

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: P417398

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6029 lumens
Efficiency: N/A
Efficacy: 64.1 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): 94
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

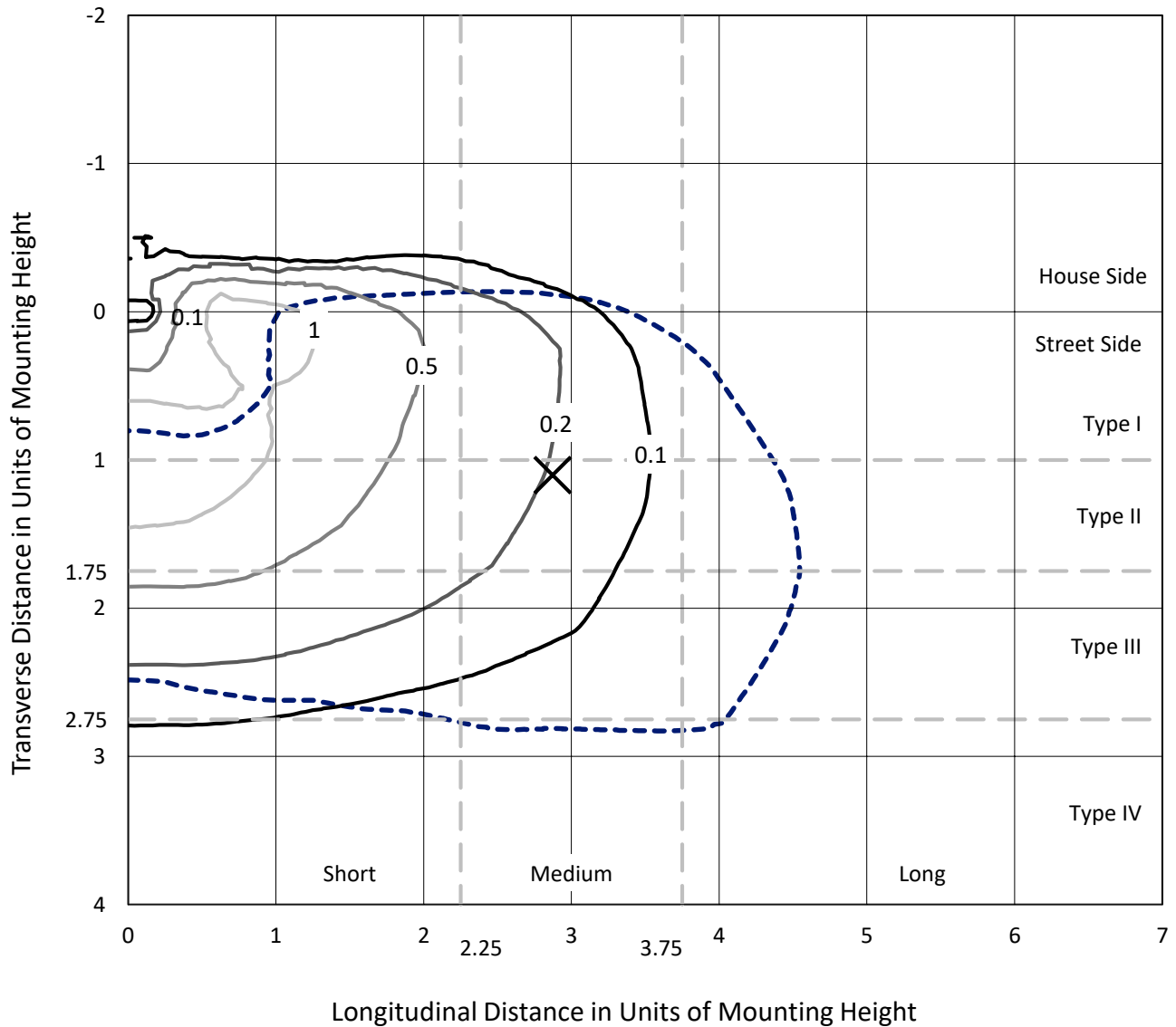


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

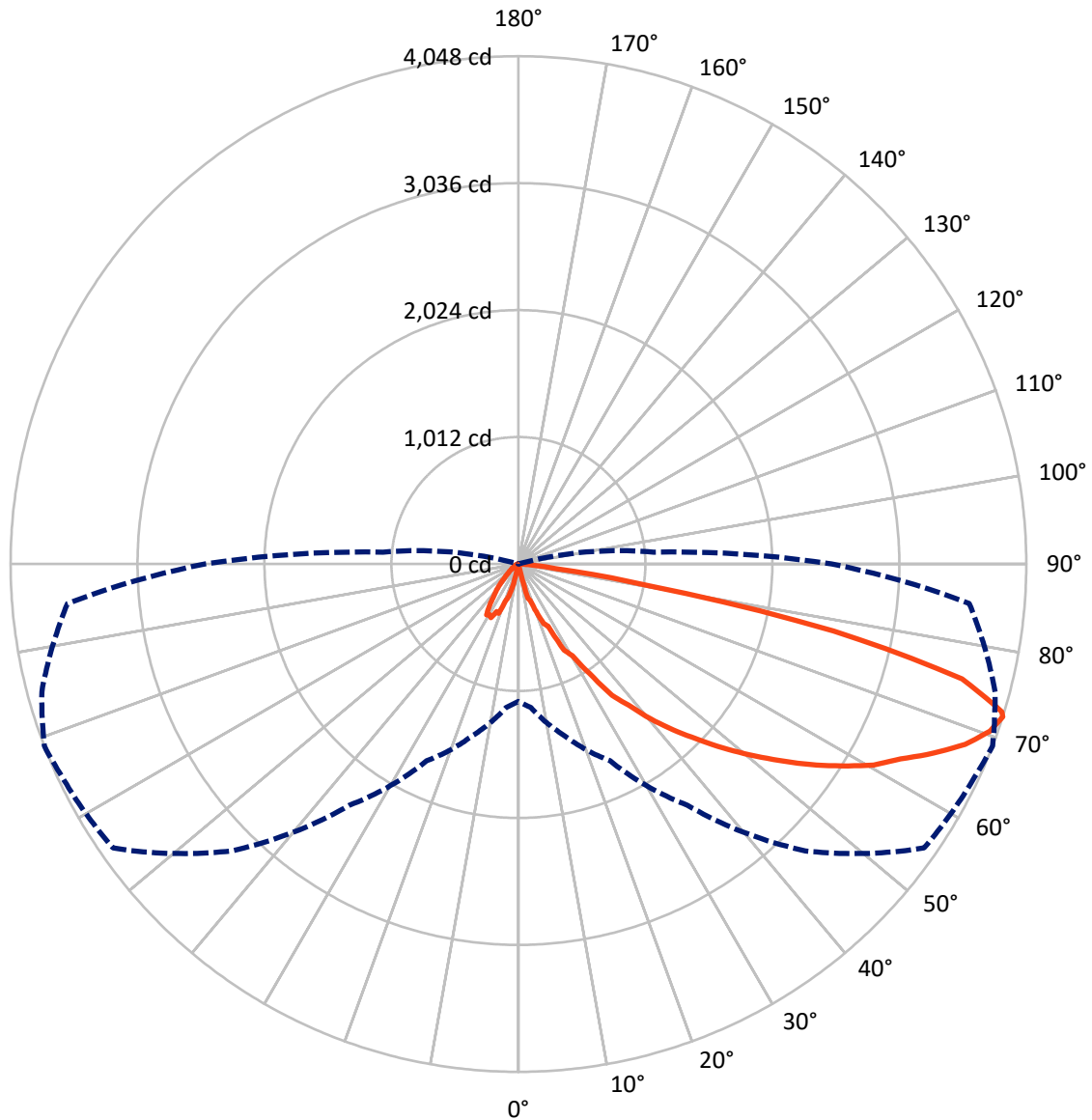


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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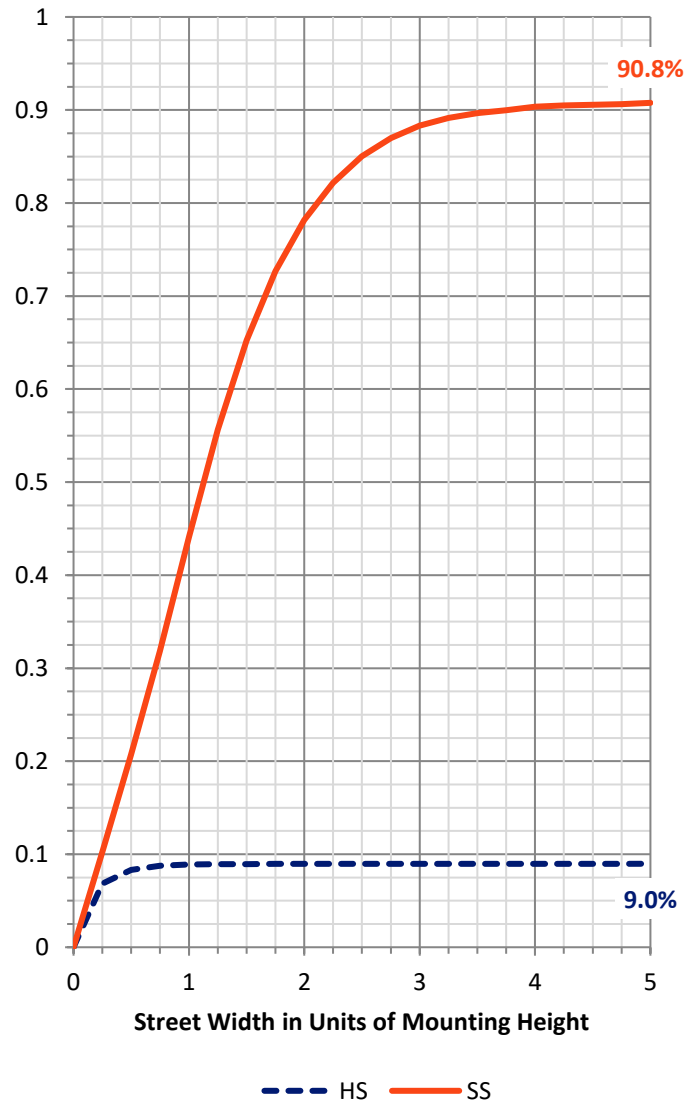
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.7	0.0	546.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5482.3	0.0	5482.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	6029.0	0.0	6029.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	52.4	0.9
20°-30°	187.8	3.1
30°-40°	479.6	8.0
40°-50°	949.0	15.7
50°-60°	1495.5	24.8
60°-70°	1739.5	28.9
70°-80°	1056.0	17.5
80°-90°	65.3	1.1
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°	6029.0	100.0
0°-180°	6029.0	100.0



