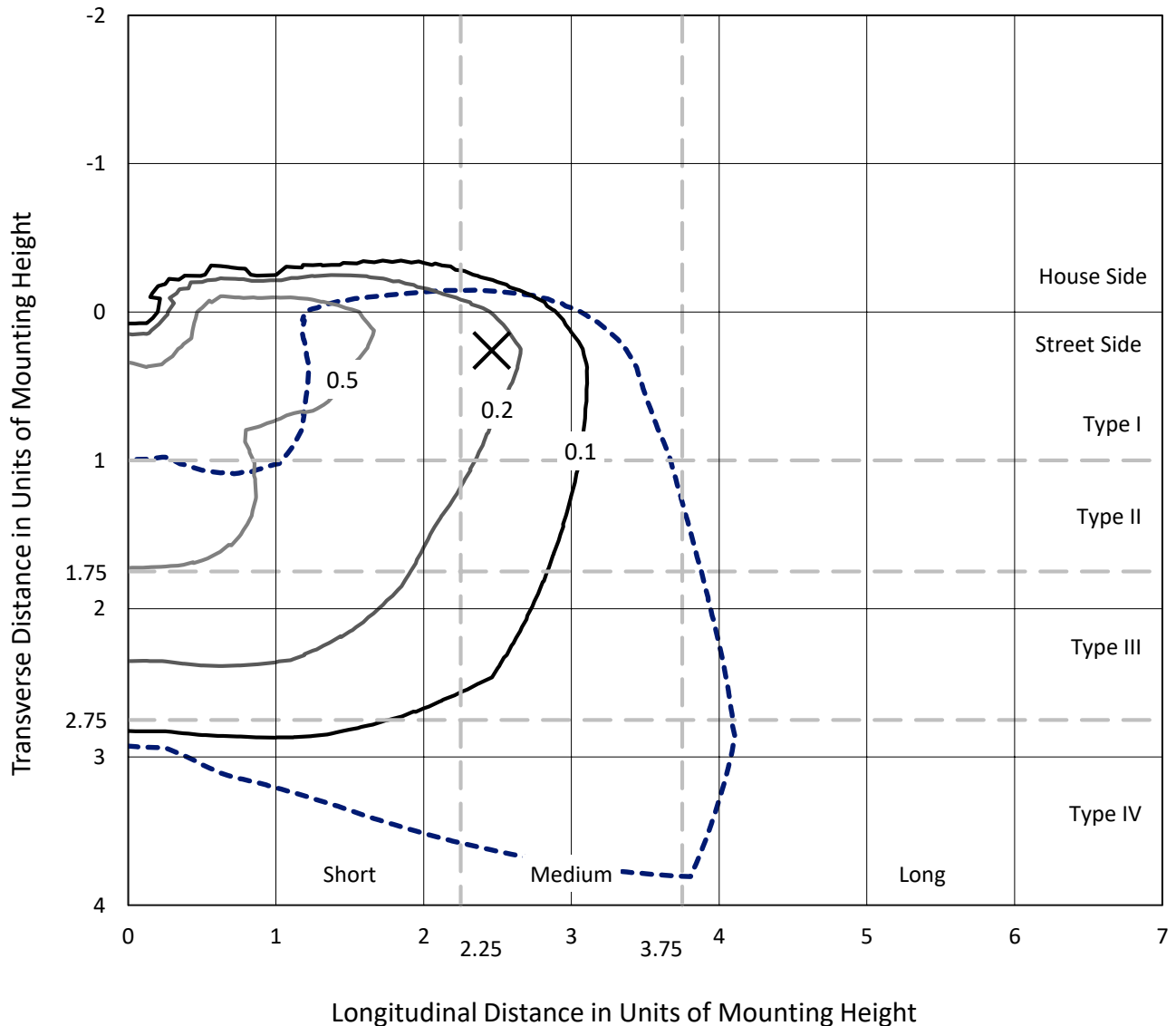
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

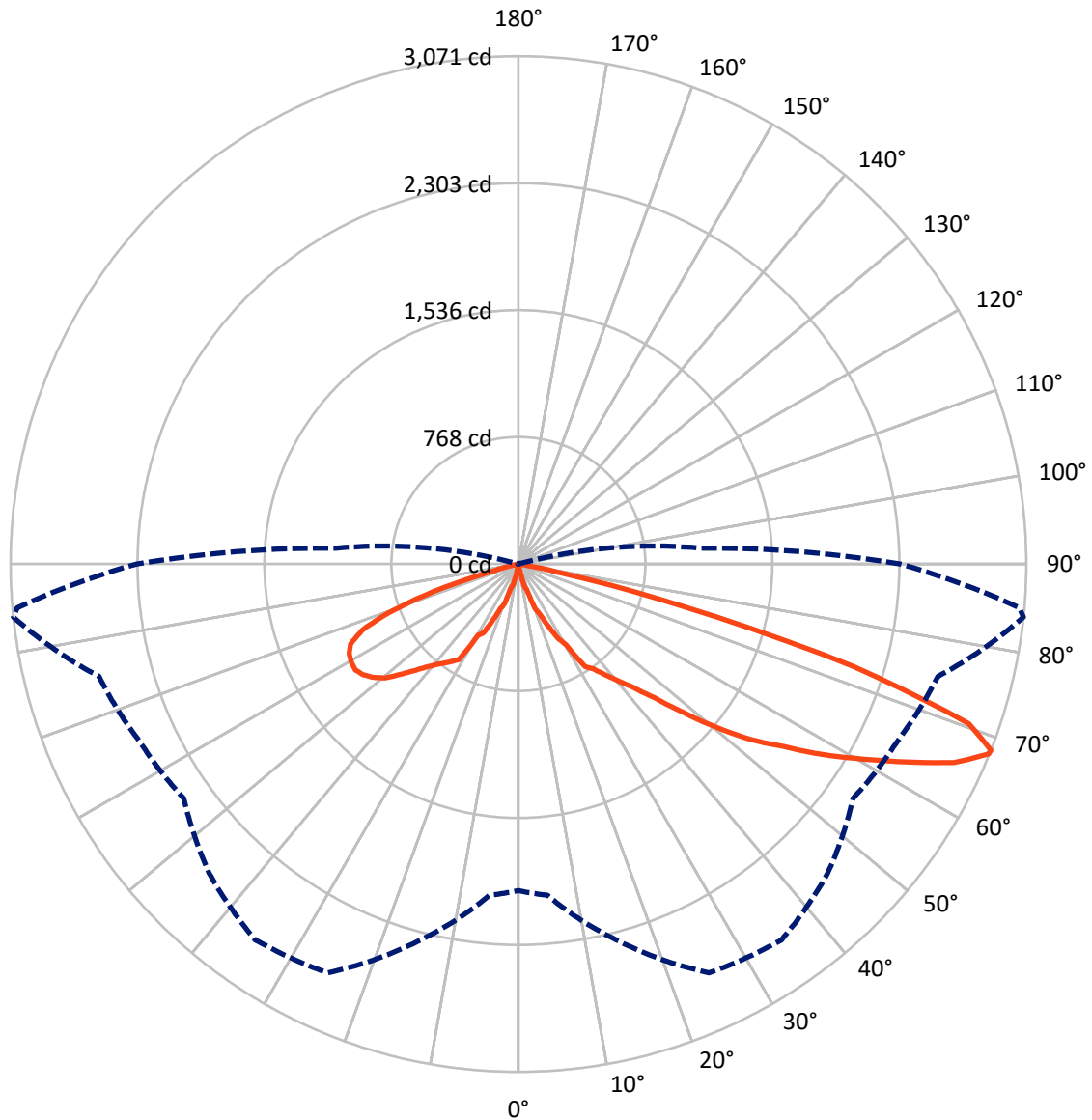
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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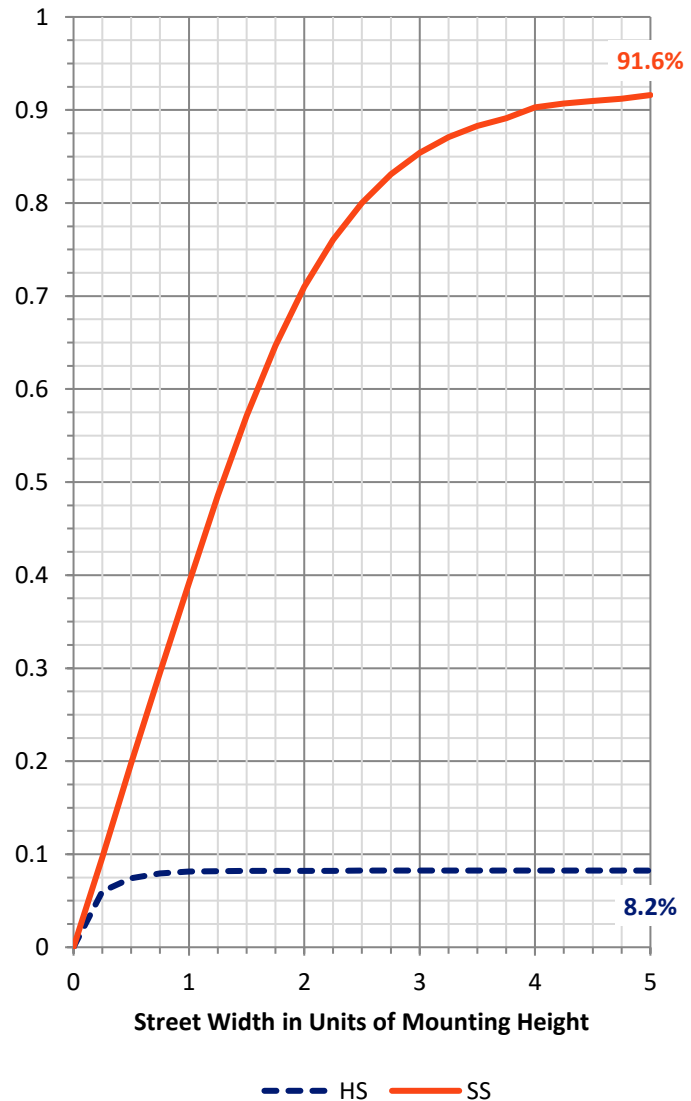
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	344.1	0.0	344.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	3796.9	0.0	3796.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	4141.0	0.0	4141.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	37.5	0.9
20°-30°	134.3	3.2
30°-40°	286.7	6.9
40°-50°	512.4	12.4
50°-60°	909.1	22.0
60°-70°	1306.5	31.6
70°-80°	879.5	21.2
80°-90°	72.3	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°	4141.0	100.0
0°-180°	4141.0	100.0



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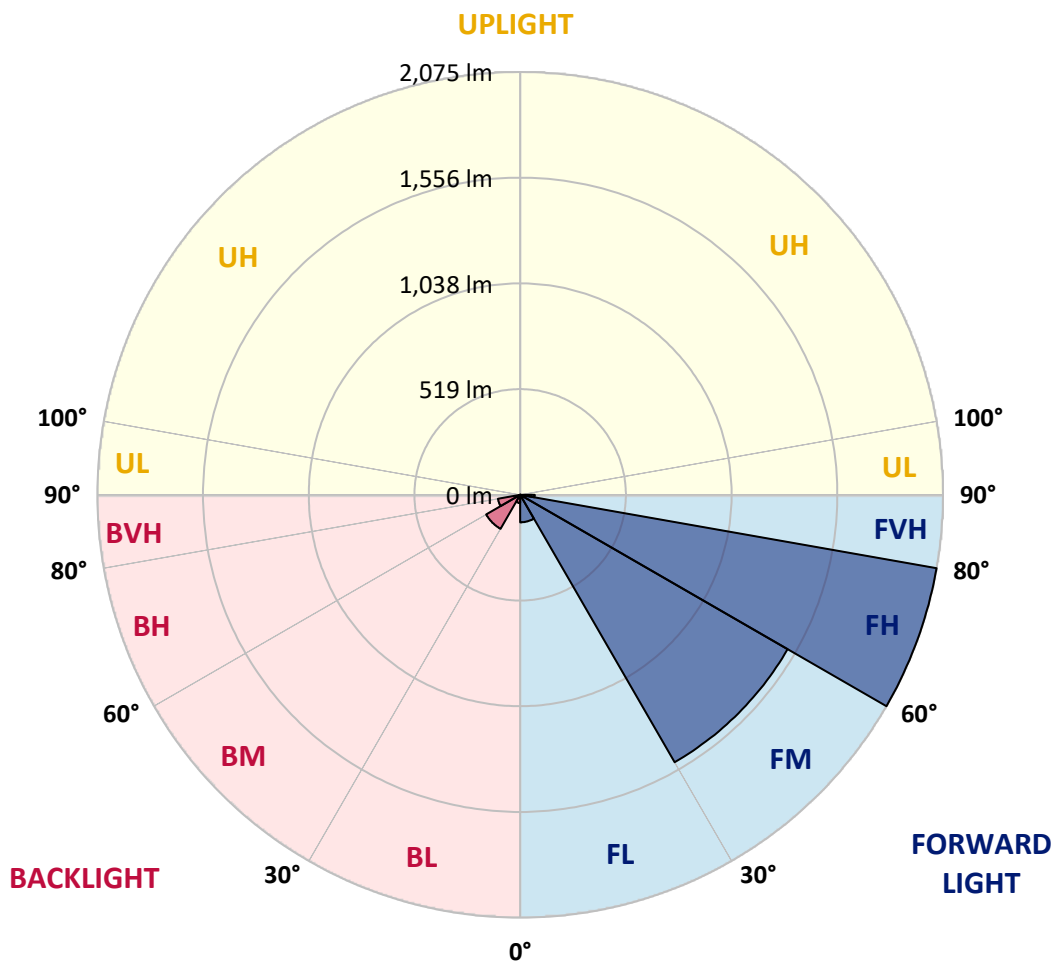
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.0	3.3			
FM	(30°-60°)	1515.4	36.6			
FH	(60°-80°)	2075.3	50.1			G2/5000
