

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: P413819

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413819
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-PA1-100-730-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 6866 lumens
Efficiency: N/A
Efficacy: 71.5 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): 96
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

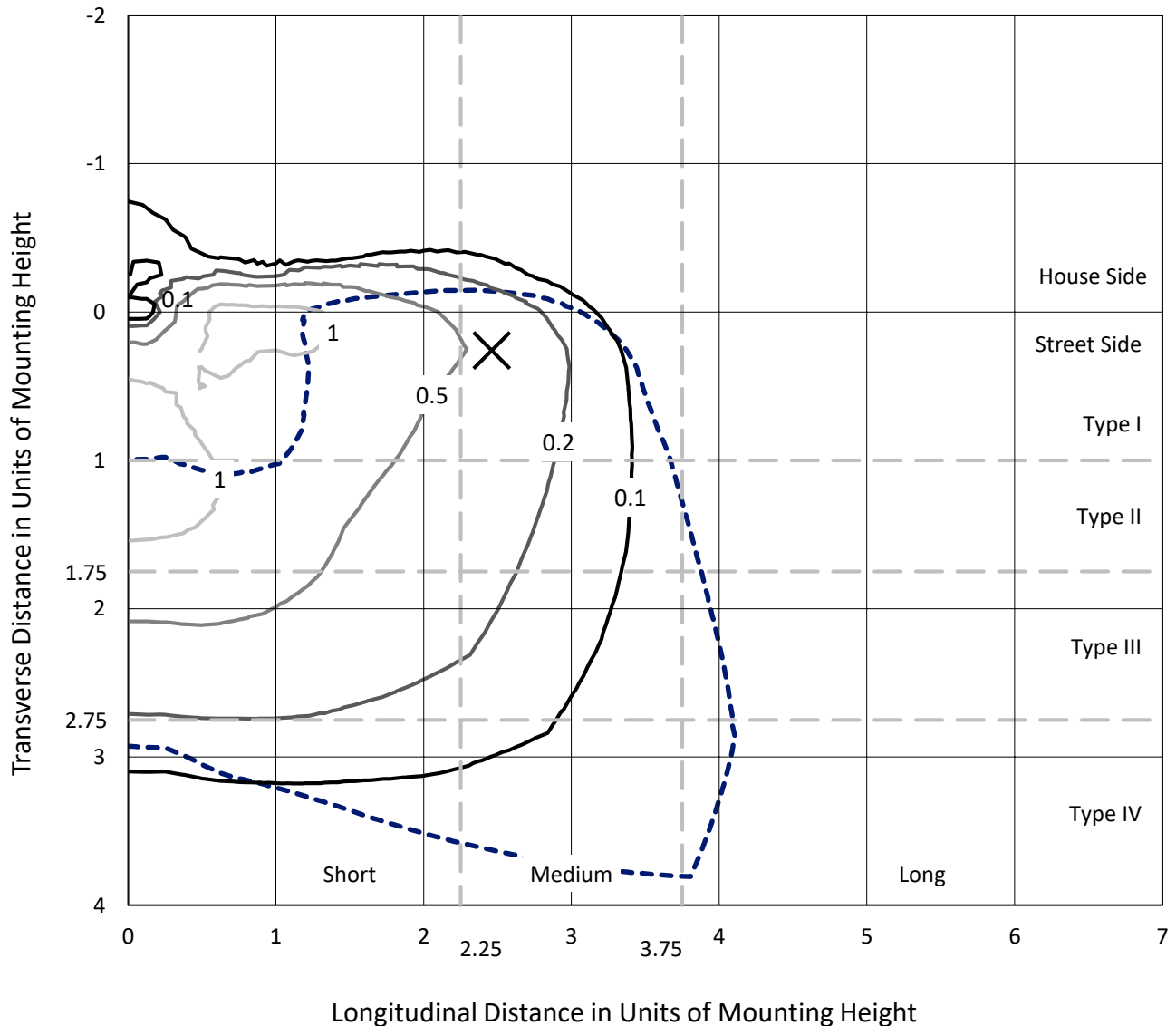


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

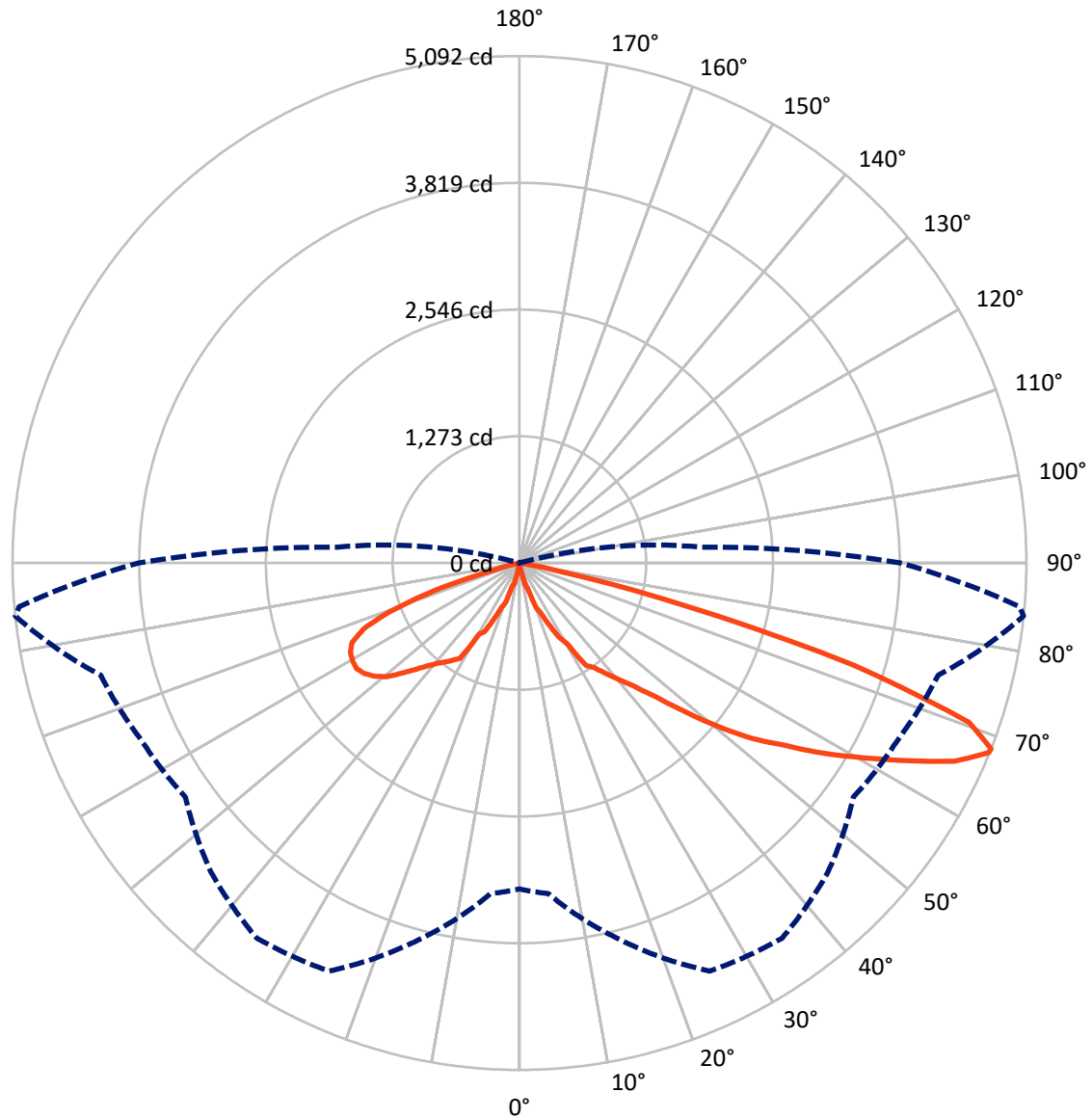


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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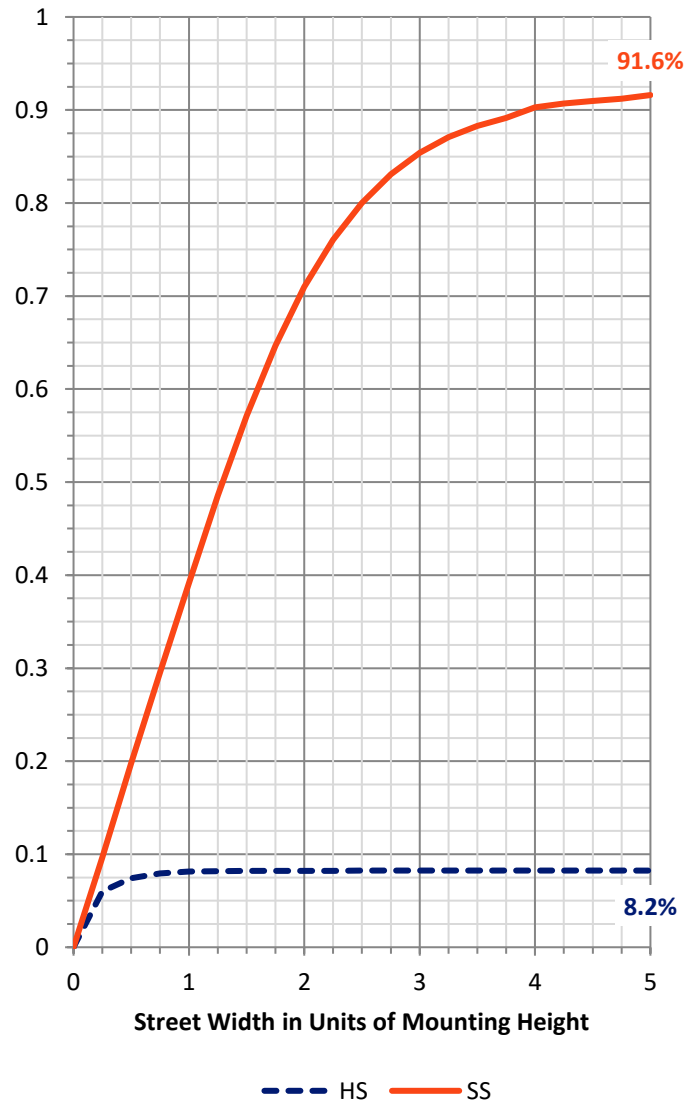
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	570.6	0.0	570.6
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	6295.4	0.0	6295.4
	% Fixture	91.7	0.0	91.7
Total	Lumens	6866.0	0.0	6866.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	62.1	0.9
20°-30°	222.6	3.2
30°-40°	475.4	6.9
40°-50°	849.6	12.4
50°-60°	1507.4	22.0
60°-70°	2166.3	31.6
