

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: P695950

Luminaire Tested: **LXF.LXT-PA16-740-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-740-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7763 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

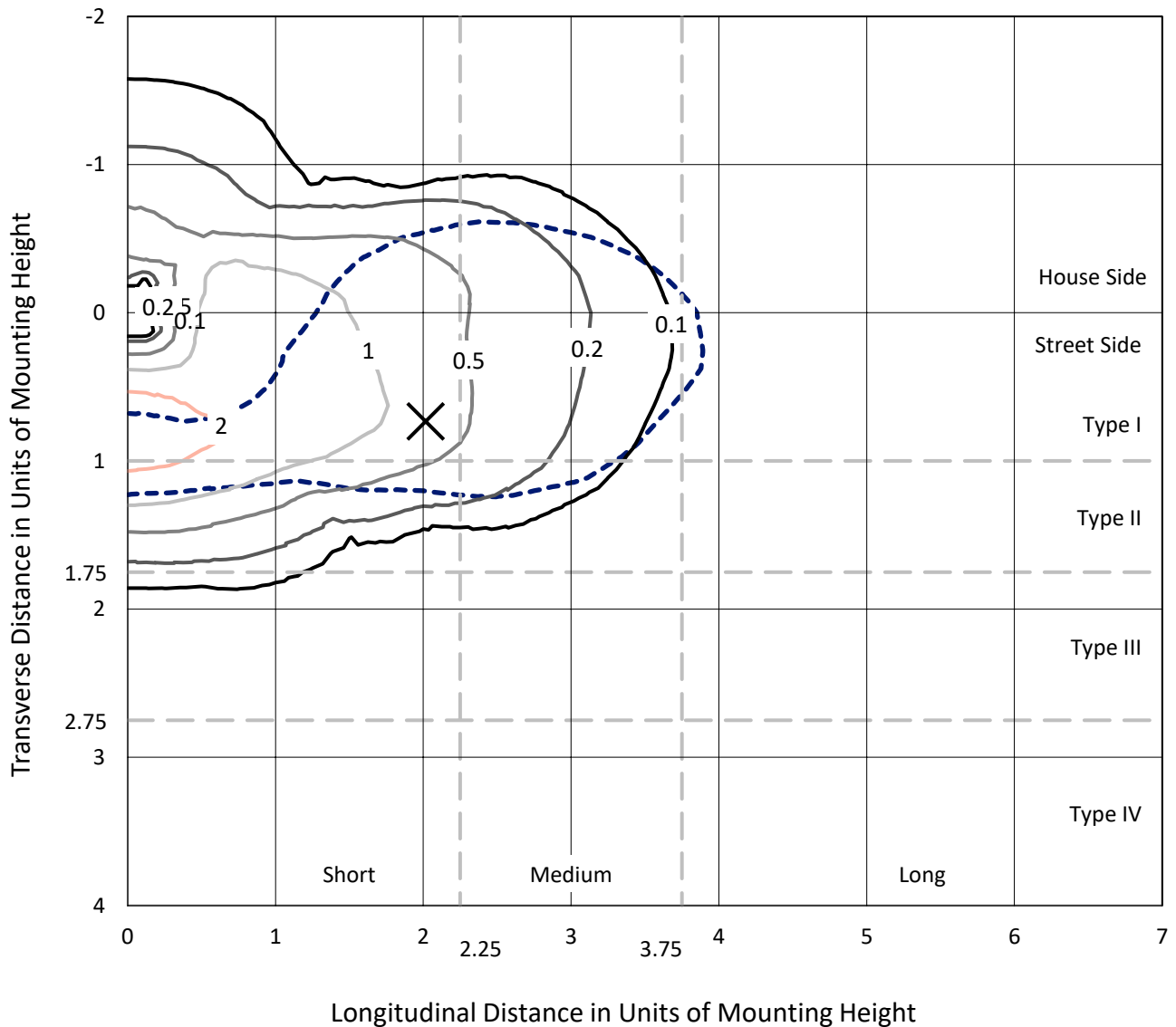
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

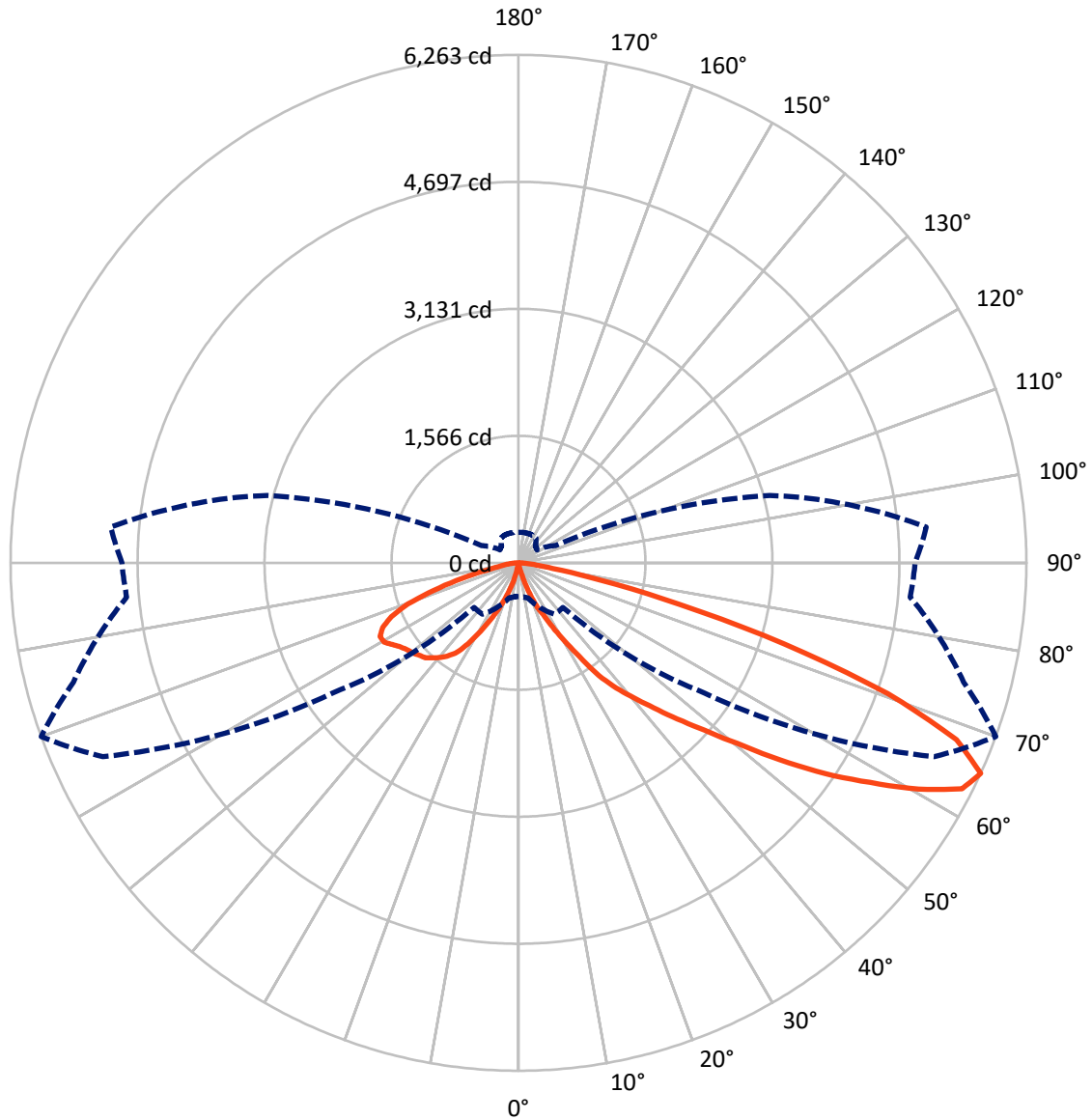
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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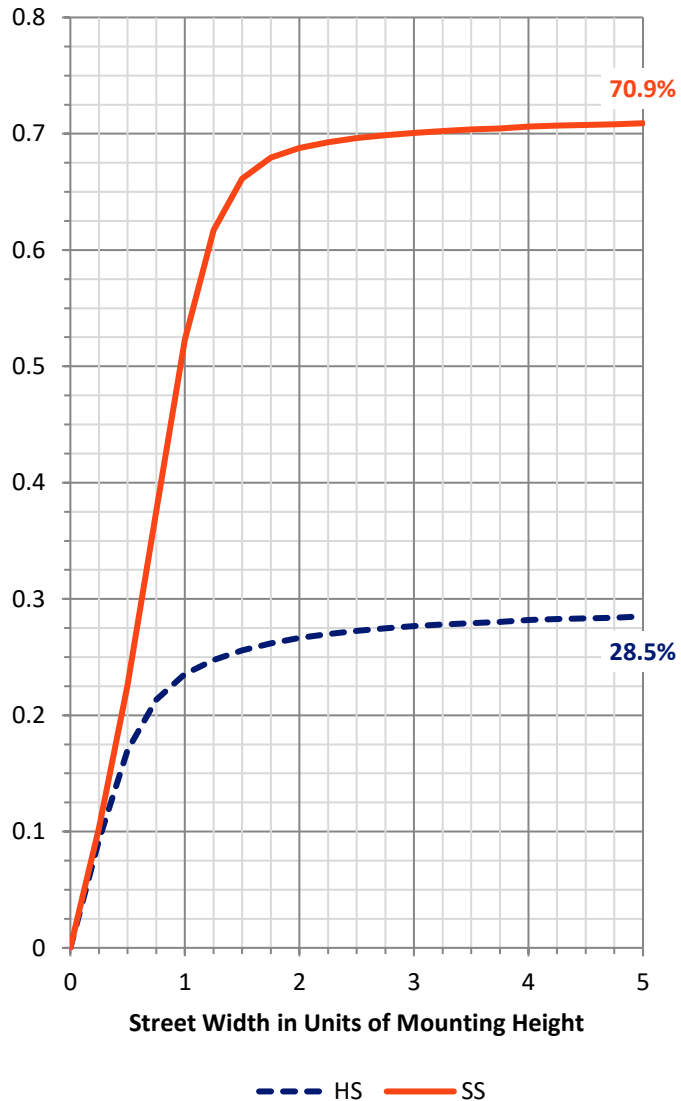
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2242.6	0.0	2242.6
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	5520.4	0.0	5520.4
	% Fixture	71.1	0.0	71.1
Total	Lumens	7763.0	0.0	7763.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	56.9	0.7
20°-30°	357.8	4.6
30°-40°	951.8	12.3
40°-50°	1629.2	21.0
50°-60°	1993.1	25.7
60°-70°	1789.7	23.1
70°-80°	881.5	11.4
80°-90°	102.7	1.3
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°	7763.0	100.0
0°-180°	7763.0	100.0

Coefficient of Utilization

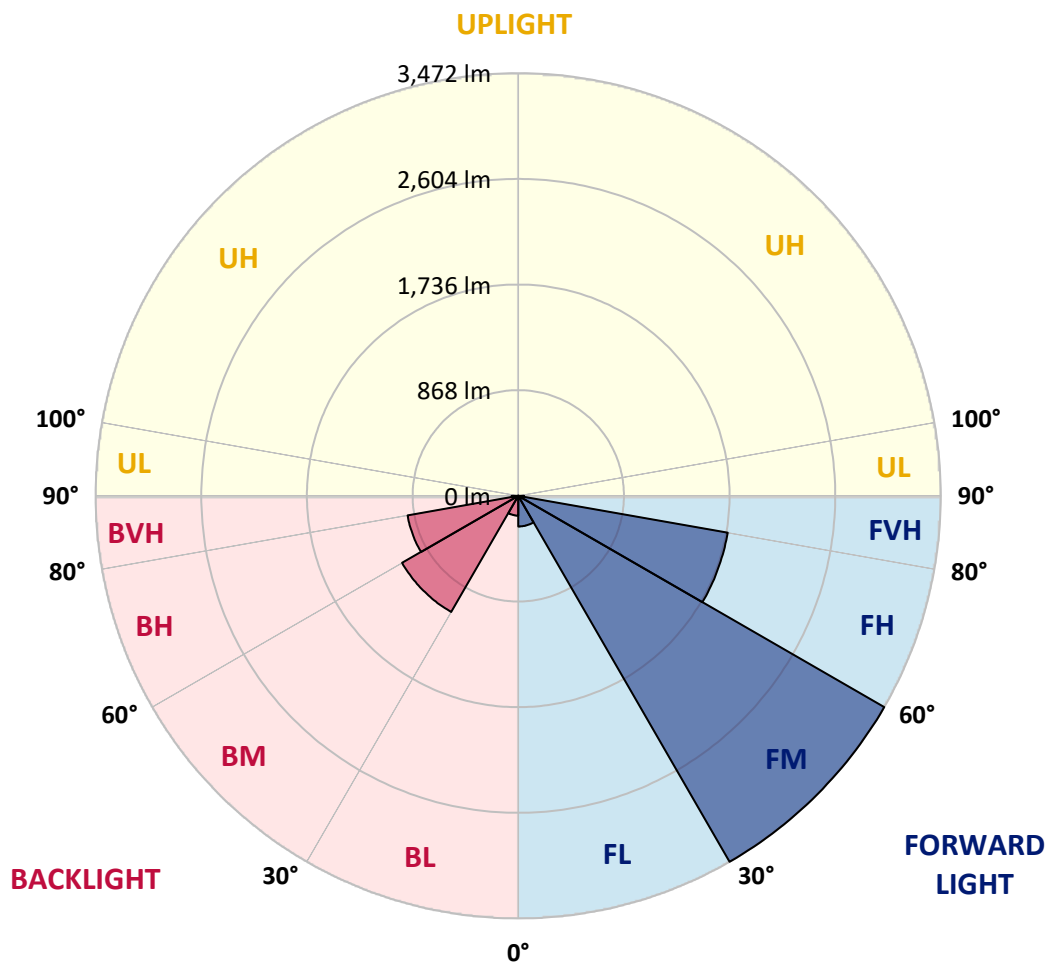


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.0	3.2			
FM (30°-60°)	3472.1	44.7			
FH (60°-80°)	1747.9	22.5			G1/1800
FVH (80°-90°)	48.4	0.6			G1/100