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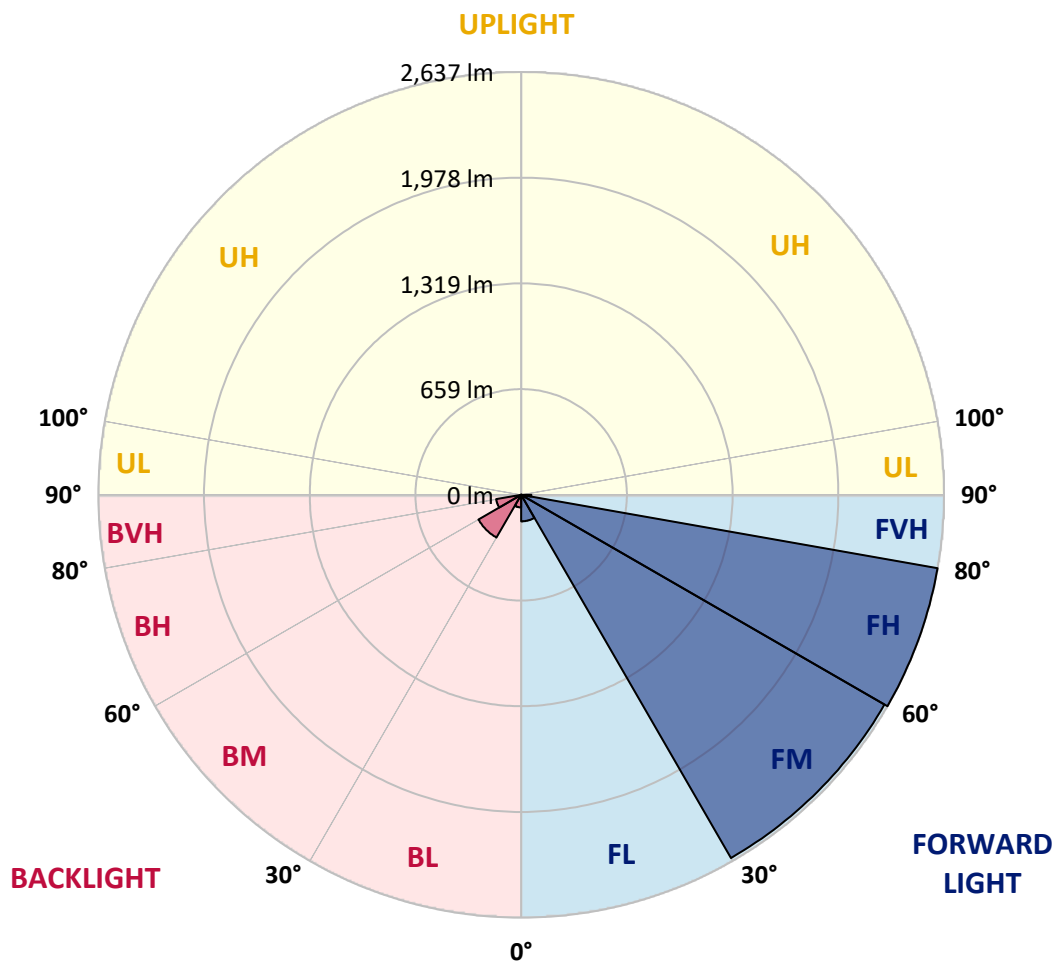
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.5	2.7			
FM	(30°-60°)	2616.4	43.4			
FH	(60°-80°)	2637.3	43.7			G2/5000
FVH	(80°-90°)	63.1	1.0			G1/100
BL	(0°-30°)	78.5	1.3	B0/110		
BM	(30°-60°)	307.7	5.1	B1/1000		
BH	(60°-80°)	158.2	2.6	B1/500		G1/500
BVH	(80°-90°)	2.3	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°	69°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.9	0.9	0.9	0.9	1.7	1.7	2.6	2.6	2.6	2.6	2.6
5°	84.0	54.8	41.1	34.3	17.1	4.3	2.6	2.6	2.6	2.6	2.6
7.5°	129.4	129.4	130.2	131.1	133.7	112.2	24.0	2.6	2.6	2.6	2.6
10°	125.1	124.2	124.2	125.9	129.4	132.8	136.2	18.0	4.3	2.6	2.6
12.5°	244.2	241.6	224.5	156.8	128.5	130.2	137.1	104.5	29.1	17.1	98.5
15°	241.6	240.7	242.5	246.7	248.5	138.8	203.0	275.9	281.9	190.2	230.5
17.5°	263.9	256.2	244.2	245.9	253.6	298.1	287.0	299.0	305.0	213.3	249.3
20°	365.0	364.1	365.8	287.0	268.2	377.8	332.4	324.7	403.5	422.4	468.6
22.5°	372.7	371.0	373.5	382.1	429.2	395.0	481.5	492.6	515.8	570.6	535.5