70°-80°	1458.3	21.2
80°-90°	119.8	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°	6866.0	100.0
0°-180°	6866.0	100.0



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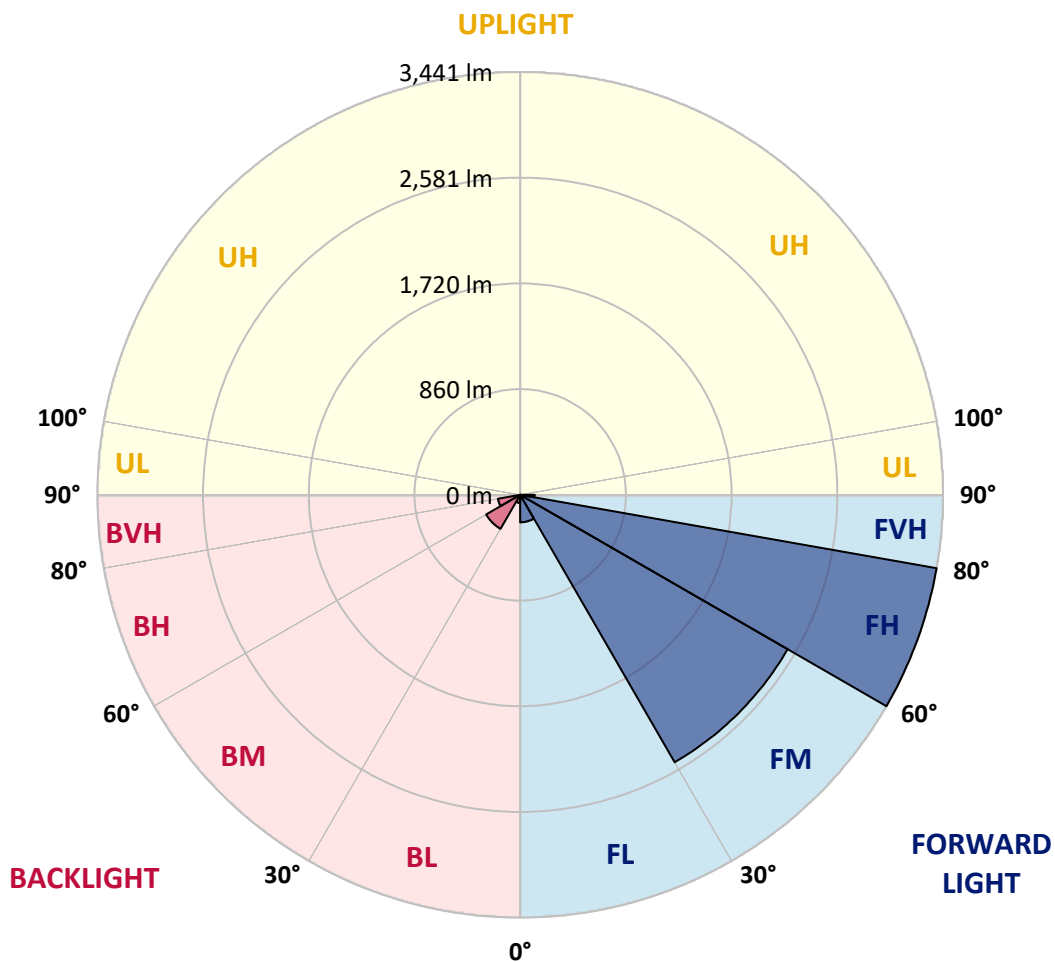
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.8	3.3			
FM (30°-60°)	2512.7	36.6			
FH (60°-80°)	3440.9	50.1			G2/5000
FVH (80°-90°)	118.0	1.7			G2/225
BL (0°-30°)	65.4	1.0	B0/110		
BM (30°-60°)	319.7	4.7	B1/1000		
BH (60°-80°)	183.7	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°	52.7	44.7	43.8	38.8	27.8	7.0	2.0	3.0	3.0	3.0	3.0
7.5°	188.9	186.0	184.0	180.0	176.0	135.2	26.8	3.0	3.0	3.0	3.0
10°	202.9	198.9	195.9	190.9	185.0	178.0	170.0	21.9	3.0	3.0	3.0
12.5°	419.6	414.7	287.4	237.7	195.9	186.0	180.0	93.5	86.5	98.4	112.4
15°	441.5	437.5	426.6	412.7	370.9	209.8	282.4	351.0	228.7	243.6	243.6
17.5°	492.2	484.3	446.5	425.6	408.7	449.5	412.7	375.9	246.6	261.5	261.5
20°	689.1	687.1	676.2	472.4	429.6	568.8	449.5	400.8	455.4	475.3	452.5
22.5°	695.1	693.1	685.2	658.3	675.2	584.7	645.4	605.6	621.5	543.0	539.0
