

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: P254196

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-T2U-7030-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3746.5 lumens
Efficiency: N/A
Efficacy: 69.4 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 (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

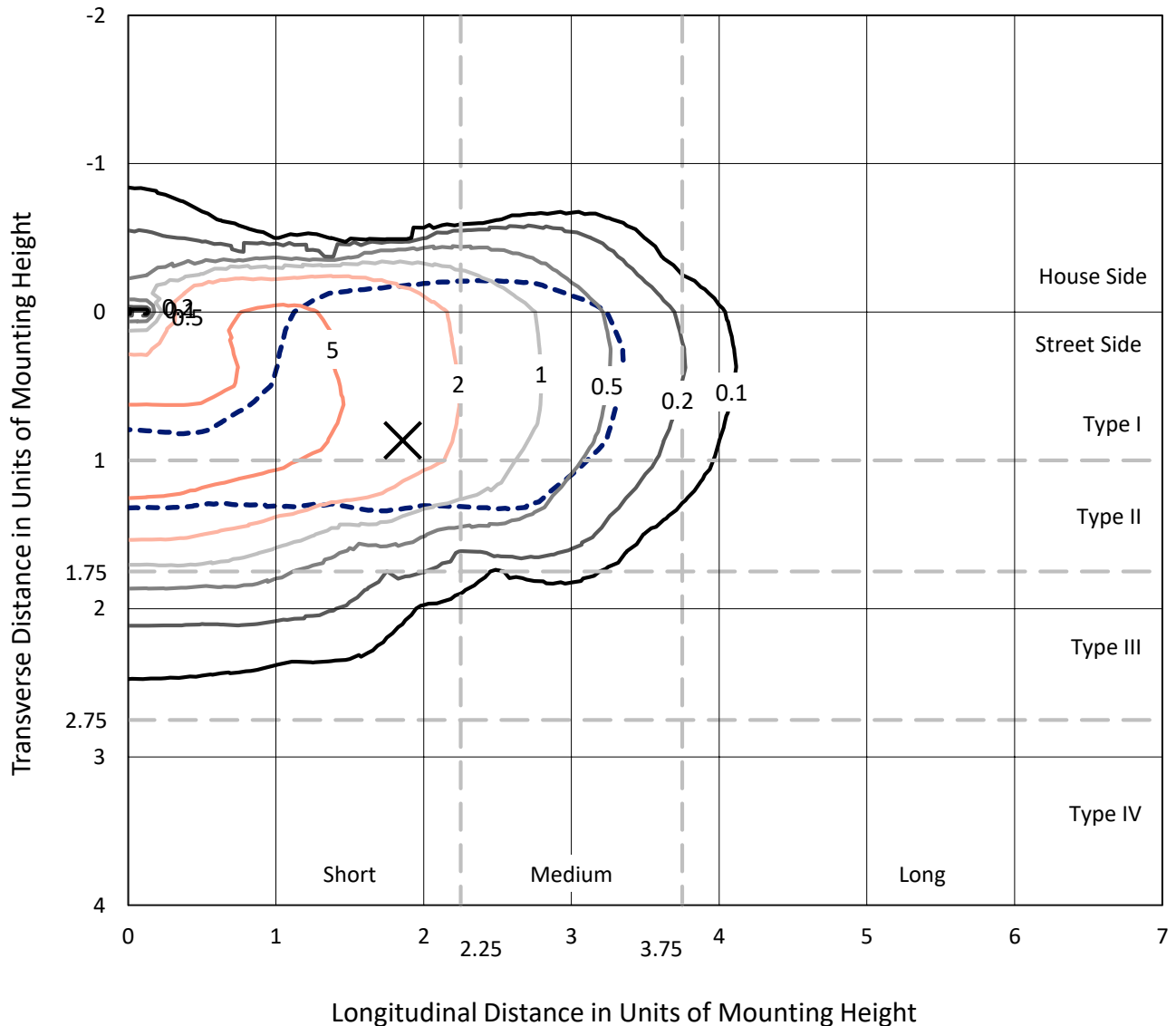


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

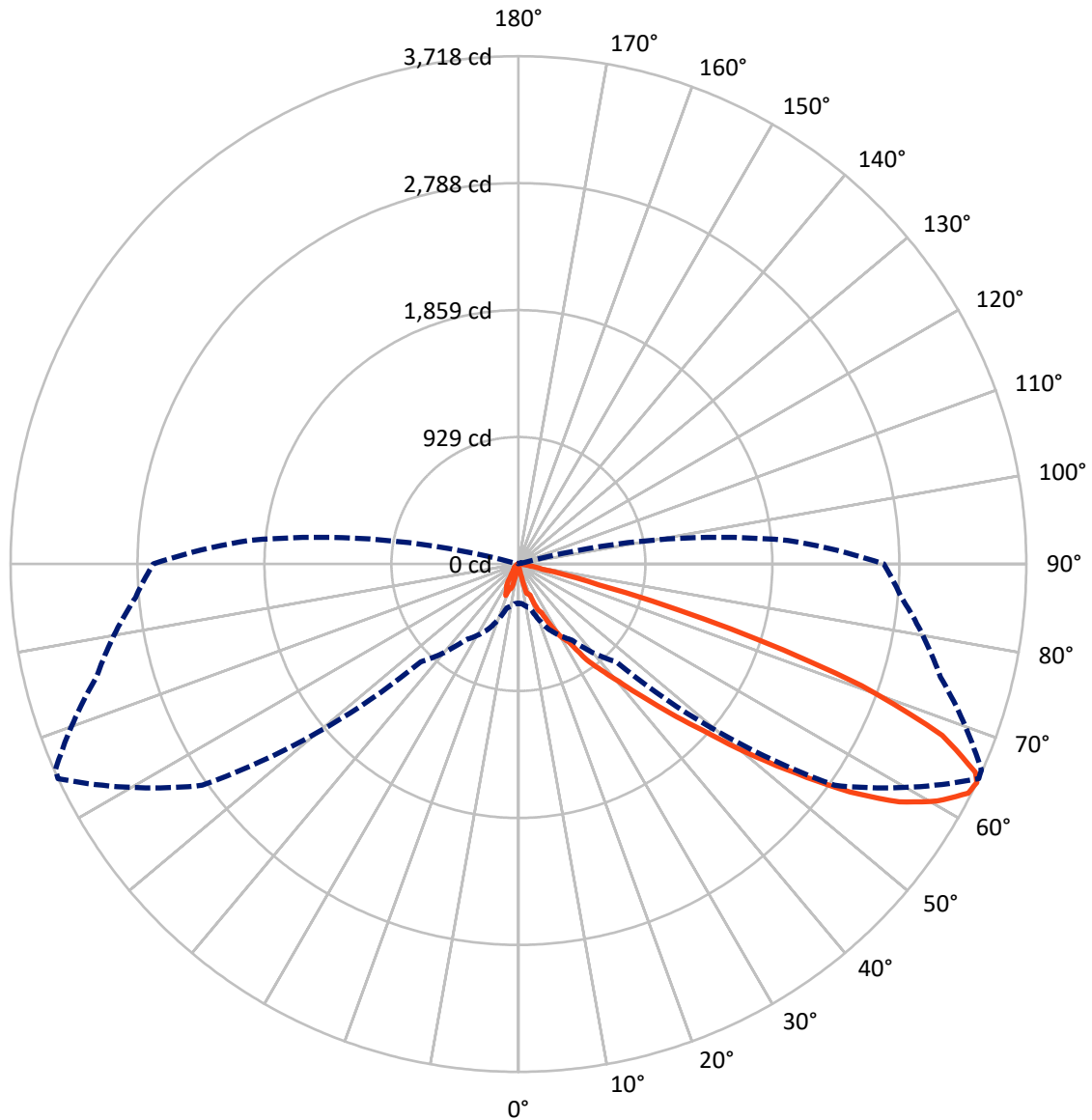


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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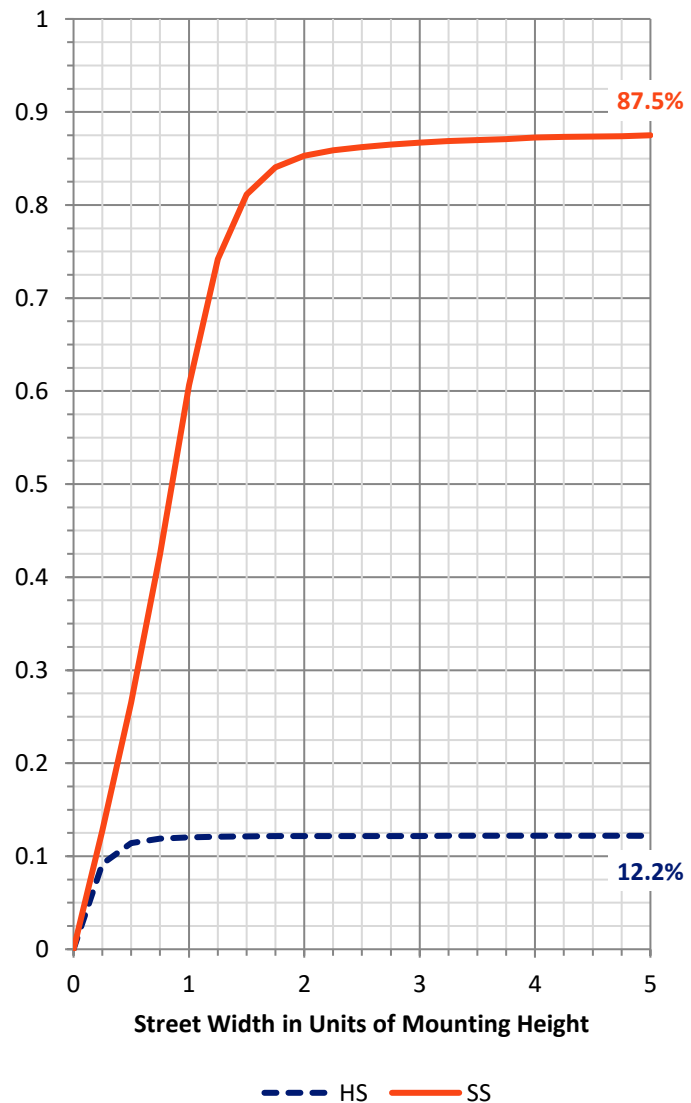
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	461.8	0.0	461.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3284.6	0.0	3284.6
	% Fixture	87.7	0.0	87.7
Total	Lumens	3746.5	0.0	3746.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	37.4	1.0
20°-30°	127.1	3.4
30°-40°	356.8	9.5
40°-50°	828.4	22.1
50°-60°	1157.9	30.9
60°-70°	913.4	24.4
70°-80°	305.9	8.2
80°-90°	16.6	0.4
