

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: P416055

Luminaire Tested: **LXF.LXT-PA1-60-760-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416055
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-PA1-60-760-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA 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: 5633 lumens
Efficiency: N/A
Efficacy: 88.0 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

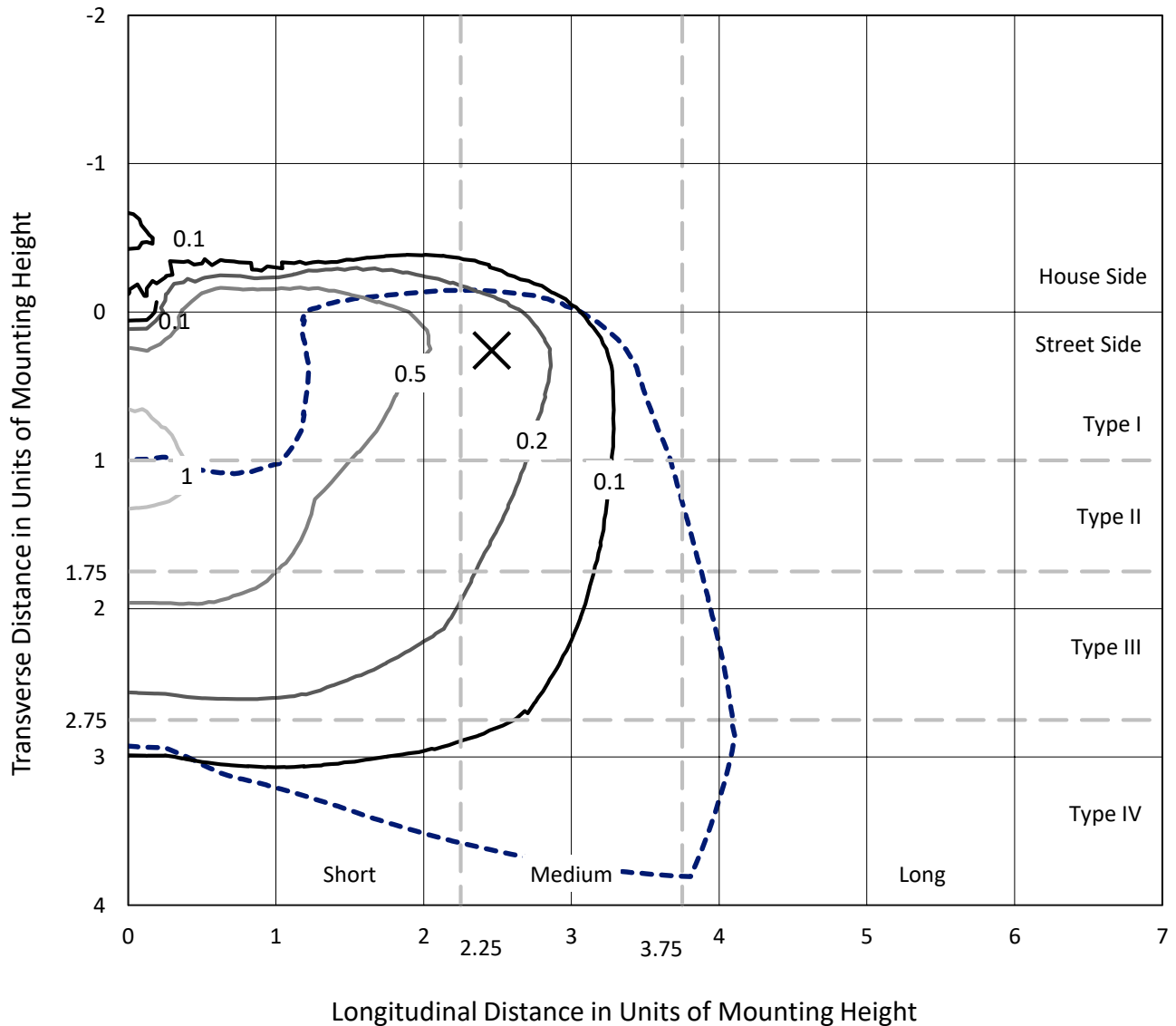
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

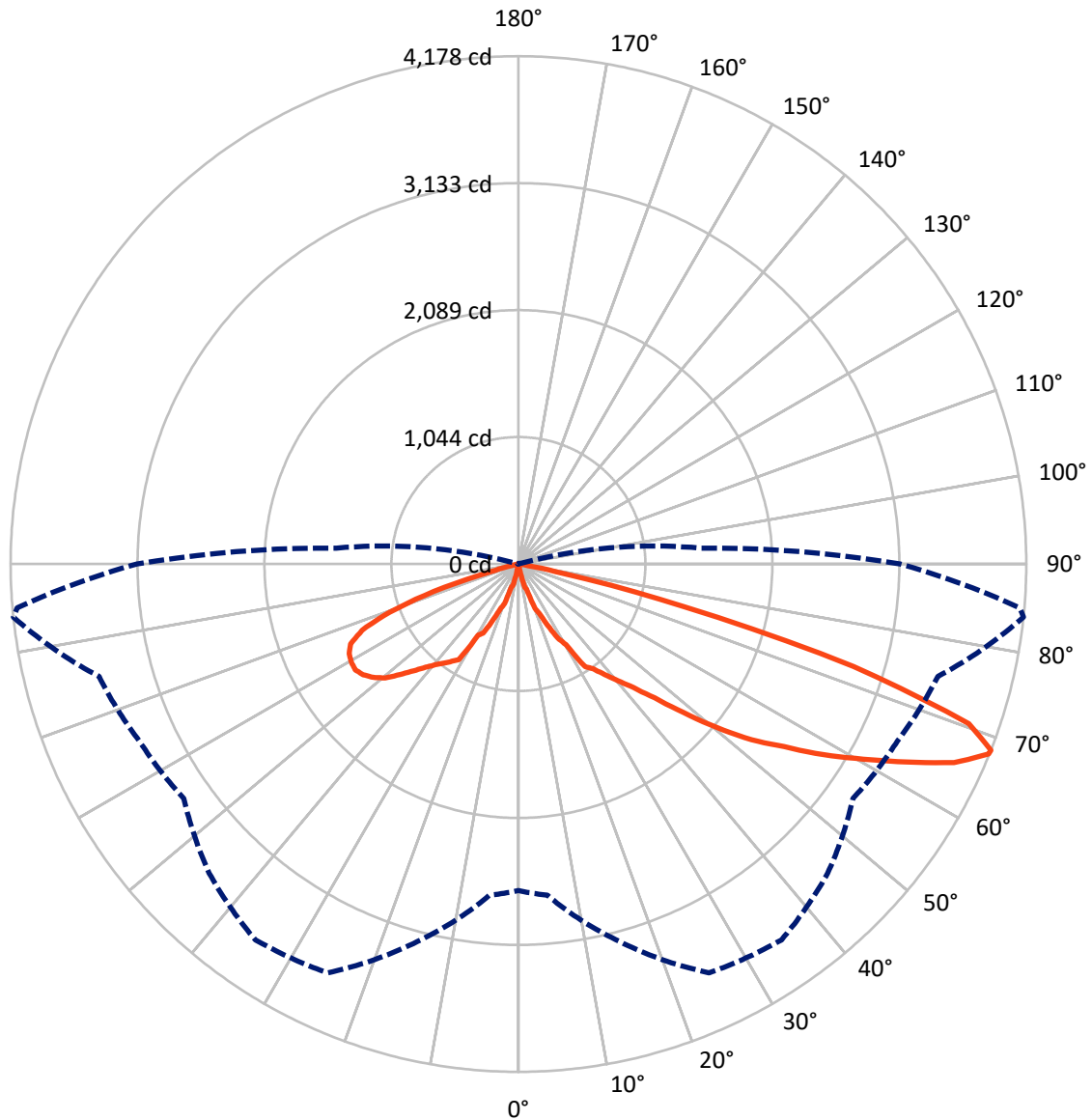
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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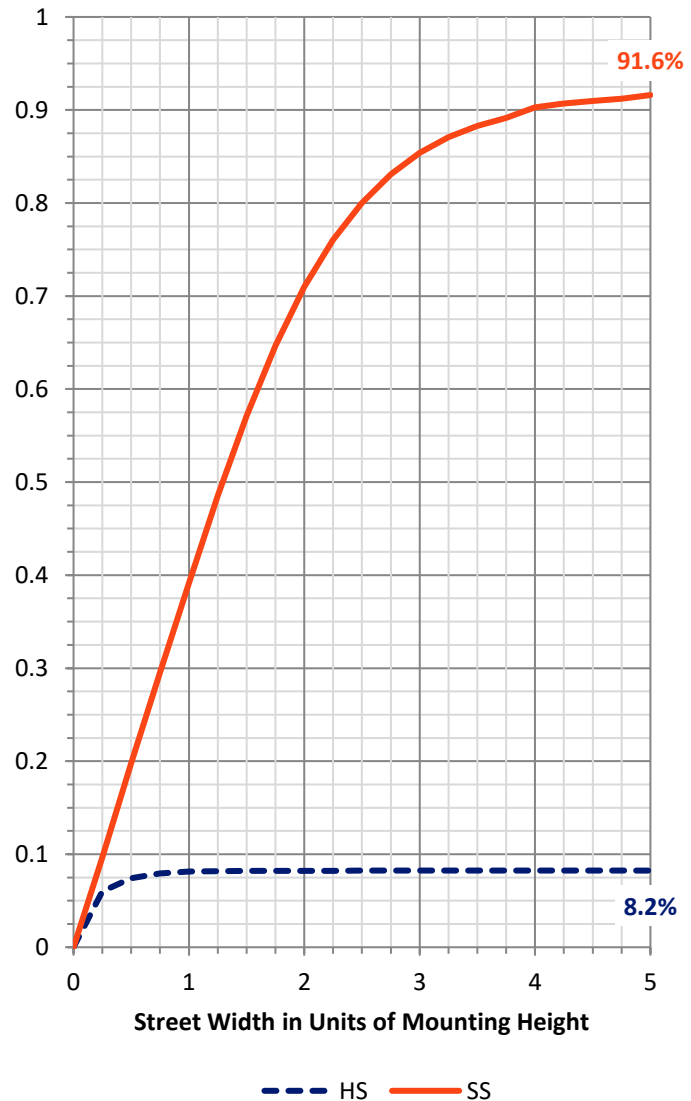
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.1	0.0	468.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5164.9	0.0	5164.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	5633.0	0.0	5633.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	51.0	0.9
20°-30°	182.6	3.2
30°-40°	390.0	6.9
40°-50°	697.0	12.4
50°-60°	1236.7	22.0
60°-70°	1777.2	31.6
