

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: P416315

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416315
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-PA1-70-730-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5753 lumens
Efficiency: N/A
Efficacy: 77.7 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

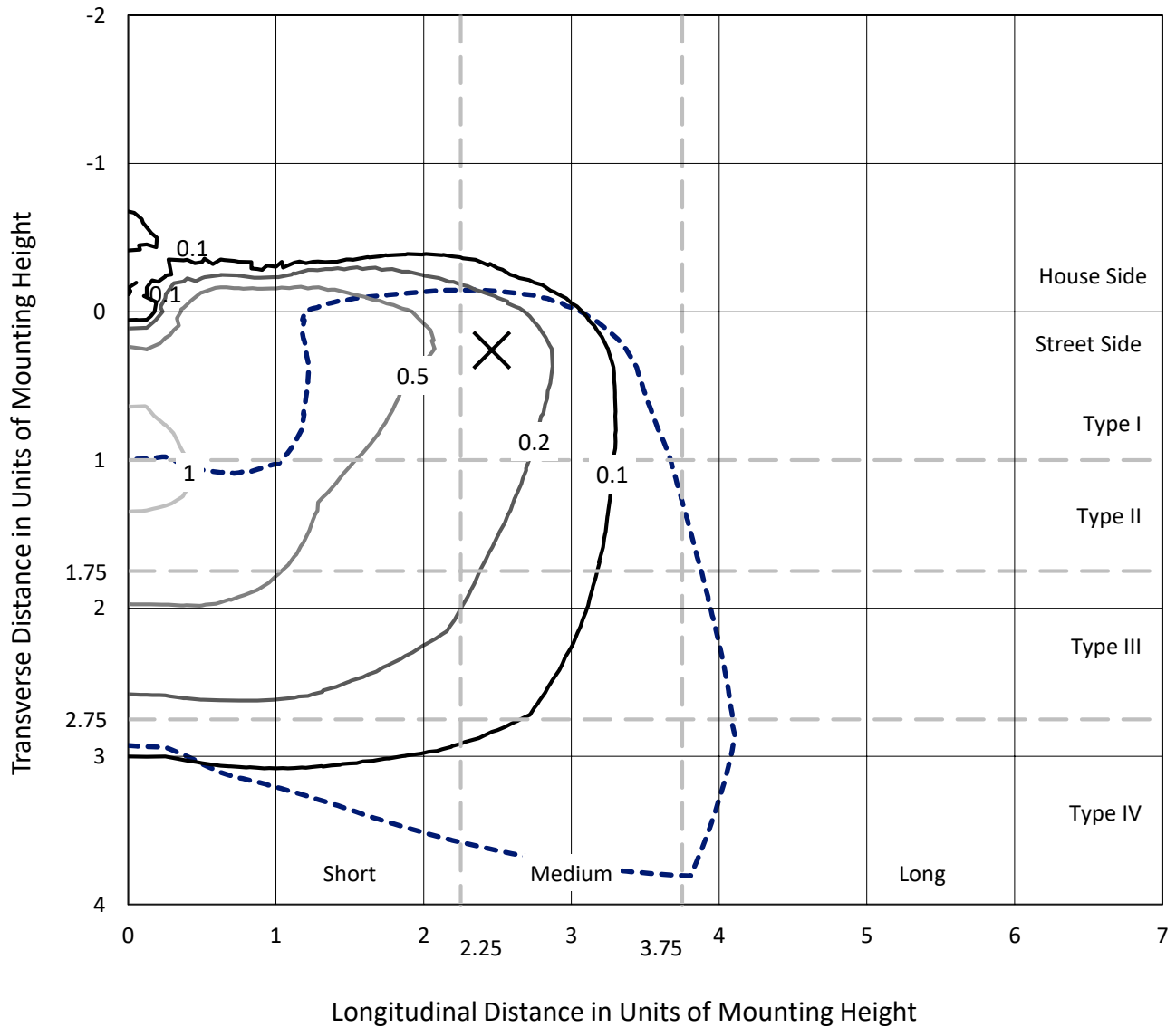
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416315
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