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°	3746.5	100.0
0°-180°	3746.5	100.0



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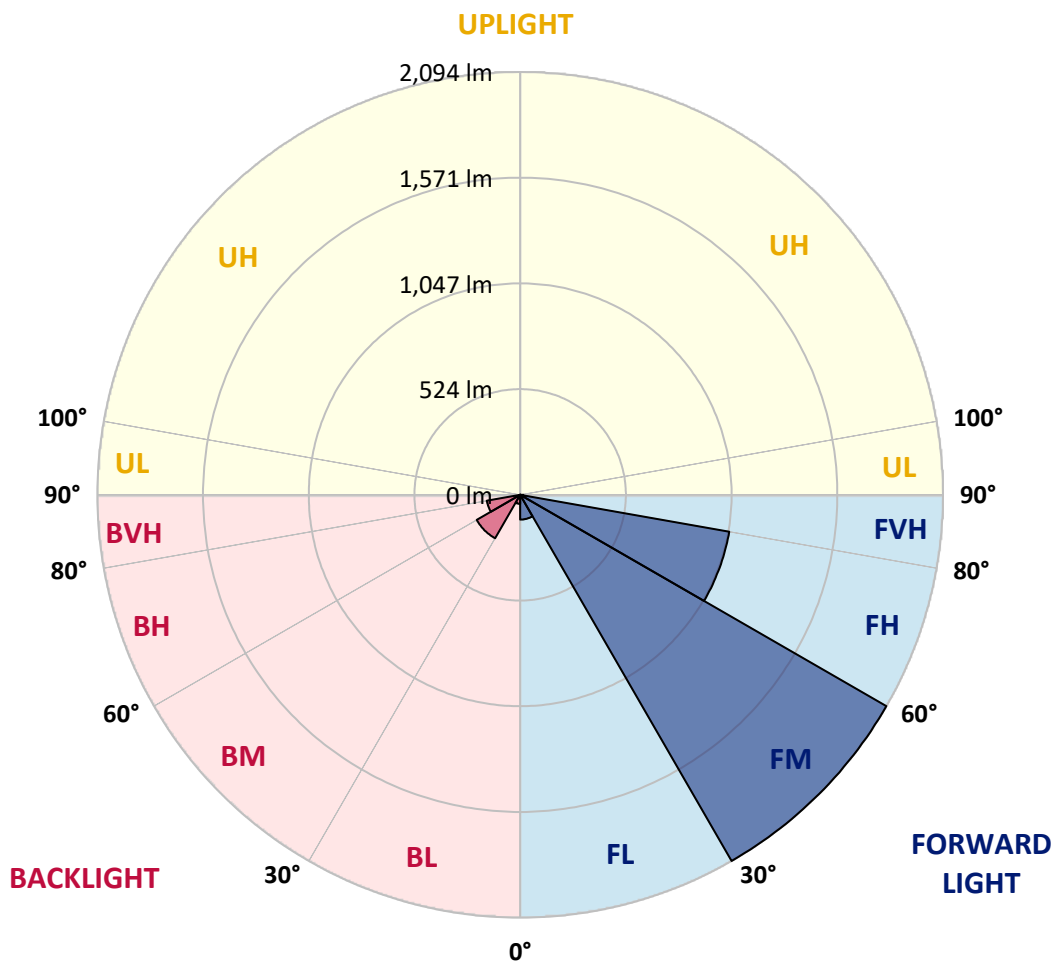
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.8	3.3			
FM (30°-60°)	2094.5	55.9			
FH (60°-80°)	1051.6	28.1			G1/1800
FVH (80°-90°)	15.8	0.4			G1/100
BL (0°-30°)	44.7	1.2	B0/110		
BM (30°-60°)	248.6	6.6	B1/1000		
BH (60°-80°)	167.7	4.5	B1/500		G1/500
BVH (80°-90°)	0.8	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	73.8	30.6	23.2	14.4	4.4	1.2	0.6	0.0	0.0	0.0	0.0
7.5°	106.3	105.7	105.7	107.0	108.1	98.8	7.5	0.6	0.0	0.0	0.0
10°	101.3	100.7	100.7	102.6	104.5	106.3	107.0	3.8	2.5	0.0	0.0
12.5°	202.6	201.4	193.9	115.7	104.5	105.1	107.6	73.2	43.8	16.3	77.6
15°	199.5	198.9	199.5	203.9	203.9	108.8	162.6	219.5	218.8	142.6	166.9
17.5°	204.6	201.4	200.2	203.2	208.2	240.8	238.3	230.7	231.4	151.4	171.3
20°	294.6	295.2	299.6	228.9	215.8	304.7	270.2	242.7	246.4	290.8	315.2
22.5°	299.6	299.0	304.7	315.2	371.5	312.7	362.0	364.1	372.1	380.9	338.3