70°-80°	1196.4	21.2
80°-90°	98.3	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°	5633.0	100.0
0°-180°	5633.0	100.0



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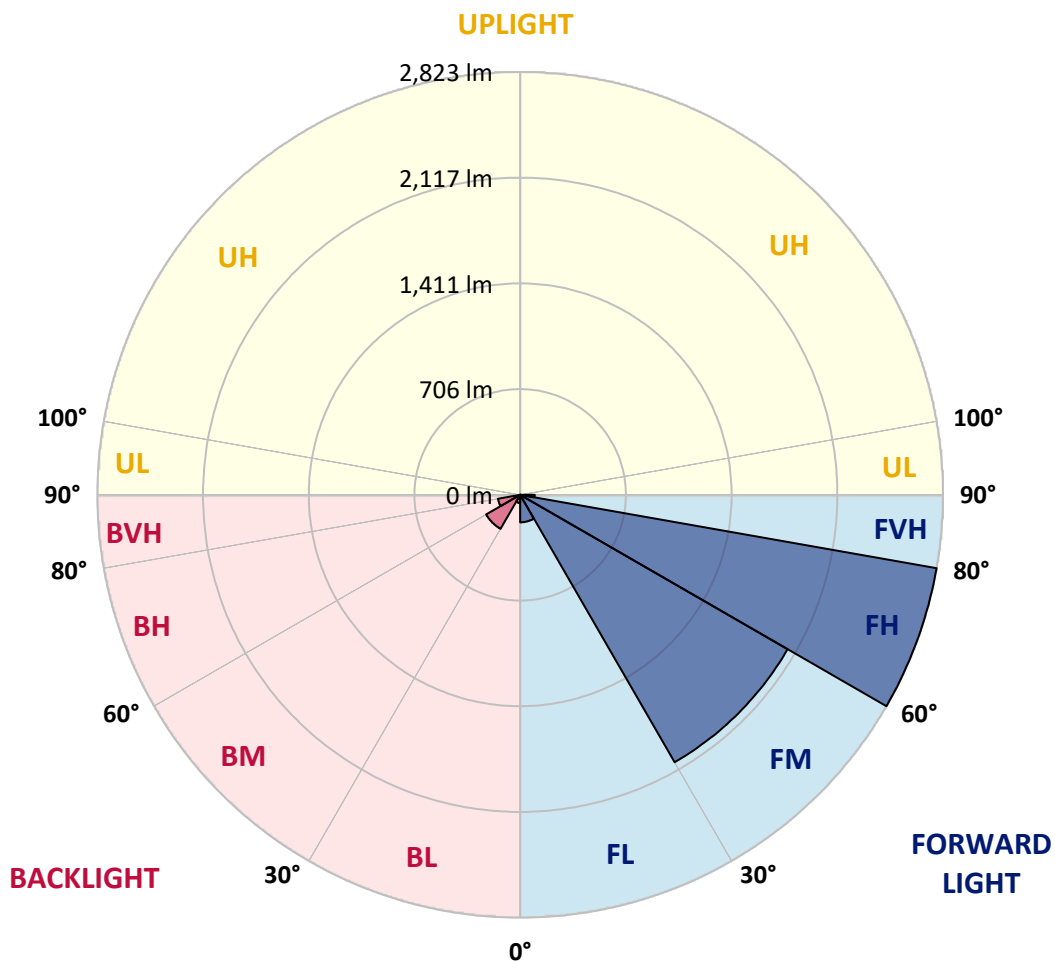
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.6	3.3			
FM	(30°-60°)	2061.5	36.6			
FH	(60°-80°)	2823.0	50.1			G2/5000
FVH	(80°-90°)	96.8	1.7			G1/100
BL	(0°-30°)	53.7	1.0	B0/110		
BM	(30°-60°)	262.3	4.7	B1/1000		
BH	(60°-80°)	150.7	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





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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	1.6	1.6	2.4	2.4	2.4	2.4
5°	43.2	36.7	35.9	31.8	22.8	5.7	1.6	2.4	2.4	2.4	2.4
7.5°	155.0	152.6	150.9	147.7	144.4	111.0	22.0	2.4	2.4	2.4	2.4
10°	166.4	163.2	160.7	156.6	151.7	146.0	139.5	17.9	2.4	2.4	2.4
12.5°	344.3	340.2	235.8	195.0	160.7	152.6	147.7	76.7	71.0	80.8	92.2
15°	362.2	359.0	350.0	338.6	304.3	172.1	231.7	288.0	187.6	199.9	199.9
17.5°	403.8	397.3	366.3	349.2	335.3	368.8	338.6	308.4	202.3	214.6	214.6