25°	521.8	521.8	428.4	399.2	489.2	446.4	596.3	560.3	548.3	612.6	688.8
27.5°	629.7	622.9	600.6	557.7	508.9	631.4	634.8	765.9	777.1	855.0	869.6
30°	797.6	788.2	729.1	695.7	631.4	664.0	741.1	910.7	849.0	911.6	975.0
32.5°	1180.6	1166.9	1092.3	876.4	795.9	719.7	888.4	977.5	1038.4	1208.0	1277.4
35°	1529.3	1440.2	1338.2	1173.7	964.7	935.6	958.7	1212.3	1284.3	1336.5	1406.8
37.5°	1880.5	1882.3	1780.3	1381.1	1219.1	1080.4	1155.7	1354.5	1427.3	1504.4	1567.8
40°	2162.4	2119.6	1983.4	1690.4	1438.5	1299.7	1309.1	1493.3	1622.7	1719.5	1732.3
42.5°	2522.2	2504.3	2303.8	1973.1	1722.1	1586.7	1545.6	1636.4	1807.7	1872.0	1911.4
45°	2866.7	2840.1	2669.6	2295.2	2025.3	1873.7	1817.2	1818.0	1986.8	2055.3	2111.9
47.5°	3124.5	3081.7	2990.0	2591.6	2406.6	2187.3	2069.9	2025.3	2189.8	2278.9	2310.6
50°	3394.4	3324.2	3251.3	2926.6	2735.6	2545.4	2320.9	2271.2	2390.3	2489.7	2515.4
52.5°	3575.2	3473.2	3422.7	3165.7	3030.3	2909.5	2571.9	2516.3	2601.1	2718.4	2697.9
55°	3483.5	3451.8	3506.6	3372.1	3241.1	3107.4	2845.2	2799.8	2822.1	2920.6	2871.8