FVH	(80°-90°)	71.2	1.7			G1/100
BL	(0°-30°)	39.5	1.0	B0/110		
BM	(30°-60°)	192.8	4.7	B0/220		
BH	(60°-80°)	110.8	2.7	B1/500		G1/500
BVH	(80°-90°)	1.1	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.6	0.0	0.6	0.6	1.2	1.2	1.8	1.8	1.8	1.8
5°	31.8	27.0	26.4	23.4	16.8	4.2	1.2	1.8	1.8	1.8	1.8
7.5°	114.0	112.2	111.0	108.6	106.2	81.6	16.2	1.8	1.8	1.8	1.8
10°	122.3	120.0	118.2	115.2	111.6	107.4	102.6	13.2	1.8	1.8	1.8
12.5°	253.1	250.1	173.3	143.3	118.2	112.2	108.6	56.4	52.2	59.4	67.8
15°	266.3	263.9	257.3	248.9	223.7	126.5	170.3	211.7	137.9	146.9	146.9
17.5°	296.9	292.1	269.3	256.7	246.5	271.1	248.9	226.7	148.7	157.7	157.7
20°	415.6	414.4	407.8	284.9	259.1	343.1	271.1	241.7	274.7	286.7	272.9
22.5°	419.2	418.0	413.2	397.0	407.2	352.7	389.2	365.2	374.8	327.5	325.1
25°	556.0	551.2	441.4	404.2	459.4	376.0	463.0	403.0	395.8	409.0	409.0
27.5°	566.2	565.0	561.4	538.0	471.4	532.6	476.8	521.8	532.0	505.6	519.4
30°	644.7	605.2	584.2	570.4	555.4	559.0	556.6	600.4	554.2	565.0	559.0
