

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: P415275

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415275
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-PA1-40-827-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA 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: 2779 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 40
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

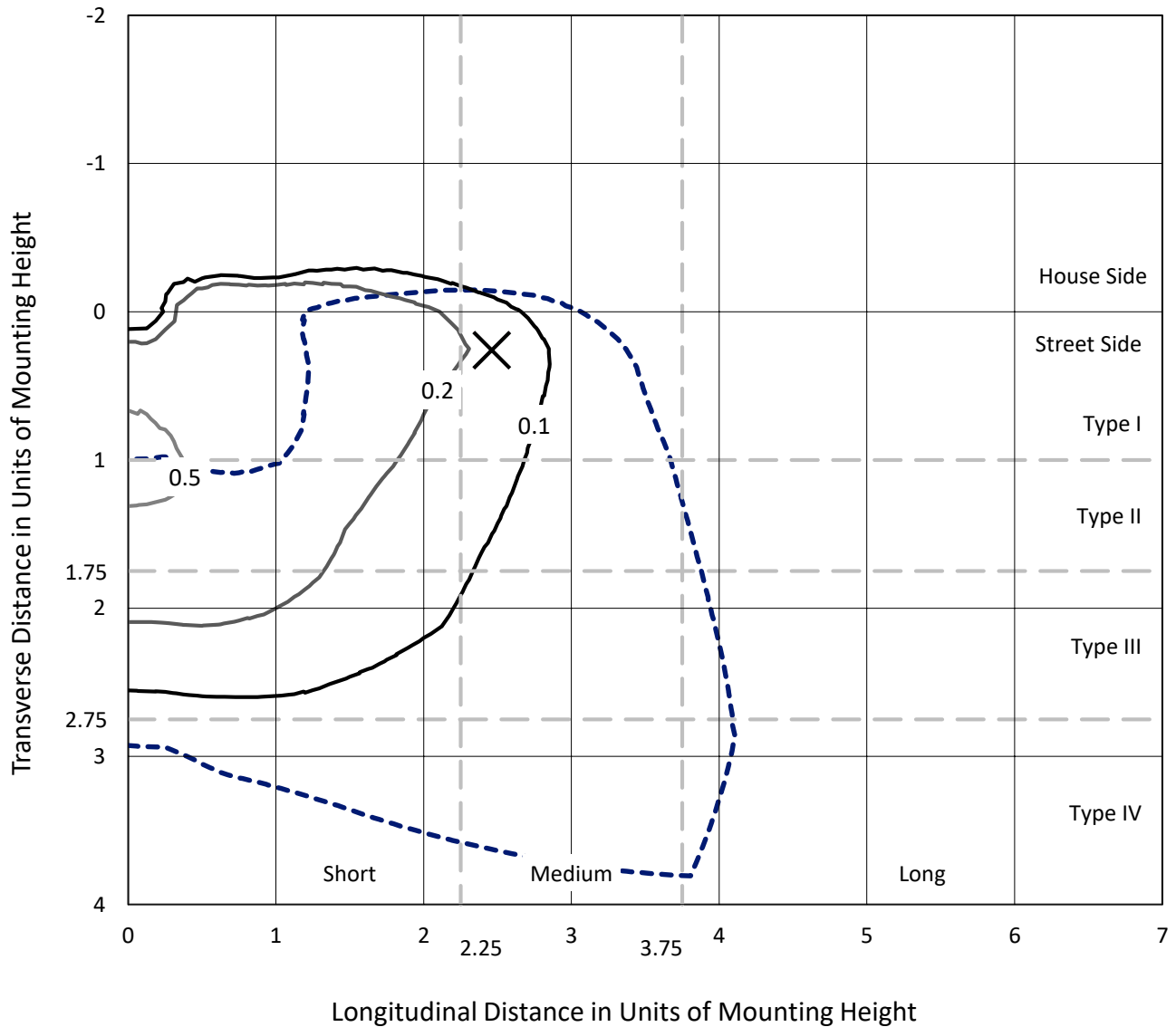


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Iso-Footcandle Lines of Horizontal Illumination

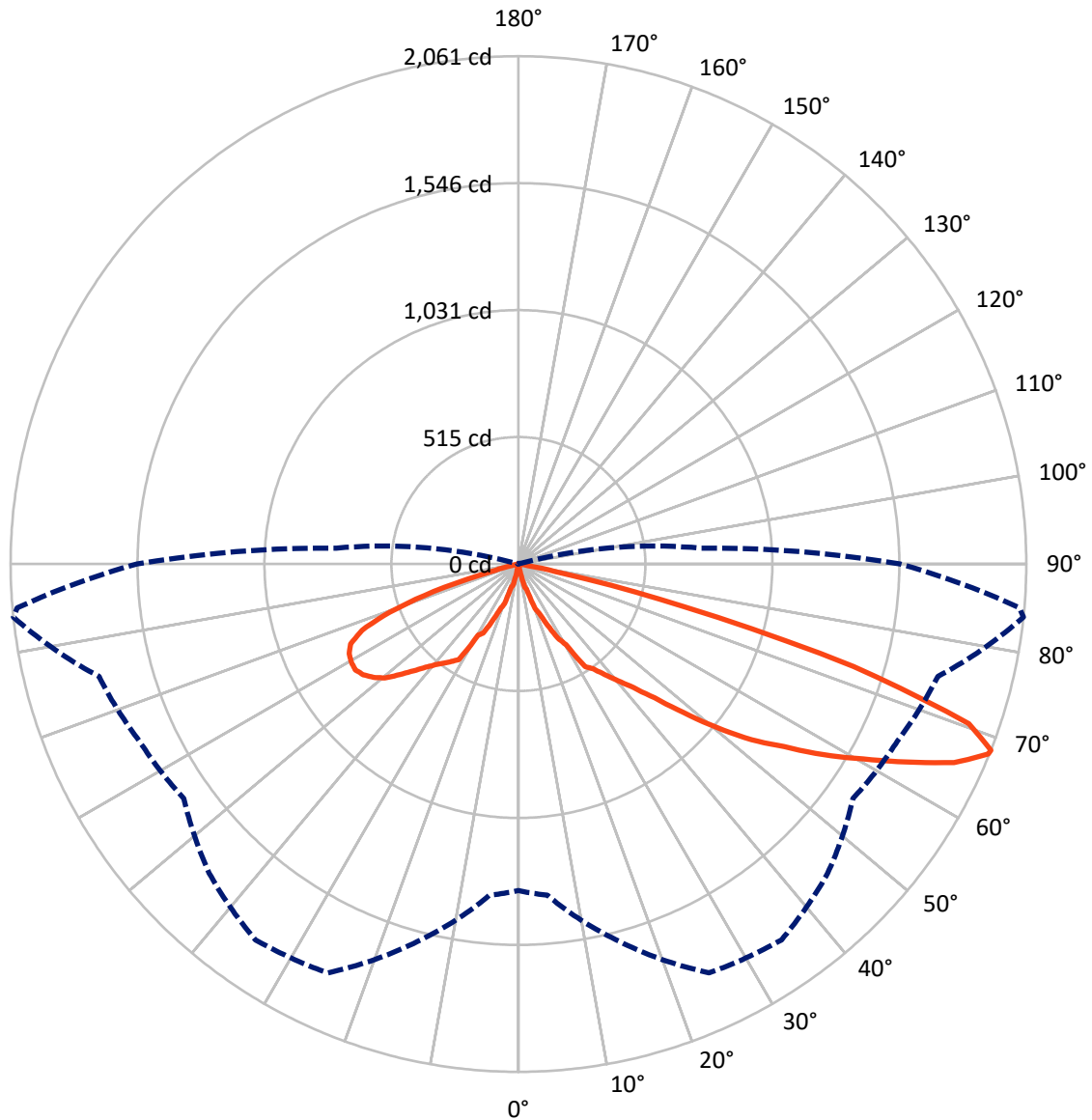
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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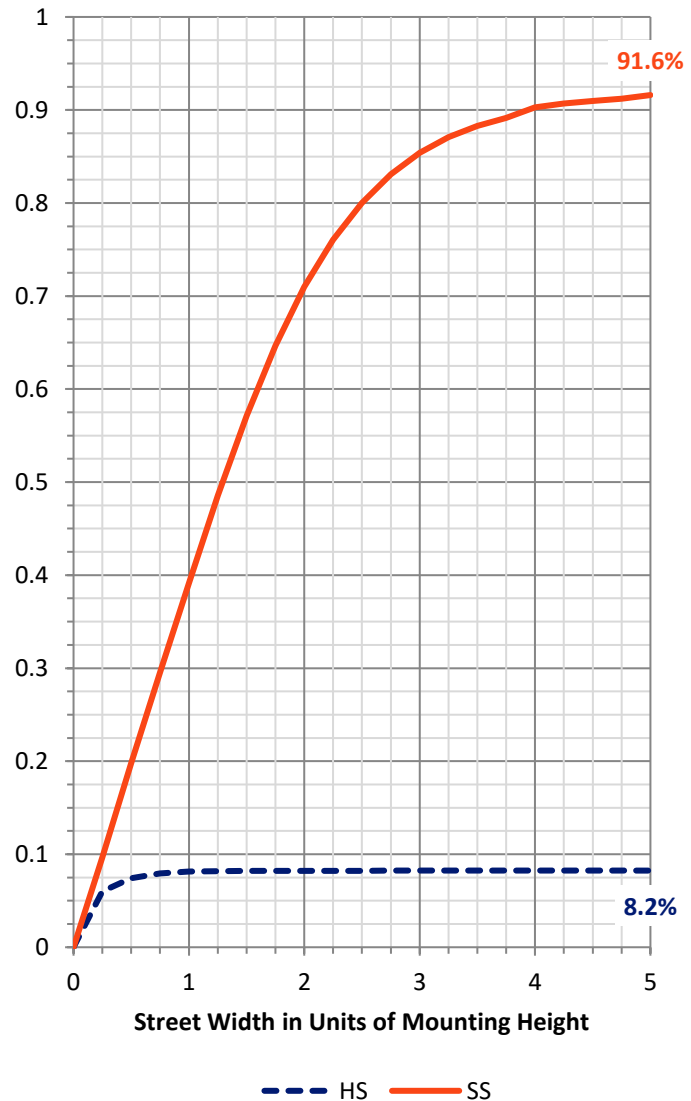
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	230.9	0.0	230.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	2548.1	0.0	2548.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	2779.0	0.0	2779.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	25.1	0.9
20°-30°	90.1	3.2
