

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: P694690

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694690
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-PA16-20-827-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2263 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

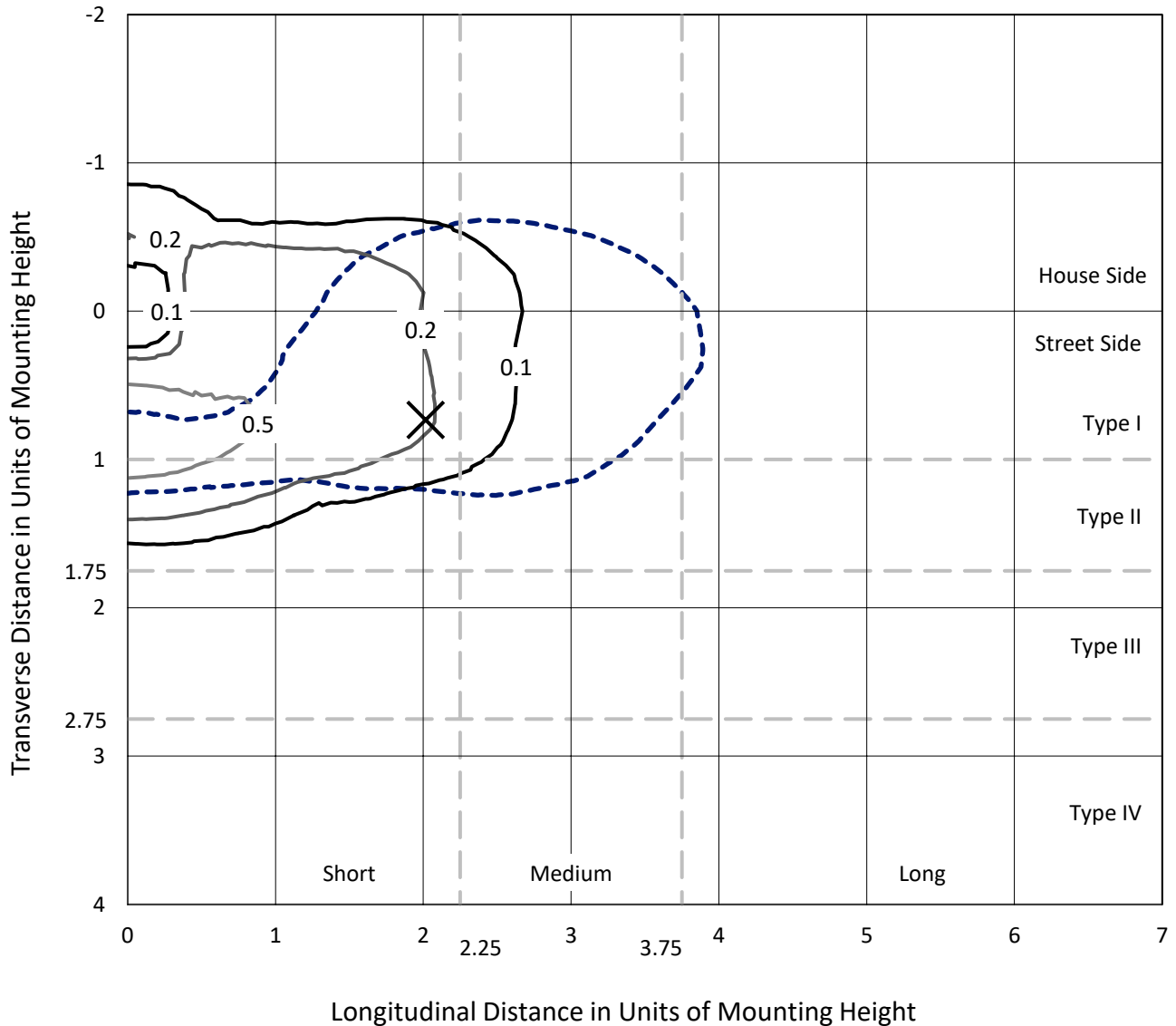
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

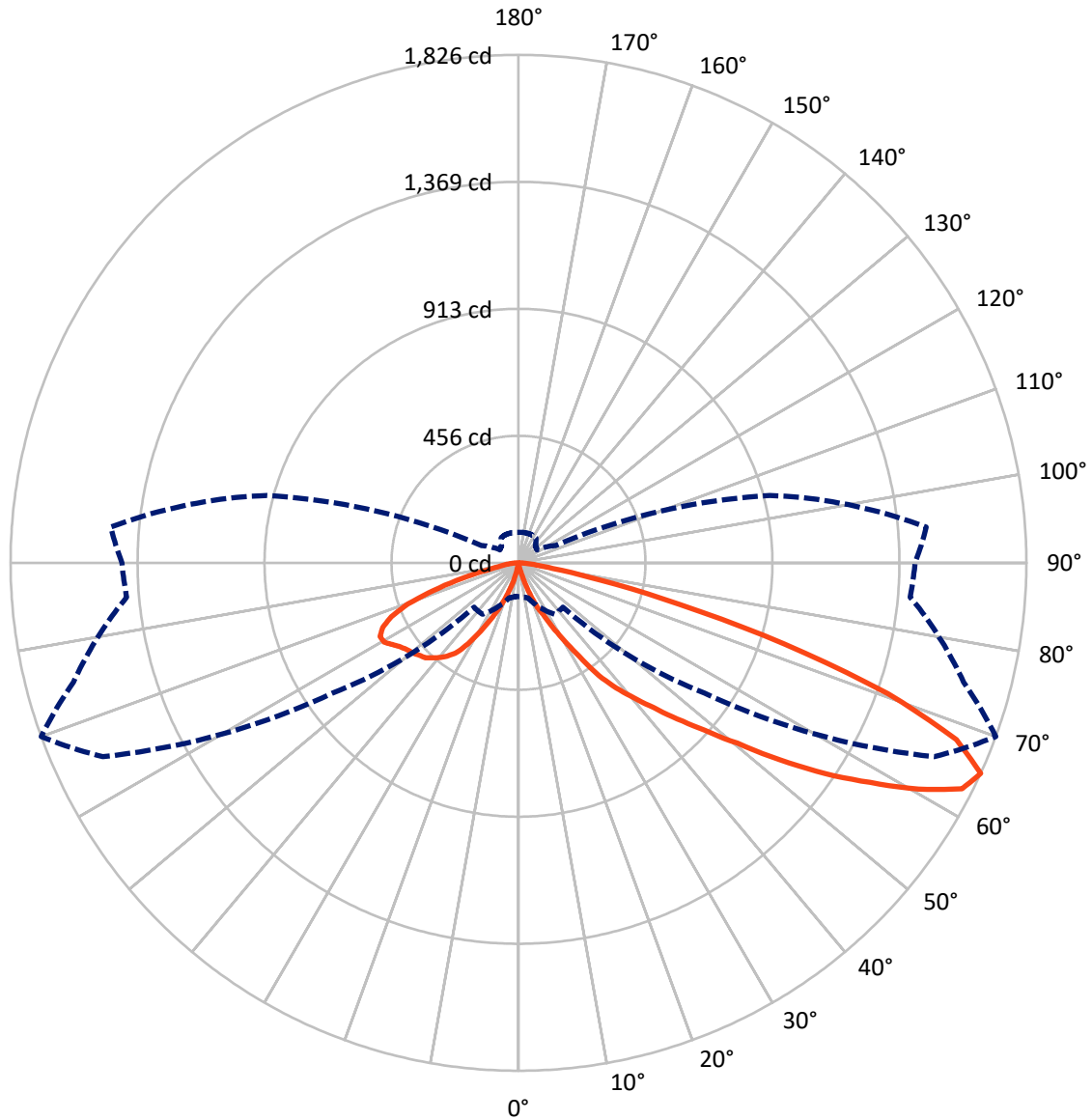
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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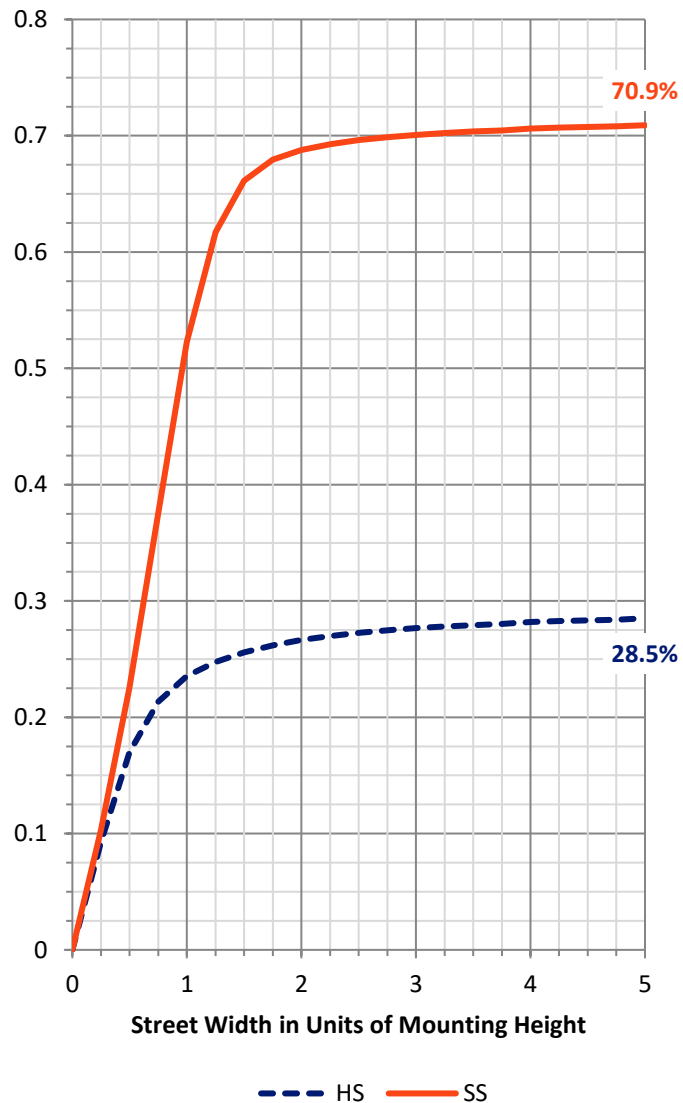
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	653.7	0.0	653.7
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	1609.3	0.0	1609.3
	% Fixture	71.1	0.0	71.1
Total	Lumens	2263.0	0.0	2263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	16.6	0.7
20°-30°	104.3	4.6
30°-40°	277.5	12.3
40°-50°	474.9	21.0
50°-60°	581.0	25.7
60°-70°	521.7	23.1
70°-80°	257.0	11.4
80°-90°	29.9	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°	2263.0	100.0