32.5°	750.3	746.7	735.9	608.1	617.1	583.6	648.9	642.3	716.7	740.1	736.5
35°	897.2	839.7	769.5	703.5	640.5	693.3	670.5	747.3	765.9	776.7	798.9
37.5°	1026.2	1007.6	942.2	746.1	709.5	713.7	767.1	800.7	828.3	847.5	857.0
40°	1144.3	1130.5	1086.8	872.0	746.7	774.9	818.7	837.3	891.8	927.2	927.8
42.5°	1319.5	1327.9	1287.1	986.0	847.5	860.6	897.8	900.8	949.4	1020.2	1022.6
45°	1538.4	1527.0	1516.8	1151.5	943.4	935.0	986.6	979.4	1054.4	1153.9	1165.9
47.5°	1749.5	1733.3	1705.7	1342.2	1076.6	1018.4	1090.4	1096.3	1213.3	1340.4	1345.2
50°	1912.6	1906.6	1879.0	1564.2	1253.5	1133.5	1205.5	1276.3	1400.4	1553.4	1563.6
52.5°	2092.5	2078.7	2030.2	1772.3	1480.8	1306.9	1343.4	1467.6	1597.7	1765.7	1764.5
55°	2212.5	2214.3	2168.1	1984.6	1687.1	1503.0	1517.4	1708.1	1777.7	1949.2	1961.8
57.5°	2372.0	2358.8	2371.4	2234.1	1966.6	1702.1	1735.7	1900.6	1963.0	2174.7	2183.1
60°	2490.8	2495.6	2557.9	2464.4	2183.1	1904.8	1933.6	2057.8	2147.7	2395.4	2421.8
62.5°	2495.0	2520.8	2688.7	2695.3	2417.6	2124.3	2105.7	2218.5	2297.7	2635.3	2667.1