30°-40°	192.4	6.9
40°-50°	343.9	12.4
50°-60°	610.1	22.0
60°-70°	876.8	31.6
70°-80°	590.2	21.2
80°-90°	48.5	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°	2779.0	100.0
0°-180°	2779.0	100.0



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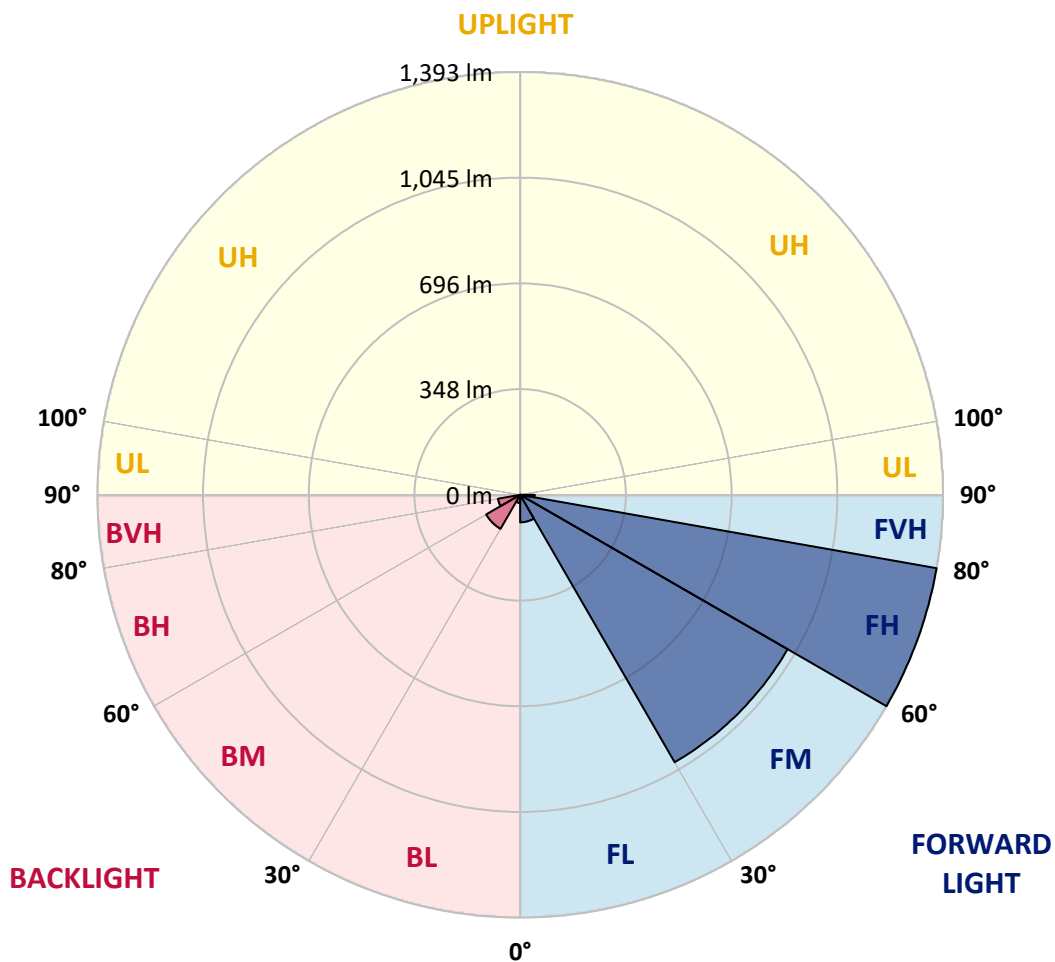
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.6	3.3			
FM	(30°-60°)	1017.0	36.6			
FH	(60°-80°)	1392.7	50.1			G1/1800
FVH	(80°-90°)	47.8	1.7			G1/100
BL	(0°-30°)	26.5	1.0	B0/110		
BM	(30°-60°)	129.4	4.7	B0/220		
BH	(60°-80°)	74.3	2.7	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.4	0.4	0.0	0.4	0.4	0.8	0.8	1.2	1.2	1.2	1.2
5°	21.3	18.1	17.7	15.7	11.3	2.8	0.8	1.2	1.2	1.2	1.2
7.5°	76.5	75.3	74.5	72.9	71.2	54.7	10.9	1.2	1.2	1.2	1.2
10°	82.1	80.5	79.3	77.3	74.9	72.0	68.8	8.9	1.2	1.2	1.2
12.5°	169.9	167.8	116.3	96.2	79.3	75.3	72.9	37.8	35.0	39.8	45.5
15°	178.7	177.1	172.7	167.0	150.1	84.9	114.3	142.1	92.6	98.6	98.6
17.5°	199.2	196.0	180.7	172.3	165.4	181.9	167.0	152.1	99.8	105.9	105.9
20°	278.9	278.1	273.7	191.2	173.9	230.2	181.9	162.2	184.3	192.4	183.1