BL (0°-30°)	163.0	2.1	B1/500		
BM (30°-60°)	1102.0	14.2	B2/2500		
BH (60°-80°)	923.3	11.9	B2/1000		G2/1000
BVH (80°-90°)	54.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0
5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0
7.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0
10°	18.1	18.1	15.5	10.3	5.2	2.6	2.6	5.2	5.2	5.2	7.8
12.5°	232.6	235.2	227.5	157.7	31.0	10.3	10.3	31.0	80.1	108.6	121.5
15°	266.2	266.2	261.1	255.9	245.5	54.3	98.2	149.9	157.7	224.9	250.7
17.5°	364.4	346.3	307.6	289.5	279.1	297.2	219.7	279.1	286.9	292.1	310.2
20°	692.7	679.8	656.5	545.4	385.1	423.9	403.2	359.3	431.6	449.7	457.5
22.5°	827.1	814.2	790.9	739.2	677.2	491.1	545.4	498.8	602.2	628.1	622.9
25°	1400.9	1393.2	1186.4	884.0	881.4	770.2	718.5	674.6	703.0	790.9	832.3
27.5°	1618.0	1615.4	1550.8	1398.3	1026.1	946.0	860.7	917.6	896.9	1005.4	1039.0
30°	2313.3	2176.3	1933.4	1605.1	1442.3	1152.8	1165.7	1199.3	1114.0	1181.2	1266.5
32.5°	2850.9	2827.7	2677.7	2140.1	1662.0	1421.6	1421.6	1434.5	1375.1	1426.8	1522.4
35°	3339.4	3292.9	3060.3	2545.9	2109.1	1726.6	1649.0	1721.4	1705.9	1705.9	1649.0
37.5°	3649.6	3639.3	3458.3	2931.0	2440.0	1979.9	1917.8	1956.6	1959.2	1967.0	1798.9
40°	3944.2	3918.4	3807.3	3280.0	2866.4	2300.4	2178.9	2240.9	2186.7	2222.8	1990.2
42.5°	4096.7	4063.1	3998.5	3641.8	3336.8	2889.7	2535.6	2496.8	2442.5	2483.9	2220.3