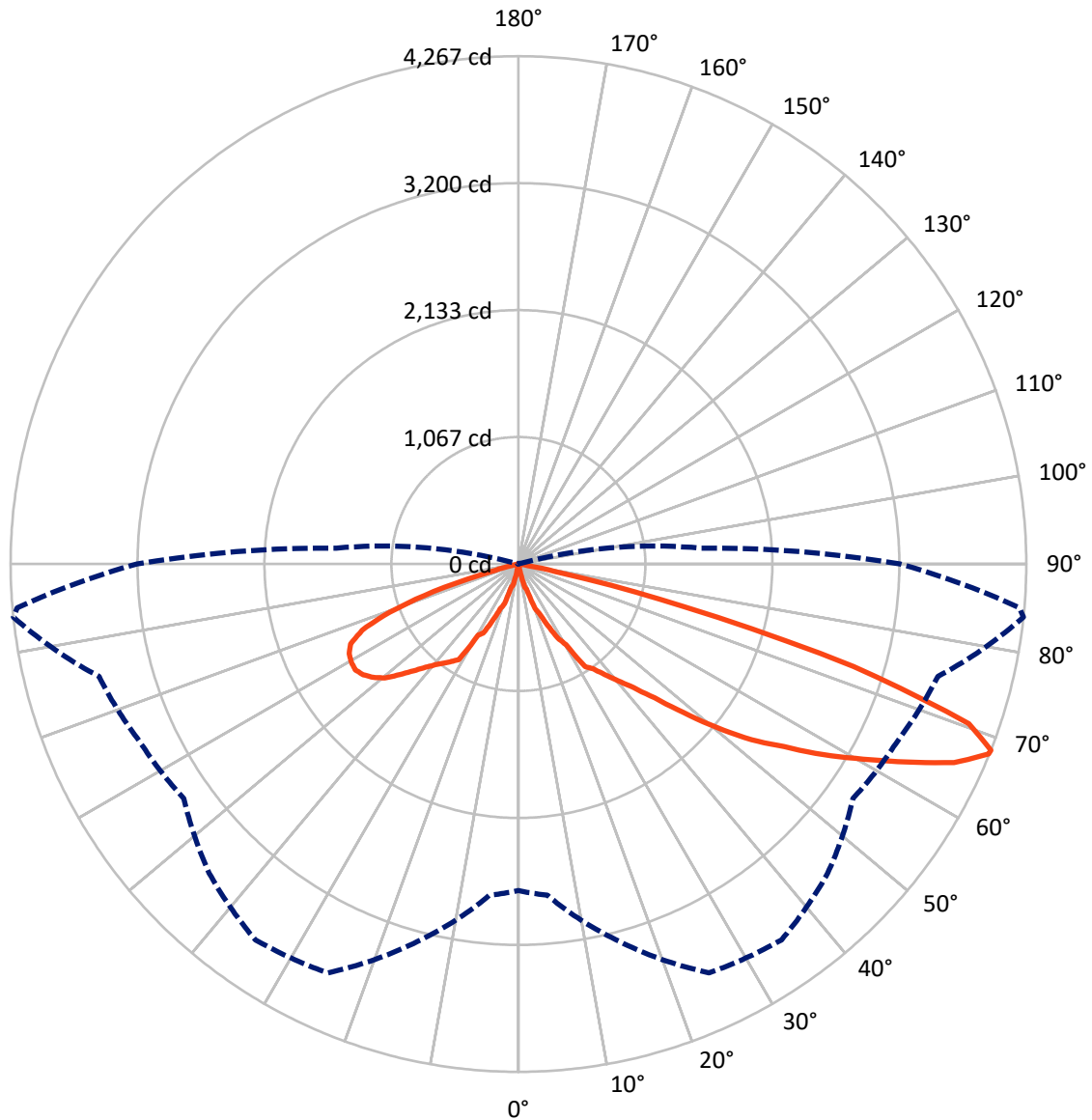
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416315
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416315