25°	921.8	913.9	731.9	670.2	761.7	623.5	767.7	668.3	656.3	678.2	678.2
27.5°	938.7	936.7	930.8	892.0	781.6	883.0	790.6	865.1	882.1	838.3	861.2
30°	1069.0	1003.4	968.6	945.7	920.8	926.8	922.8	995.4	918.8	936.7	926.8
32.5°	1244.0	1238.1	1220.2	1008.3	1023.3	967.6	1076.0	1065.0	1188.3	1227.1	1221.2
35°	1487.7	1392.2	1275.8	1166.5	1062.0	1149.6	1111.8	1239.1	1269.9	1287.8	1324.6
37.5°	1701.5	1670.6	1562.2	1237.1	1176.4	1183.4	1271.9	1327.6	1373.3	1405.1	1421.0
40°	1897.4	1874.5	1801.9	1445.9	1238.1	1284.8	1357.4	1388.2	1478.7	1537.4	1538.4
42.5°	2187.7	2201.7	2134.0	1634.8	1405.1	1427.0	1488.7	1493.6	1574.2	1691.5	1695.5
45°	2550.7	2531.8	2514.9	1909.3	1564.2	1550.3	1635.8	1623.9	1748.2	1913.3	1933.2
47.5°	2900.7	2873.9	2828.1	2225.5	1785.0	1688.5	1807.9	1817.8	2011.7	2222.5	2230.5
50°	3171.2	3161.3	3115.5	2593.5	2078.3	1879.5	1998.8	2116.1	2322.0	2575.6	2592.5
52.5°	3469.5	3446.7	3366.1	2938.5	2455.2	2166.8	2227.5	2433.4	2649.1	2927.6	2925.6
55°	3668.4	3671.4	3594.8	3290.5	2797.3	2492.0	2515.9	2832.1	2947.5	3231.9	3252.8