25°	414.0	413.4	338.3	331.5	397.1	350.8	433.4	394.0	400.9	402.2	414.6
27.5°	468.4	462.8	466.5	468.4	419.0	492.9	449.0	520.4	498.4	551.0	526.0
30°	596.7	579.2	536.0	542.9	518.4	525.3	544.1	621.6	601.0	584.1	574.8
32.5°	872.4	861.8	819.3	676.1	629.3	571.7	660.5	680.4	683.0	799.3	796.8
35°	1274.6	1199.5	1049.4	943.8	753.7	746.8	732.4	860.0	866.2	910.5	910.0
37.5°	1794.4	1779.3	1566.0	1216.5	995.7	875.6	911.2	986.3	962.6	1055.8	1057.0
40°	2110.8	2096.4	1923.8	1622.4	1272.1	1100.8	1057.6	1130.2	1090.1	1251.4	1220.2
42.5°	2339.1	2324.1	2198.4	1918.1	1676.1	1482.2	1287.7	1318.4	1292.7	1437.2	1423.4
45°	2475.5	2454.2	2400.4	2162.7	2008.3	1926.4	1619.9	1552.9	1559.2	1670.5	1655.5
47.5°	2467.9	2435.4	2449.1	2304.1	2289.1	2334.8	2033.2	1819.3	1890.6	1950.1	1911.3
50°	2272.8	2247.1	2324.7	2344.0	2473.0	2656.8	2471.0	2173.9	2263.5	2225.9	2145.2
52.5°	1911.3	1916.3	2028.8	2160.3	2504.9	2878.9	2891.3	2544.8	2666.2	2475.5	2357.9
55°	1528.5	1542.3	1665.5	1824.4	2309.7	2951.4	3242.2	2943.9	3049.5	2681.2	2511.8