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-HSS

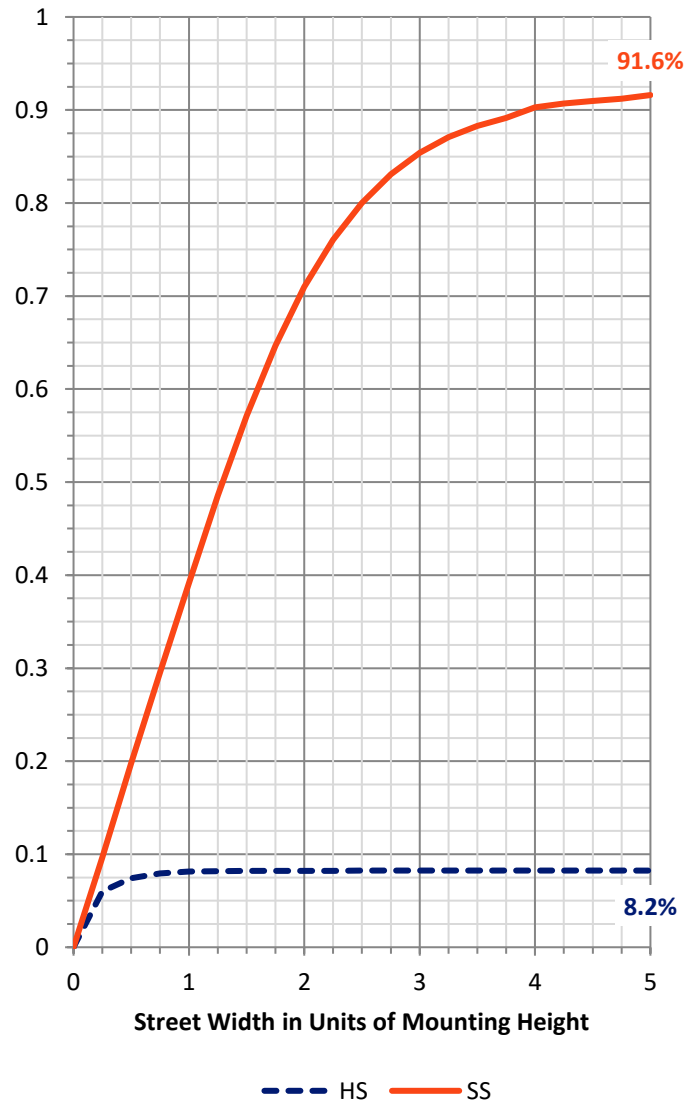
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.1	0.0	478.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5274.9	0.0	5274.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	5753.0	0.0	5753.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	52.1	0.9
20°-30°	186.5	3.2
30°-40°	398.4	6.9
40°-50°	711.9	12.4
50°-60°	1263.0	22.0
60°-70°	1815.1	31.6
70°-80°	1221.9	21.2
80°-90°	100.4	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°	5753.0	100.0
0°-180°	5753.0	100.0