57.5°	3932.9	3911.1	3931.9	3704.2	3260.7	2822.2	2877.9	3151.3	3254.7	3605.8	3619.7
60°	4129.8	4137.8	4241.2	4086.1	3619.7	3158.3	3206.0	3411.9	3561.0	3971.7	4015.5
62.5°	4136.8	4179.6	4458.0	4468.9	4008.5	3522.2	3491.4	3678.4	3809.6	4369.5	4422.2
65°	3757.9	3783.8	4411.3	4570.4	4369.5	3879.2	3762.9	3903.1	4055.3	4800.1	4810.0
67.5°	3378.1	3386.0	3991.6	4540.5	4586.3	4307.8	4052.3	4148.7	4295.9	5083.5	5048.7
68°	3274.6	3334.3	3919.0	4523.6	4600.2	4385.4	4096.0	4195.5	4354.6	5092.4	5043.7
70°	2968.4	3032.0	3570.0	4334.7	4593.2	4677.8	4335.7	4349.6	4391.4	4792.1	4636.0
72.5°	1995.8	2038.6	2825.2	3689.3	4444.1	5017.9	4603.2	4258.1	3939.9	3513.3	3375.1
75°	767.7	772.7	1424.0	2535.8	3842.5	4847.8	4320.8	3589.9	2676.0	1710.4	1606.0
77.5°	286.4	281.4	412.7	1175.4	2439.3	3766.9	3225.9	2200.7	1114.7	448.5	438.5
80°	101.4	104.4	160.1	354.0	991.4	2200.7	1795.9	896.0	328.2	99.4	91.5
82.5°	39.8	42.8	81.5	168.1	425.6	923.8	766.7	380.9	191.9	37.8	35.8
85°	8.9	9.9	31.8	83.5	162.1	267.5	269.5	232.7	159.1	17.9	16.9
87.5°	1.0	2.0	8.9	10.9	12.9	7.0	22.9	23.9	43.8	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	87.5	90.5	93.5	94.5