57.5°	3292.5	3301.9	3463.8	3489.5	3430.4	3304.5	3090.3	3082.6	3037.2	3117.7	3054.3
60°	3092.8	3128.0	3353.3	3481.8	3524.6	3482.7	3349.0	3292.5	3252.2	3308.7	3259.0
62.5°	2825.5	2832.4	3134.8	3413.3	3488.7	3621.4	3529.8	3502.4	3419.3	3503.2	3482.7
65°	2489.7	2498.3	2782.7	3177.7	3380.7	3648.0	3671.1	3700.3	3636.0	3659.1	3724.3
67.5°	2114.4	2130.7	2379.2	2760.4	3148.5	3595.7	3788.5	3844.2	3839.1	3832.2	3896.5
70°	1711.8	1722.9	1925.1	2259.2	2773.3	3451.8	3897.3	3968.4	3988.1	3940.2	3894.8
72°	1094.9	1148.9	1416.2	1731.5	2347.5	3233.3	3946.2	4013.8	4048.1	3933.3	3607.7
72.5°	860.2	903.0	1308.2	1586.7	2201.8	3182.8	3936.7	3998.4	4030.1	3895.6	3486.1
75°	185.1	190.2	409.5	771.1	1388.8	2438.3	3610.3	3618.0	3652.3	3394.4	2386.9
77.5°	79.7	80.5	113.9	254.5	498.6	1246.6	2499.1	2570.2	2567.7	2196.7	1154.0
80°	55.7	57.4	67.7	116.5	237.3	360.7	1220.9	1228.6	1057.2	785.6	287.9
82.5°	29.1	30.8	48.0	69.4	161.1	131.9	395.0	398.4	293.9	185.1	66.8
85°	5.1	7.7	23.1	42.0	62.5	53.1	86.5	108.8	94.2	73.7	28.3
87.5°	0.9	0.9	6.0	6.0	8.6	5.1	8.6	9.4	10.3	15.4	7.7