20°	565.4	563.7	554.8	387.5	352.4	466.7	368.8	328.8	373.7	390.0	371.2
22.5°	570.3	568.6	562.1	540.1	554.0	479.7	529.5	496.8	509.9	445.5	442.2
25°	756.3	749.8	600.5	549.9	624.9	511.5	629.8	548.2	538.5	556.4	556.4
27.5°	770.2	768.5	763.6	731.8	641.3	724.5	648.6	709.8	723.7	687.8	706.5
30°	877.0	823.2	794.6	775.9	755.5	760.4	757.1	816.7	753.8	768.5	760.4
32.5°	1020.6	1015.7	1001.0	827.3	839.5	793.8	882.7	873.8	974.9	1006.8	1001.9
35°	1220.5	1142.2	1046.7	957.0	871.3	943.1	912.1	1016.5	1041.8	1056.5	1086.7
37.5°	1395.9	1370.6	1281.7	1014.9	965.1	970.9	1043.5	1089.2	1126.7	1152.8	1165.8
40°	1556.6	1537.9	1478.3	1186.2	1015.7	1054.1	1113.6	1138.9	1213.2	1261.3	1262.1
42.5°	1794.9	1806.3	1750.8	1341.2	1152.8	1170.7	1221.3	1225.4	1291.5	1387.8	1391.0
45°	2092.6	2077.1	2063.3	1566.4	1283.3	1271.9	1342.1	1332.3	1434.3	1569.7	1586.0
47.5°	2379.8	2357.8	2320.3	1825.9	1464.4	1385.3	1483.2	1491.4	1650.5	1823.4	1829.9
50°	2601.7	2593.6	2556.0	2127.7	1705.1	1541.9	1639.8	1736.1	1905.0	2113.0	2126.9
52.5°	2846.5	2827.7	2761.6	2410.8	2014.3	1777.7	1827.5	1996.4	2173.4	2401.8	2400.2