22.5°	281.3	280.5	277.3	266.4	273.3	236.7	261.2	245.1	251.6	219.8	218.2
25°	373.1	369.9	296.2	271.3	308.3	252.4	310.7	270.5	265.6	274.5	274.5
27.5°	380.0	379.1	376.7	361.0	316.4	357.4	320.0	350.2	357.0	339.3	348.6
30°	432.7	406.1	392.0	382.8	372.7	375.1	373.5	402.9	371.9	379.1	375.1
32.5°	503.5	501.1	493.9	408.1	414.2	391.6	435.5	431.1	481.0	496.7	494.3
35°	602.1	563.5	516.4	472.1	429.9	465.3	450.0	501.5	514.0	521.2	536.1
37.5°	688.7	676.2	632.3	500.7	476.1	479.0	514.8	537.3	555.8	568.7	575.2
40°	768.0	758.7	729.3	585.2	501.1	520.0	549.4	561.9	598.5	622.3	622.7
42.5°	885.5	891.1	863.7	661.7	568.7	577.6	602.5	604.5	637.1	684.6	686.2
45°	1032.4	1024.7	1017.9	772.8	633.1	627.5	662.1	657.3	707.6	774.4	782.4
47.5°	1174.1	1163.2	1144.7	900.8	722.5	683.4	731.7	735.8	814.2	899.6	902.8
50°	1283.5	1279.5	1261.0	1049.7	841.2	760.7	809.0	856.5	939.8	1042.5	1049.3
52.5°	1404.3	1395.0	1362.4	1189.4	993.7	877.0	901.6	984.9	1072.2	1184.9	1184.1
55°	1484.8	1486.0	1455.0	1331.8	1132.2	1008.6	1018.3	1146.3	1193.0	1308.1	1316.5