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	78.8	106.2	113.1	120.8
10°	2.6	3.4	2.6	2.6	1.7	107.9	132.8	134.5	136.2	136.2	135.4
12.5°	108.8	111.4	39.4	7.7	100.2	137.1	130.2	119.1	108.8	105.4	104.5
15°	233.0	233.9	211.6	182.5	194.5	129.4	102.0	115.7	117.4	113.1	113.1
17.5°	251.0	251.0	239.9	293.0	245.9	129.4	107.1	88.2	75.4	72.0	71.1
20°	496.9	435.2	352.1	297.3	200.5	144.8	75.4	64.3	62.5	62.5	65.1
22.5°	536.3	528.6	458.4	401.0	172.2	102.0	73.7	73.7	87.4	85.7	84.8
25°	700.0	689.7	519.2	348.7	172.2	87.4	93.4	82.2	80.5	78.8	77.1
27.5°	885.0	863.6	729.9	315.3	121.7	91.7	89.1	78.0	92.5	92.5	91.7
30°	1007.5	927.0	735.1	282.7	102.8	97.7	84.0	90.8	82.2	77.1	77.1
32.5°	1305.7	1268.8	898.7	199.6	97.7	88.2	88.2	78.0	69.4	72.0	71.1
35°	1399.9	1351.9	800.2	149.9	90.0	81.4	73.7	68.5	59.1	53.1	52.3
37.5°	1516.4	1453.9	671.7	115.7	88.2	72.0	60.8	52.3	45.4	45.4	44.6
40°	1659.5	1564.4	549.2	98.5	78.0	61.7	47.1	40.3	36.0	33.4	32.6
42.5°	1816.3	1668.9	422.4	89.1	67.7	50.5	35.1	29.1	26.6	25.7	25.7
45°	1981.6	1765.7	303.3	81.4	59.1	39.4	25.7	20.6	19.7	19.7	19.7