0°-180°	2263.0	100.0

Coefficient of Utilization



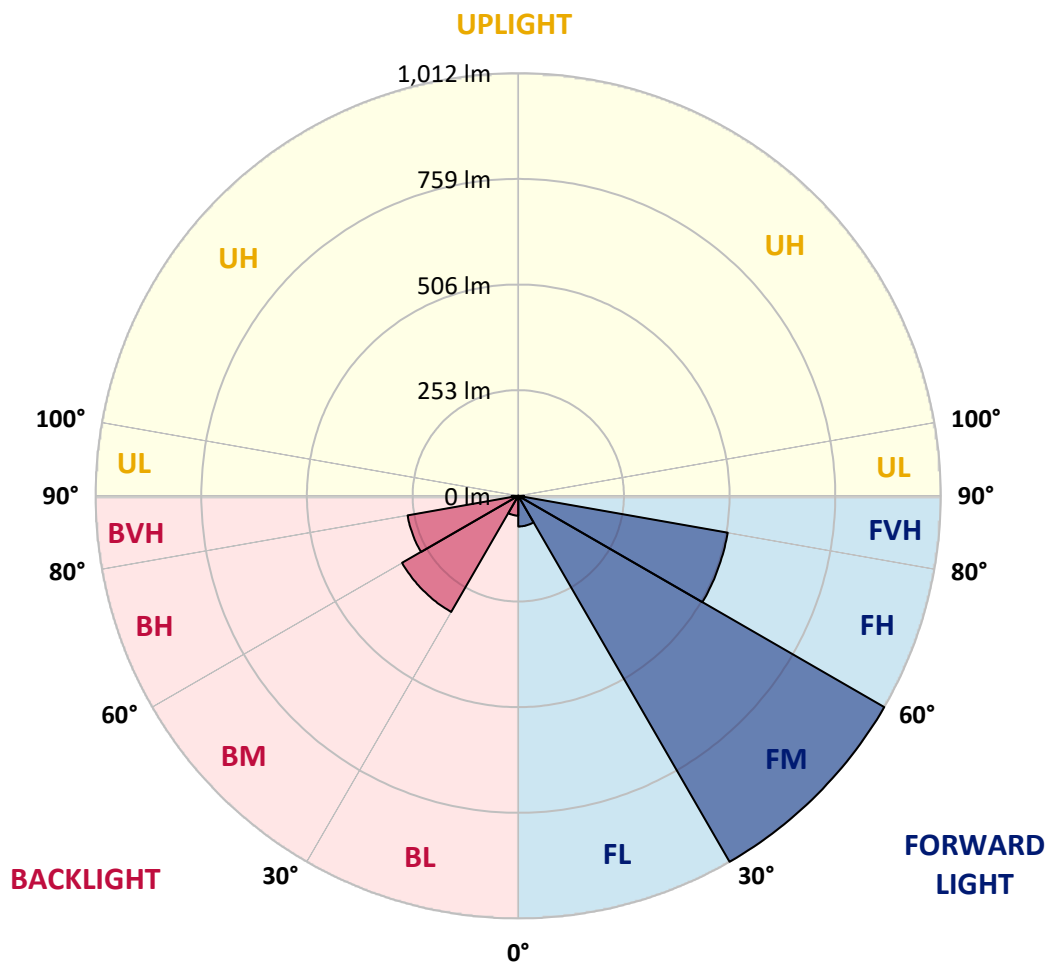
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	73.5	3.2			
FM (30°-60°)	1012.2	44.7			
FH (60°-80°)	509.5	22.5			G0/660
FVH (80°-90°)	14.1	0.6			G1/100
BL (0°-30°)	47.5	2.1	B0/110		
BM (30°-60°)	321.2	14.2	B1/1000		
BH (60°-80°)	269.2	11.9	B1/500		G1/500
BVH (80°-90°)	15.8	0.7			G1/100
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°	70°	75°	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°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
7.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
10°	5.3	5.3	4.5	3.0	1.5	0.8	0.8	1.5	1.5	1.5	2.3
12.5°	67.8	68.6	66.3	46.0	9.0	3.0	3.0	9.0	23.4	31.6	35.4
15°	77.6	77.6	76.1	74.6	71.6	15.8	28.6	43.7	46.0	65.6	73.1
17.5°	106.2	101.0	89.7	84.4	81.4	86.6	64.0	81.4	83.6	85.1	90.4
20°	201.9	198.2	191.4	159.0	112.3	123.6	117.5	104.7	125.8	131.1	133.4
22.5°	241.1	237.3	230.6	215.5	197.4	143.2	159.0	145.4	175.6	183.1	181.6
25°	408.4	406.1	345.8	257.7	256.9	224.5	209.5	196.7	204.9	230.6	242.6