65°	2266.5	2282.1	2660.5	2756.5	2635.3	2339.6	2269.5	2354.0	2445.8	2895.0	2901.0
67.5°	2037.4	2042.2	2407.4	2738.5	2766.1	2598.1	2444.0	2502.2	2590.9	3065.9	3044.9
68°	1975.0	2011.0	2363.6	2728.3	2774.5	2644.9	2470.4	2530.4	2626.3	3071.3	3041.9
70°	1790.3	1828.6	2153.1	2614.3	2770.3	2821.2	2614.9	2623.3	2648.5	2890.2	2796.1
72.5°	1203.7	1229.5	1703.9	2225.1	2680.3	3026.4	2776.3	2568.1	2376.2	2118.9	2035.6
75°	463.0	466.0	858.8	1529.4	2317.4	2923.8	2605.9	2165.1	1613.9	1031.6	968.6
77.5°	172.7	169.7	248.9	708.9	1471.2	2271.9	1945.6	1327.3	672.3	270.5	264.5
80°	61.2	63.0	96.6	213.5	598.0	1327.3	1083.2	540.4	197.9	60.0	55.2
82.5°	24.0	25.8	49.2	101.4	256.7	557.2	462.4	229.7	115.8	22.8	21.6
85°	5.4	6.0	19.2	50.4	97.8	161.3	162.5	140.3	96.0	10.8	10.2
87.5°	0.6	1.2	5.4	6.6	7.8	4.2	13.8	14.4	26.4	4.2	4.2
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.8	1.8	1.8	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.8	1.8	1.8	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.8	1.8	1.8	1.2	0.6	0.6	0.0	52.8	54.6	56.4	57.0