47.5°	2150.4	1836.0	206.5	73.7	49.7	29.1	18.8	15.4	15.4	14.6	14.6
50°	2315.8	1884.0	142.2	66.0	40.3	20.6	13.7	12.9	12.9	12.0	12.0
52.5°	2435.7	1872.8	106.2	57.4	31.7	15.4	11.1	10.3	10.3	10.3	10.3
55°	2552.2	1848.0	87.4	48.8	24.0	11.1	8.6	7.7	7.7	7.7	7.7
57.5°	2672.2	1814.6	75.4	39.4	17.1	8.6	6.0	6.0	6.0	6.0	6.0
60°	2771.6	1749.5	65.1	31.7	12.0	6.0	5.1	4.3	4.3	4.3	4.3
62.5°	2882.1	1683.5	55.7	24.0	8.6	4.3	3.4	2.6	2.6	1.7	2.6
65°	2960.9	1603.0	45.4	17.1	6.0	3.4	2.6	1.7	0.9	0.0	0.9
67.5°	2959.2	1495.9	32.6	11.1	4.3	2.6	1.7	0.9	0.0	0.0	0.0
70°	2829.8	1342.5	22.3	7.7	3.4	1.7	1.7	0.9	0.0	0.0	0.0
72°	2497.4	1082.9	17.1	6.9	3.4	1.7	1.7	0.9	0.0	0.0	0.0
72.5°	2380.9	993.8	15.4	6.0	3.4	1.7	1.7	0.9	0.0	0.0	0.0
75°	1512.2	413.8	12.0	5.1	3.4	1.7	1.7	0.9	0.9	0.9	0.0
77.5°	702.5	151.6	8.6	4.3	2.6	1.7	1.7	0.9	0.9	1.7	0.0
80°	153.4	44.6	6.0	4.3	2.6	1.7	1.7	1.7	1.7	2.6	0.0
82.5°	35.1	14.6	5.1	3.4	2.6	1.7	1.7	1.7	1.7	2.6	0.0
85°	12.9	8.6	5.1	4.3	3.4	1.7	1.7	2.6	2.6	3.4	0.0
87.5°	5.1	5.1	4.3	4.3	3.4	1.7	2.6	2.6	3.4	3.4	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)