45°	4114.8	4039.9	4058.0	3861.5	3722.0	3401.5	2892.3	2765.6	2744.9	2770.8	2486.5
47.5°	3861.5	3786.6	3913.2	3861.5	3944.2	3771.1	3367.9	3127.5	3083.5	3099.1	2763.0
50°	3277.4	3269.6	3448.0	3631.5	3977.8	4027.0	3957.2	3520.4	3497.1	3486.8	3078.4
52.5°	2706.2	2672.6	2830.2	3106.8	3685.8	4016.6	4437.9	4021.8	4032.1	3913.2	3393.7
55°	2062.6	2101.4	2259.0	2481.3	3052.5	3807.3	4812.7	4675.7	4590.4	4324.2	3706.5
57.5°	1258.7	1382.8	1636.1	1863.6	2440.0	3272.2	4854.1	5246.9	5109.9	4740.3	4027.0
60°	734.1	736.6	935.7	1323.4	1760.2	2344.3	4580.1	5743.2	5668.2	5179.7	4352.6
62.5°	514.4	524.7	581.6	912.4	1101.1	1457.8	3884.8	5957.7	6136.1	5502.8	4678.3
65°	416.1	416.1	447.2	597.1	775.4	775.4	2796.6	5655.3	6262.7	5681.2	4848.9
67.5°	390.3	390.3	405.8	436.8	599.6	511.8	1364.7	4890.2	5825.9	5585.5	4872.2
70°	346.3	346.3	377.4	390.3	467.8	392.9	586.7	3675.4	4833.4	5089.3	4714.5
72.5°	292.1	297.2	323.1	369.6	367.0	310.2	398.0	2225.4	3424.7	4027.0	4332.0
75°	240.4	245.5	263.6	302.4	338.6	235.2	317.9	1098.5	2049.7	2690.7	3473.8
77.5°	188.7	186.1	211.9	245.5	276.6	180.9	232.6	478.2	1021.0	1522.4	2078.1
80°	126.7	126.7	152.5	186.1	191.3	170.6	160.3	299.8	426.5	625.5	827.1
82.5°	80.1	82.7	98.2	116.3	131.8	144.7	116.3	183.5	222.3	253.3	237.8