REPORT NUMBER: P416315

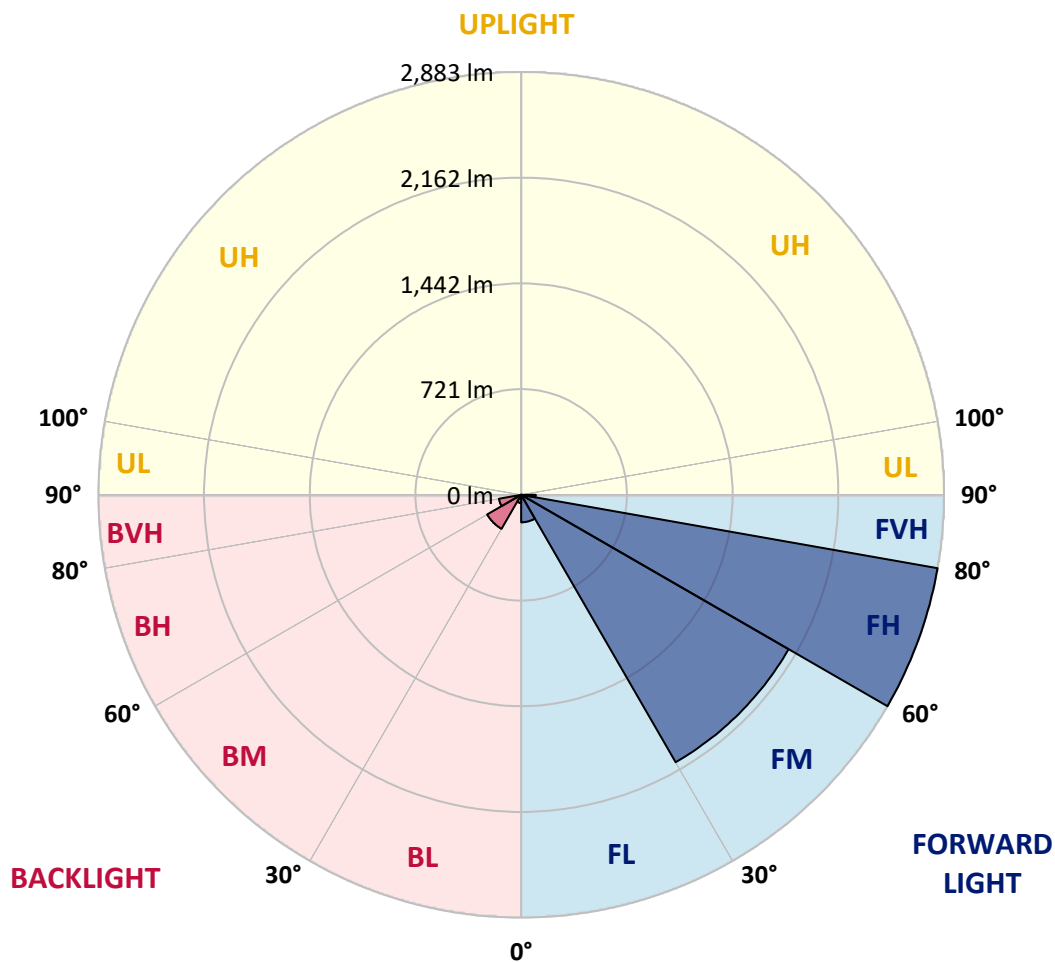
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.5	3.3			
FM	(30°-60°)	2105.4	36.6			
FH	(60°-80°)	2883.1	50.1			G2/5000
FVH	(80°-90°)	98.9	1.7			G1/100
BL	(0°-30°)	54.8	1.0	B0/110		
BM	(30°-60°)	267.9	4.7	B1/1000		
BH	(60°-80°)	153.9	2.7	B1/500		G1/500
BVH	(80°-90°)	1.5	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