57.5°	1591.9	1583.0	1591.4	1499.3	1319.8	1142.3	1164.8	1275.5	1317.4	1459.4	1465.1
60°	1671.5	1674.8	1716.6	1653.8	1465.1	1278.3	1297.6	1380.9	1441.3	1607.5	1625.3
62.5°	1674.4	1691.7	1804.4	1808.8	1622.4	1425.6	1413.1	1488.8	1541.9	1768.5	1789.9
65°	1521.0	1531.5	1785.4	1849.8	1768.5	1570.1	1523.0	1579.8	1641.4	1942.8	1946.8
67.5°	1367.3	1370.5	1615.6	1837.8	1856.3	1743.6	1640.2	1679.2	1738.8	2057.5	2043.4
68°	1325.4	1349.6	1586.2	1830.9	1861.9	1775.0	1657.9	1698.1	1762.5	2061.2	2041.4
70°	1201.4	1227.2	1444.9	1754.5	1859.1	1893.3	1754.9	1760.5	1777.4	1939.6	1876.4
72.5°	807.8	825.1	1143.5	1493.2	1798.7	2031.0	1863.1	1723.5	1594.7	1422.0	1366.1
75°	310.7	312.7	576.4	1026.4	1555.2	1962.1	1748.8	1453.0	1083.1	692.3	650.0
77.5°	115.9	113.9	167.0	475.7	987.3	1524.6	1305.7	890.7	451.2	181.5	177.5
80°	41.1	42.3	64.8	143.3	401.3	890.7	726.9	362.6	132.8	40.2	37.0
82.5°	16.1	17.3	33.0	68.0	172.3	373.9	310.3	154.2	77.7	15.3	14.5
85°	3.6	4.0	12.9	33.8	65.6	108.3	109.1	94.2	64.4	7.2	6.8