10°	1.8	1.8	1.8	1.2	1.2	55.2	64.8	62.4	58.2	56.4	57.0
12.5°	65.4	63.6	20.4	4.2	50.4	60.6	49.8	41.4	37.2	34.2	34.2
15°	142.7	137.3	114.6	87.6	82.2	46.8	31.8	27.0	39.6	48.0	48.0
17.5°	151.7	145.1	128.3	127.1	83.4	40.8	33.0	42.6	45.0	47.4	47.4
20°	293.9	263.3	181.1	121.7	61.2	49.8	41.4	40.8	42.6	45.6	46.2
22.5°	314.9	299.9	227.9	147.5	55.8	54.0	48.0	45.6	61.2	66.6	66.6
25°	400.0	385.6	245.3	117.6	67.8	55.2	60.6	57.0	58.2	63.0	63.0
27.5°	511.6	485.2	322.1	99.0	63.0	60.0	61.8	57.0	67.2	79.8	79.8
30°	566.8	514.0	308.3	87.6	64.2	65.4	59.4	69.6	69.6	74.4	75.0
32.5°	756.3	719.7	347.3	73.8	64.2	60.0	64.8	66.0	64.8	84.0	84.6
35°	804.9	761.1	297.5	76.8	61.2	58.2	58.2	65.4	69.6	73.8	74.4
37.5°	864.2	807.3	233.9	72.0	63.6	56.4	53.4	55.8	61.2	72.0	72.6
40°	939.8	857.6	179.9	67.8	59.4	51.6	48.6	51.0	51.0	54.0	54.6
42.5°	1041.8	917.6	133.1	64.8	55.8	47.4	42.6	39.6	37.8	37.2	37.8
45°	1181.5	994.4	99.6	61.8	53.4	42.0	35.4	28.8	24.0	24.0	24.6
47.5°	1347.6	1080.2	81.0	57.0	49.8	36.0	27.0	18.6	15.0	15.6	16.2