REPORT NUMBER: P416315

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.0	0.8	0.8	1.7	1.7	2.5	2.5	2.5	2.5
5°	44.2	37.5	36.7	32.5	23.3	5.8	1.7	2.5	2.5	2.5	2.5
7.5°	158.3	155.8	154.1	150.8	147.5	113.3	22.5	2.5	2.5	2.5	2.5
10°	170.0	166.6	164.1	160.0	155.0	149.1	142.5	18.3	2.5	2.5	2.5
12.5°	351.6	347.5	240.8	199.1	164.1	155.8	150.8	78.3	72.5	82.5	94.2
15°	370.0	366.6	357.5	345.8	310.8	175.8	236.6	294.1	191.6	204.1	204.1
17.5°	412.4	405.8	374.1	356.6	342.5	376.6	345.8	315.0	206.6	219.1	219.1
20°	577.4	575.8	566.6	395.8	360.0	476.6	376.6	335.8	381.6	398.3	379.1
22.5°	582.4	580.8	574.1	551.6	565.8	489.9	540.8	507.4	520.8	454.9	451.6
25°	772.4	765.7	613.3	561.6	638.2	522.4	643.2	559.9	549.9	568.3	568.3
27.5°	786.6	784.9	779.9	747.4	654.9	739.9	662.4	724.9	739.1	702.4	721.6
30°	895.7	840.7	811.6	792.4	771.6	776.6	773.2	834.1	769.9	784.9	776.6
32.5°	1042.4	1037.4	1022.4	844.9	857.4	810.7	901.5	892.4	995.7	1028.2	1023.2
35°	1246.5	1166.5	1069.0	977.4	889.9	963.2	931.5	1038.2	1064.0	1079.0	1109.9
37.5°	1425.6	1399.8	1309.0	1036.5	985.7	991.5	1065.7	1112.4	1150.7	1177.3	1190.7
40°	1589.8	1570.6	1509.8	1211.5	1037.4	1076.5	1137.4	1163.2	1239.0	1288.2	1289.0
42.5°	1833.1	1844.8	1788.1	1369.8	1177.3	1195.7	1247.3	1251.5	1319.0	1417.3	1420.6
45°	2137.2	2121.4	2107.2	1599.8	1310.7	1299.0	1370.7	1360.7	1464.8	1603.1	1619.8
47.5°	2430.5	2408.0	2369.7	1864.8	1495.6	1414.8	1514.8	1523.1	1685.6	1862.3	1868.9
50°	2657.2	2648.8	2610.5	2173.0	1741.4	1574.8	1674.8	1773.1	1945.6	2158.1	2172.2
52.5°	2907.1	2888.0	2820.5	2462.2	2057.2	1815.6	1866.4	2038.9	2219.7	2453.0	2451.3
55°	3073.8	3076.3	3012.1	2757.1	2343.9	2088.1	2108.1	2373.0	2469.7	2708.0	2725.5
57.5°	3295.4	3277.1	3294.6	3103.8	2732.1	2364.7	2411.4	2640.5	2727.1	3021.3	3032.9
60°	3460.4	3467.0	3553.7	3423.7	3032.9	2646.3	2686.3	2858.8	2983.8	3327.9	3364.6
62.5°	3466.2	3502.0	3735.3	3744.5	3358.7	2951.3	2925.5	3082.1	3192.1	3661.2	3705.3
65°	3148.8	3170.4	3696.2	3829.5	3661.2	3250.4	3152.9	3270.4	3397.9	4022.0	4030.3
67.5°	2830.5	2837.1	3344.6	3804.5	3842.8	3609.5	3395.4	3476.2	3599.5	4259.4	4230.3
68°	2743.8	2793.8	3283.7	3790.3	3854.5	3674.5	3432.1	3515.4	3648.7	4266.9	4226.1
70°	2487.2	2540.5	2991.3	3632.0	3848.7	3919.5	3632.9	3644.5	3679.5	4015.3	3884.5
72.5°	1672.3	1708.1	2367.2	3091.3	3723.7	4204.4	3857.0	3567.9	3301.2	2943.8	2828.0
75°	643.2	647.4	1193.2	2124.7	3219.6	4062.0	3620.4	3007.9	2242.2	1433.1	1345.7
77.5°	240.0	235.8	345.8	984.9	2043.9	3156.3	2703.0	1843.9	934.0	375.8	367.5
80°	85.0	87.5	134.1	296.6	830.7	1843.9	1504.8	750.7	275.0	83.3	76.7
82.5°	33.3	35.8	68.3	140.8	356.6	774.1	642.4	319.1	160.8	31.7	30.0
85°	7.5	8.3	26.7	70.0	135.8	224.1	225.8	195.0	133.3	15.0	14.2
87.5°	0.8	1.7	7.5	9.2	10.8	5.8	19.2	20.0	36.7	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P416315