55°	3009.6	3012.1	2949.3	2699.6	2295.0	2044.5	2064.1	2323.5	2418.2	2651.5	2668.6
57.5°	3226.7	3208.7	3225.8	3039.0	2675.2	2315.4	2361.1	2585.4	2670.3	2958.3	2969.7
60°	3388.2	3394.7	3479.6	3352.3	2969.7	2591.1	2630.3	2799.2	2921.5	3258.5	3294.4
62.5°	3393.9	3429.0	3657.4	3666.4	3288.7	2889.7	2864.4	3017.8	3125.5	3584.8	3628.1
65°	3083.1	3104.3	3619.1	3749.6	3584.8	3182.6	3087.2	3202.2	3327.0	3938.1	3946.2
67.5°	2771.4	2777.9	3274.8	3725.1	3762.7	3534.2	3324.6	3403.7	3524.4	4170.6	4142.0
68°	2686.6	2735.5	3215.2	3711.3	3774.1	3597.9	3360.5	3442.0	3572.6	4177.9	4138.0
70°	2435.3	2487.5	2928.9	3556.3	3768.4	3837.7	3557.1	3568.5	3602.8	3931.6	3803.5
72.5°	1637.4	1672.5	2317.8	3026.8	3646.0	4116.7	3776.5	3493.4	3232.4	2882.4	2769.0
75°	629.8	633.9	1168.3	2080.4	3152.4	3977.2	3544.8	2945.2	2195.4	1403.3	1317.6
77.5°	235.0	230.9	338.6	964.3	2001.3	3090.4	2646.6	1805.5	914.6	367.9	359.8
80°	83.2	85.7	131.4	290.4	813.4	1805.5	1473.4	735.1	269.2	81.6	75.1
82.5°	32.6	35.1	66.9	137.9	349.2	757.9	629.0	312.5	157.5	31.0	29.4
85°	7.3	8.2	26.1	68.5	133.0	219.5	221.1	190.9	130.5	14.7	13.9