27.5°	471.7	470.9	452.1	407.6	299.1	275.8	250.9	267.5	261.5	293.1	302.9
30°	674.4	634.4	563.6	467.9	420.4	336.0	339.8	349.6	324.7	344.3	369.2
32.5°	831.1	824.3	780.6	623.9	484.5	414.4	414.4	418.2	400.8	415.9	443.8
35°	973.5	959.9	892.1	742.2	614.8	503.3	480.7	501.8	497.3	497.3	480.7
37.5°	1063.9	1060.9	1008.1	854.4	711.3	577.2	559.1	570.4	571.1	573.4	524.4
40°	1149.8	1142.3	1109.9	956.1	835.6	670.6	635.2	653.3	637.4	648.0	580.2
42.5°	1194.2	1184.5	1165.6	1061.6	972.7	842.4	739.2	727.8	712.0	724.1	647.2
45°	1199.5	1177.7	1182.9	1125.7	1085.0	991.6	843.1	806.2	800.2	807.7	724.8
47.5°	1125.7	1103.8	1140.7	1125.7	1149.8	1099.3	981.8	911.7	898.9	903.4	805.5
50°	955.4	953.1	1005.1	1058.6	1159.6	1173.9	1153.6	1026.2	1019.4	1016.4	897.4
52.5°	788.9	779.1	825.0	905.7	1074.4	1170.9	1293.7	1172.4	1175.4	1140.7	989.3
55°	601.3	612.6	658.5	723.3	889.8	1109.9	1403.0	1363.0	1338.2	1260.6	1080.5
57.5°	366.9	403.1	476.9	543.2	711.3	953.9	1415.0	1529.5	1489.6	1381.9	1173.9
60°	214.0	214.7	272.8	385.8	513.1	683.4	1335.1	1674.2	1652.4	1509.9	1268.8