87.5°	0.4	0.8	3.6	4.4	5.2	2.8	9.3	9.7	17.7	2.8	2.8
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	0.8	0.4	0.4	0.0	35.4	36.6	37.8	38.2
10°	1.2	1.2	1.2	0.8	0.8	37.0	43.5	41.9	39.0	37.8	38.2
12.5°	43.9	42.7	13.7	2.8	33.8	40.7	33.4	27.8	25.0	22.9	22.9
15°	95.8	92.2	76.9	58.8	55.1	31.4	21.3	18.1	26.6	32.2	32.2
17.5°	101.8	97.4	86.1	85.3	55.9	27.4	22.1	28.6	30.2	31.8	31.8
20°	197.2	176.7	121.6	81.7	41.1	33.4	27.8	27.4	28.6	30.6	31.0
22.5°	211.3	201.2	152.9	99.0	37.4	36.2	32.2	30.6	41.1	44.7	44.7
25°	268.5	258.8	164.6	78.9	45.5	37.0	40.7	38.2	39.0	42.3	42.3
27.5°	343.3	325.6	216.1	66.4	42.3	40.2	41.5	38.2	45.1	53.5	53.5
30°	380.4	344.9	206.9	58.8	43.1	43.9	39.8	46.7	46.7	49.9	50.3
32.5°	507.5	483.0	233.0	49.5	43.1	40.2	43.5	44.3	43.5	56.3	56.8
35°	540.1	510.8	199.6	51.5	41.1	39.0	39.0	43.9	46.7	49.5	49.9
37.5°	580.0	541.8	157.0	48.3	42.7	37.8	35.8	37.4	41.1	48.3	48.7
40°	630.7	575.6	120.7	45.5	39.8	34.6	32.6	34.2	34.2	36.2	36.6
42.5°	699.1	615.8	89.4	43.5	37.4	31.8	28.6	26.6	25.4	25.0	25.4
45°	792.9	667.3	66.8	41.5	35.8	28.2	23.7	19.3	16.1	16.1	16.5