87.5°	0.8	1.6	7.3	9.0	10.6	5.7	18.8	19.6	35.9	5.7	5.7
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	1.6	0.8	0.8	0.0	71.8	74.2	76.7	77.5
10°	2.4	2.4	2.4	1.6	1.6	75.1	88.1	84.8	79.1	76.7	77.5
12.5°	88.9	86.5	27.7	5.7	68.5	82.4	67.7	56.3	50.6	46.5	46.5
15°	194.2	186.8	155.8	119.1	111.8	63.6	43.2	36.7	53.8	65.3	65.3
17.5°	206.4	197.4	174.6	173.0	113.4	55.5	44.9	57.9	61.2	64.5	64.5
20°	399.8	358.2	246.4	165.6	83.2	67.7	56.3	55.5	57.9	62.0	62.8
22.5°	428.3	407.9	310.0	200.7	75.9	73.4	65.3	62.0	83.2	90.6	90.6
25°	544.2	524.6	333.7	159.9	92.2	75.1	82.4	77.5	79.1	85.7	85.7
27.5°	695.9	660.0	438.1	134.6	85.7	81.6	84.0	77.5	91.4	108.5	108.5
30°	771.0	699.2	419.3	119.1	87.3	88.9	80.8	94.6	94.6	101.2	102.0
32.5°	1028.8	979.0	472.4	100.3	87.3	81.6	88.1	89.7	88.1	114.2	115.0
35°	1094.9	1035.3	404.7	104.4	83.2	79.1	79.1	88.9	94.6	100.3	101.2
37.5°	1175.6	1098.1	318.2	97.9	86.5	76.7	72.6	75.9	83.2	97.9	98.7
40°	1278.4	1166.7	244.8	92.2	80.8	70.2	66.1	69.3	69.3	73.4	74.2
42.5°	1417.1	1248.2	181.1	88.1	75.9	64.5	57.9	53.8	51.4	50.6	51.4
45°	1607.2	1352.7	135.4	84.0	72.6	57.1	48.1	39.2	32.6	32.6	33.4