85°	18.1	15.5	25.8	33.6	49.1	51.7	56.9	62.0	77.5	82.7	72.4
87.5°	0.0	0.0	2.6	2.6	2.6	5.2	5.2	10.3	10.3	12.9	12.9
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0
7.5°	0.0	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
10°	7.8	7.8	5.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	126.7	124.1	116.3	36.2	10.3	2.6	0.0	2.6	5.2	7.8	10.3
15°	253.3	250.7	237.8	160.3	134.4	18.1	7.8	36.2	165.4	230.0	237.8
17.5°	310.2	312.7	299.8	294.7	214.5	137.0	144.7	271.4	284.3	289.5	289.5
20°	457.5	454.9	447.2	400.6	299.8	268.8	346.3	297.2	307.6	317.9	323.1
22.5°	620.3	615.2	604.8	483.3	421.3	429.1	377.4	400.6	537.6	545.4	548.0
25°	814.2	796.1	739.2	630.7	607.4	522.1	555.7	516.9	527.3	529.9	527.3
27.5°	1010.6	989.9	858.1	793.5	723.7	548.0	571.2	527.3	591.9	659.1	659.1
30°	1217.4	1178.6	1026.1	966.7	819.3	659.1	558.3	584.1	597.1	594.5	594.5
32.5°	1447.4	1375.1	1176.0	1178.6	876.2	656.5	576.4	532.4	560.9	659.1	661.7
35°	1568.9	1475.9	1362.1	1315.6	946.0	604.8	511.8	553.1	602.2	607.4	604.8
37.5°	1690.4	1568.9	1439.7	1429.3	909.8	550.5	501.4	524.7	545.4	537.6	537.6
40°	1853.2	1711.1	1587.0	1434.5	850.4	498.8	480.8	493.7	496.3	488.5	488.5
42.5°	2057.4	1892.0	1765.3	1390.6	741.8	465.2	460.1	467.8	473.0	462.7	460.1
45°	2297.8	2103.9	1943.7	1338.9	604.8	447.2	449.7	449.7	457.5	447.2	444.6