57.5°	1123.8	1145.8	1300.3	1435.3	1900.0	2766.2	3415.5	3286.6	3349.8	2858.2	2632.4
60°	666.1	678.0	883.2	1078.8	1376.5	2217.8	3408.6	3522.4	3543.8	3041.4	2728.8
62.5°	393.5	399.7	468.4	728.0	906.9	1454.1	3149.1	3694.4	3688.1	3158.3	2795.1
64°	287.1	291.4	334.0	528.5	678.0	1012.7	2823.8	3717.5	3710.0	3197.8	2813.8
65°	240.2	243.8	273.9	417.2	564.1	774.3	2462.9	3676.2	3671.2	3217.8	2812.6
67.5°	192.7	193.3	202.0	244.5	384.0	406.6	1426.0	3346.6	3331.7	3238.5	2766.2
70°	172.6	175.2	190.7	192.7	280.8	267.0	501.6	2665.6	2633.0	3074.5	2658.8
72.5°	137.0	140.7	165.7	188.9	202.6	200.2	228.9	1625.4	1638.6	2259.1	2228.4
75°	95.7	99.4	125.1	156.3	160.1	146.3	165.1	610.4	602.2	1115.7	1296.0
77.5°	59.4	61.3	78.2	112.5	148.8	96.9	115.0	177.0	189.4	346.0	354.0
80°	39.5	40.0	49.3	74.4	103.1	87.5	68.9	89.5	91.3	108.8	53.7
82.5°	21.9	22.5	31.2	46.9	62.0	77.6	44.4	53.7	57.0	67.5	28.7
85°	7.5	8.0	16.3	26.2	37.4	37.4	28.7	32.6	33.1	42.5	15.0
87.5°	0.0	0.0	3.8	6.9	6.2	2.5	6.2	5.0	4.4	6.9	2.5
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	78.7	87.0	87.5	88.8