47.5°	1833.2	1469.3	110.1	77.5	67.7	49.0	36.7	25.3	20.4	21.2	22.0
50°	2073.9	1592.5	96.3	71.8	62.0	40.0	24.5	15.5	13.1	13.9	14.7
52.5°	2296.6	1672.5	90.6	66.1	54.7	31.0	15.5	10.6	9.8	9.8	10.6
55°	2520.1	1732.9	85.7	60.4	44.1	20.4	9.0	8.2	8.2	7.3	7.3
57.5°	2728.2	1768.8	77.5	52.2	31.0	12.2	6.5	6.5	5.7	5.7	5.7
60°	2919.1	1764.7	62.0	39.2	19.6	7.3	4.9	4.9	4.1	4.1	4.1
62.5°	3114.1	1746.7	44.1	27.7	13.1	4.9	3.3	3.3	2.4	1.6	2.4
65°	3231.6	1696.1	29.4	19.6	8.2	3.3	2.4	1.6	0.8	0.0	0.8
67.5°	3182.6	1549.3	22.0	14.7	5.7	2.4	1.6	0.8	0.0	0.0	0.0
68°	3137.7	1502.8	20.4	13.9	4.9	2.4	1.6	0.8	0.0	0.0	0.0
70°	2784.5	1252.3	17.9	11.4	4.1	2.4	1.6	0.8	0.0	0.0	0.0
72.5°	1857.7	813.4	14.7	9.0	3.3	1.6	1.6	0.8	0.0	0.0	0.0
75°	856.6	261.1	11.4	7.3	2.4	1.6	1.6	0.8	0.0	0.0	0.0
77.5°	228.4	55.5	7.3	4.9	2.4	1.6	1.6	0.8	0.8	0.8	0.0
80°	54.7	17.1	4.9	4.1	2.4	1.6	1.6	0.8	0.8	0.8	0.0
82.5°	20.4	9.0	3.3	3.3	2.4	1.6	1.6	0.8	1.6	1.6	0.0
85°	9.0	5.7	3.3	3.3	2.4	1.6	1.6	1.6	1.6	2.4	0.0
87.5°	4.1	4.1	3.3	3.3	3.3	1.6	2.4	2.4	2.4	2.4	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)