10°	3.0	3.0	3.0	2.0	2.0	91.5	107.4	103.4	96.5	93.5	94.5
12.5°	108.4	105.4	33.8	7.0	83.5	100.4	82.5	68.6	61.7	56.7	56.7
15°	236.7	227.7	189.9	145.2	136.2	77.6	52.7	44.7	65.6	79.6	79.6
17.5°	251.6	240.7	212.8	210.8	138.2	67.6	54.7	70.6	74.6	78.6	78.6
20°	487.3	436.6	300.3	201.9	101.4	82.5	68.6	67.6	70.6	75.6	76.6
22.5°	522.1	497.2	377.9	244.6	92.5	89.5	79.6	75.6	101.4	110.4	110.4
25°	663.3	639.4	406.7	194.9	112.4	91.5	100.4	94.5	96.5	104.4	104.4
27.5°	848.2	804.5	534.0	164.1	104.4	99.4	102.4	94.5	111.4	132.3	132.3
30°	939.7	852.2	511.1	145.2	106.4	108.4	98.4	115.4	115.4	123.3	124.3
32.5°	1254.0	1193.3	575.8	122.3	106.4	99.4	107.4	109.4	107.4	139.2	140.2
35°	1334.5	1261.9	493.2	127.3	101.4	96.5	96.5	108.4	115.4	122.3	123.3
37.5°	1433.0	1338.5	387.8	119.3	105.4	93.5	88.5	92.5	101.4	119.3	120.3
40°	1558.3	1422.0	298.3	112.4	98.4	85.5	80.5	84.5	84.5	89.5	90.5
42.5°	1727.3	1521.5	220.8	107.4	92.5	78.6	70.6	65.6	62.6	61.7	62.6
45°	1959.0	1648.8	165.1	102.4	88.5	69.6	58.7	47.7	39.8	39.8	40.8