47.5°	904.4	724.9	54.3	38.2	33.4	24.1	18.1	12.5	10.1	10.5	10.9
50°	1023.1	785.7	47.5	35.4	30.6	19.7	12.1	7.6	6.4	6.8	7.2
52.5°	1133.0	825.1	44.7	32.6	27.0	15.3	7.6	5.2	4.8	4.8	5.2
55°	1243.3	854.9	42.3	29.8	21.7	10.1	4.4	4.0	4.0	3.6	3.6
57.5°	1345.9	872.6	38.2	25.8	15.3	6.0	3.2	3.2	2.8	2.8	2.8
60°	1440.1	870.6	30.6	19.3	9.7	3.6	2.4	2.4	2.0	2.0	2.0
62.5°	1536.3	861.7	21.7	13.7	6.4	2.4	1.6	1.6	1.2	0.8	1.2
65°	1594.3	836.8	14.5	9.7	4.0	1.6	1.2	0.8	0.4	0.0	0.4
67.5°	1570.1	764.3	10.9	7.2	2.8	1.2	0.8	0.4	0.0	0.0	0.0
68°	1548.0	741.4	10.1	6.8	2.4	1.2	0.8	0.4	0.0	0.0	0.0
70°	1373.7	617.8	8.9	5.6	2.0	1.2	0.8	0.4	0.0	0.0	0.0
72.5°	916.5	401.3	7.2	4.4	1.6	0.8	0.8	0.4	0.0	0.0	0.0
75°	422.6	128.8	5.6	3.6	1.2	0.8	0.8	0.4	0.0	0.0	0.0
77.5°	112.7	27.4	3.6	2.4	1.2	0.8	0.8	0.4	0.4	0.4	0.0
80°	27.0	8.5	2.4	2.0	1.2	0.8	0.8	0.4	0.4	0.4	0.0
82.5°	10.1	4.4	1.6	1.6	1.2	0.8	0.8	0.4	0.8	0.8	0.0
85°	4.4	2.8	1.6	1.6	1.2	0.8	0.8	0.8	0.8	1.2	0.0
87.5°	2.0	2.0	1.6	1.6	1.6	0.8	1.2	1.2	1.2	1.2	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)