47.5°	2571.8	2370.2	2070.3	1271.7	511.8	431.6	442.0	436.8	442.0	429.1	426.5
50°	2879.4	2651.9	2246.1	1178.6	462.7	411.0	436.8	421.3	426.5	418.7	418.7
52.5°	3166.3	2969.8	2416.7	1064.9	423.9	395.5	418.7	418.7	423.9	416.1	413.6
55°	3481.6	3316.2	2618.3	951.2	385.1	382.5	416.1	421.3	418.7	411.0	411.0
57.5°	3807.3	3724.5	2819.9	884.0	351.5	359.3	413.6	423.9	416.1	408.4	405.8
60°	4187.2	4236.3	3018.9	829.7	320.5	336.0	405.8	413.6	408.4	400.6	400.6
62.5°	4587.8	4755.8	3174.0	692.7	299.8	315.3	390.3	400.6	392.9	390.3	390.3
65°	4890.2	5047.9	3207.6	504.0	279.1	294.7	374.8	382.5	380.0	377.4	377.4
67.5°	5016.9	5060.8	3049.9	359.3	258.5	276.6	356.7	367.0	359.3	364.4	361.9
70°	4949.7	4724.8	2615.7	297.2	237.8	253.3	333.4	341.2	336.0	348.9	343.8
72.5°	4412.1	3952.0	1951.4	250.7	219.7	230.0	307.6	312.7	310.2	315.3	305.0
75°	3347.2	2807.0	1220.0	222.3	199.0	204.2	274.0	284.3	276.6	274.0	263.6
77.5°	1930.8	1693.0	610.0	201.6	178.3	175.8	240.4	248.1	243.0	227.5	232.6
80°	716.0	591.9	274.0	175.8	155.1	147.3	199.0	206.8	201.6	186.1	186.1
82.5°	206.8	191.3	168.0	144.7	134.4	116.3	160.3	168.0	165.4	157.7	147.3
85°	64.6	67.2	85.3	93.0	98.2	82.7	121.5	121.5	111.1	100.8	82.7
87.5°	7.8	12.9	15.5	25.8	31.0	23.3	31.0	33.6	31.0	20.7	20.7
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)