50°	1524.6	1170.7	70.8	52.8	45.6	29.4	18.0	11.4	9.6	10.2	10.8
52.5°	1688.3	1229.5	66.6	48.6	40.2	22.8	11.4	7.8	7.2	7.2	7.8
55°	1852.6	1273.9	63.0	44.4	32.4	15.0	6.6	6.0	6.0	5.4	5.4
57.5°	2005.6	1300.3	57.0	38.4	22.8	9.0	4.8	4.8	4.2	4.2	4.2
60°	2145.9	1297.3	45.6	28.8	14.4	5.4	3.6	3.6	3.0	3.0	3.0
62.5°	2289.3	1284.1	32.4	20.4	9.6	3.6	2.4	2.4	1.8	1.2	1.8
65°	2375.6	1246.9	21.6	14.4	6.0	2.4	1.8	1.2	0.6	0.0	0.6
67.5°	2339.6	1138.9	16.2	10.8	4.2	1.8	1.2	0.6	0.0	0.0	0.0
68°	2306.7	1104.7	15.0	10.2	3.6	1.8	1.2	0.6	0.0	0.0	0.0
70°	2047.0	920.6	13.2	8.4	3.0	1.8	1.2	0.6	0.0	0.0	0.0
72.5°	1365.6	598.0	10.8	6.6	2.4	1.2	1.2	0.6	0.0	0.0	0.0
75°	629.7	191.9	8.4	5.4	1.8	1.2	1.2	0.6	0.0	0.0	0.0
77.5°	167.9	40.8	5.4	3.6	1.8	1.2	1.2	0.6	0.6	0.6	0.0
80°	40.2	12.6	3.6	3.0	1.8	1.2	1.2	0.6	0.6	0.6	0.0
82.5°	15.0	6.6	2.4	2.4	1.8	1.2	1.2	0.6	1.2	1.2	0.0
85°	6.6	4.2	2.4	2.4	1.8	1.2	1.2	1.2	1.2	1.8	0.0
87.5°	3.0	3.0	2.4	2.4	2.4	1.2	1.8	1.8	1.8	1.8	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)