10°	0.0	0.0	0.6	0.6	0.0	83.8	88.8	87.0	82.6	81.3	80.1
12.5°	80.1	76.9	10.6	2.5	70.7	87.5	78.7	67.5	57.0	53.7	51.3
15°	165.1	163.3	145.8	160.1	99.4	75.1	55.6	60.1	50.7	47.5	46.3
17.5°	167.6	165.1	155.7	188.3	155.1	76.3	51.3	41.3	37.4	36.3	35.6
20°	318.4	308.9	226.3	185.0	118.9	77.6	39.5	33.1	30.6	33.8	35.6
22.5°	327.7	317.1	273.2	248.3	99.4	50.7	37.4	36.3	38.1	36.3	36.3
25°	413.4	382.2	300.3	203.9	88.2	45.1	42.5	33.1	30.6	29.4	29.4
27.5°	513.5	489.7	414.6	191.4	59.4	47.5	36.9	28.7	31.9	31.9	31.9
30°	549.1	515.9	419.0	167.6	52.6	43.1	31.2	31.2	28.2	26.9	26.9
32.5°	788.7	740.4	537.9	117.6	47.5	36.3	31.2	26.2	25.6	27.6	27.6
35°	878.8	822.4	524.1	87.0	41.9	33.1	26.9	25.6	24.4	24.4	24.4
37.5°	998.8	932.5	481.0	64.5	39.5	28.2	23.8	22.5	23.2	24.4	25.0
40°	1155.8	1075.7	445.9	53.2	33.8	24.4	21.3	21.9	21.9	21.9	21.9
42.5°	1340.9	1230.3	394.0	47.5	28.7	21.9	19.3	19.3	20.0	20.0	20.0
45°	1553.5	1399.1	321.4	41.9	25.0	18.8	17.5	17.5	17.5	16.9	17.5
47.5°	1778.7	1581.7	243.8	36.9	21.3	16.9	15.7	15.0	15.0	14.4	15.0