47.5°	2234.5	1791.0	134.2	94.5	82.5	59.7	44.7	30.8	24.9	25.9	26.8
50°	2527.8	1941.1	117.3	87.5	75.6	48.7	29.8	18.9	15.9	16.9	17.9
52.5°	2799.3	2038.6	110.4	80.5	66.6	37.8	18.9	12.9	11.9	11.9	12.9
55°	3071.8	2112.2	104.4	73.6	53.7	24.9	10.9	9.9	9.9	8.9	8.9
57.5°	3325.4	2155.9	94.5	63.6	37.8	14.9	8.0	8.0	7.0	7.0	7.0
60°	3558.0	2150.9	75.6	47.7	23.9	8.9	6.0	6.0	5.0	5.0	5.0
62.5°	3795.7	2129.1	53.7	33.8	15.9	6.0	4.0	4.0	3.0	2.0	3.0
65°	3938.9	2067.4	35.8	23.9	9.9	4.0	3.0	2.0	1.0	0.0	1.0
67.5°	3879.2	1888.4	26.8	17.9	7.0	3.0	2.0	1.0	0.0	0.0	0.0
68°	3824.6	1831.7	24.9	16.9	6.0	3.0	2.0	1.0	0.0	0.0	0.0
70°	3394.0	1526.4	21.9	13.9	5.0	3.0	2.0	1.0	0.0	0.0	0.0
72.5°	2264.3	991.4	17.9	10.9	4.0	2.0	2.0	1.0	0.0	0.0	0.0
75°	1044.1	318.2	13.9	8.9	3.0	2.0	2.0	1.0	0.0	0.0	0.0
77.5°	278.4	67.6	8.9	6.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0
80°	66.6	20.9	6.0	5.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0
82.5°	24.9	10.9	4.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	0.0
85°	10.9	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)