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.5	2.5	2.5	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.5	2.5	2.5	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.5	2.5	2.5	1.7	0.8	0.8	0.0	73.3	75.8	78.3	79.2
10°	2.5	2.5	2.5	1.7	1.7	76.7	90.0	86.7	80.8	78.3	79.2
12.5°	90.8	88.3	28.3	5.8	70.0	84.2	69.2	57.5	51.7	47.5	47.5
15°	198.3	190.8	159.1	121.7	114.2	65.0	44.2	37.5	55.0	66.7	66.7
17.5°	210.8	201.6	178.3	176.6	115.8	56.7	45.8	59.2	62.5	65.8	65.8
20°	408.3	365.8	251.6	169.1	85.0	69.2	57.5	56.7	59.2	63.3	64.2
22.5°	437.4	416.6	316.6	205.0	77.5	75.0	66.7	63.3	85.0	92.5	92.5
25°	555.8	535.8	340.8	163.3	94.2	76.7	84.2	79.2	80.8	87.5	87.5
27.5°	710.7	674.1	447.4	137.5	87.5	83.3	85.8	79.2	93.3	110.8	110.8
30°	787.4	714.1	428.3	121.7	89.2	90.8	82.5	96.7	96.7	103.3	104.2
32.5°	1050.7	999.9	482.4	102.5	89.2	83.3	90.0	91.7	90.0	116.7	117.5
35°	1118.2	1057.4	413.3	106.7	85.0	80.8	80.8	90.8	96.7	102.5	103.3
37.5°	1200.7	1121.5	325.0	100.0	88.3	78.3	74.2	77.5	85.0	100.0	100.8
40°	1305.7	1191.5	250.0	94.2	82.5	71.7	67.5	70.8	70.8	75.0	75.8
42.5°	1447.3	1274.8	185.0	90.0	77.5	65.8	59.2	55.0	52.5	51.7	52.5
45°	1641.5	1381.5	138.3	85.8	74.2	58.3	49.2	40.0	33.3	33.3	34.2
47.5°	1872.3	1500.6	112.5	79.2	69.2	50.0	37.5	25.8	20.8	21.7	22.5
50°	2118.1	1626.5	98.3	73.3	63.3	40.8	25.0	15.8	13.3	14.2	15.0
52.5°	2345.5	1708.1	92.5	67.5	55.8	31.7	15.8	10.8	10.0	10.0	10.8
55°	2573.8	1769.8	87.5	61.7	45.0	20.8	9.2	8.3	8.3	7.5	7.5
57.5°	2786.3	1806.4	79.2	53.3	31.7	12.5	6.7	6.7	5.8	5.8	5.8
60°	2981.3	1802.3	63.3	40.0	20.0	7.5	5.0	5.0	4.2	4.2	4.2
62.5°	3180.4	1783.9	45.0	28.3	13.3	5.0	3.3	3.3	2.5	1.7	2.5
65°	3300.4	1732.3	30.0	20.0	8.3	3.3	2.5	1.7	0.8	0.0	0.8
67.5°	3250.4	1582.3	22.5	15.0	5.8	2.5	1.7	0.8	0.0	0.0	0.0
68°	3204.6	1534.8	20.8	14.2	5.0	2.5	1.7	0.8	0.0	0.0	0.0
70°	2843.8	1279.0	18.3	11.7	4.2	2.5	1.7	0.8	0.0	0.0	0.0
72.5°	1897.3	830.7	15.0	9.2	3.3	1.7	1.7	0.8	0.0	0.0	0.0
75°	874.9	266.6	11.7	7.5	2.5	1.7	1.7	0.8	0.0	0.0	0.0
77.5°	233.3	56.7	7.5	5.0	2.5	1.7	1.7	0.8	0.8	0.8	0.0
80°	55.8	17.5	5.0	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.0
82.5°	20.8	9.2	3.3	3.3	2.5	1.7	1.7	0.8	1.7	1.7	0.0
85°	9.2	5.8	3.3	3.3	2.5	1.7	1.7	1.7	1.7	2.5	0.0
87.5°	4.2	4.2	3.3	3.3	3.3	1.7	2.5	2.5	2.5	2.5	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)