50°	2002.6	1751.9	178.2	31.9	18.8	15.0	13.1	13.1	13.1	12.4	12.4
52.5°	2181.5	1866.9	126.3	27.6	16.3	13.1	11.3	10.6	10.6	10.1	10.1
55°	2331.6	1935.7	92.6	23.2	14.4	11.3	9.4	8.7	8.7	8.0	8.7
57.5°	2447.3	1978.8	70.0	18.8	12.4	9.4	7.5	6.9	6.9	6.9	6.9
60°	2544.8	1993.2	53.7	15.7	10.6	7.5	6.2	5.7	5.7	5.0	5.7
62.5°	2635.6	1989.5	44.4	13.7	9.4	6.2	5.0	4.4	3.8	3.2	3.8
64°	2674.3	1979.4	40.0	11.9	8.7	5.7	4.4	3.8	3.2	1.8	2.5
65°	2690.6	1963.8	36.9	10.6	8.0	5.0	4.4	3.8	1.8	1.2	1.8
67.5°	2676.9	1883.2	28.7	9.4	6.2	3.8	3.2	2.5	0.6	0.6	1.2
70°	2523.6	1711.8	21.9	8.0	5.7	3.2	2.5	1.8	1.2	0.6	1.2
72.5°	1982.0	1230.8	16.9	6.2	4.4	1.8	2.5	1.8	1.2	0.6	0.0
75°	1063.2	462.1	12.4	5.0	3.8	1.8	1.8	1.2	0.6	0.6	0.0
77.5°	273.9	145.8	8.7	3.2	3.2	1.2	1.2	1.2	0.6	0.6	0.0
80°	42.5	20.6	3.8	2.5	1.8	0.6	1.2	0.6	0.6	1.2	0.0
82.5°	17.5	8.0	2.5	1.8	1.8	0.0	1.2	0.6	0.6	0.6	0.0
85°	4.4	3.2	1.8	1.2	1.2	0.0	0.6	0.0	0.6	0.6	0.0
87.5°	0.6	1.2	1.2	1.2	1.2	0.0	0.6	0.0	0.0	0.0	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)