62.5°	149.9	153.0	169.5	266.0	321.0	425.0	1132.5	1736.7	1788.7	1604.1	1363.8
65°	121.3	121.3	130.3	174.1	226.0	226.0	815.3	1648.6	1825.7	1656.1	1413.5
67.5°	113.8	113.8	118.3	127.3	174.8	149.2	397.8	1425.6	1698.3	1628.2	1420.3
70°	101.0	101.0	110.0	113.8	136.4	114.5	171.0	1071.4	1409.0	1483.6	1374.3
72.5°	85.1	86.6	94.2	107.7	107.0	90.4	116.0	648.7	998.3	1173.9	1262.8
75°	70.1	71.6	76.9	88.2	98.7	68.6	92.7	320.2	597.5	784.4	1012.7
77.5°	55.0	54.2	61.8	71.6	80.6	52.7	67.8	139.4	297.6	443.8	605.8
80°	36.9	36.9	44.5	54.2	55.8	49.7	46.7	87.4	124.3	182.3	241.1
82.5°	23.4	24.1	28.6	33.9	38.4	42.2	33.9	53.5	64.8	73.8	69.3
85°	5.3	4.5	7.5	9.8	14.3	15.1	16.6	18.1	22.6	24.1	21.1
87.5°	0.0	0.0	0.8	0.8	0.8	1.5	1.5	3.0	3.0	3.8	3.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
7.5°	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.3	2.3	1.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	36.9	36.2	33.9	10.5	3.0	0.8	0.0	0.8	1.5	2.3	3.0
15°	73.8	73.1	69.3	46.7	39.2	5.3	2.3	10.5	48.2	67.1	69.3
17.5°	90.4	91.2	87.4	85.9	62.5	39.9	42.2	79.1	82.9	84.4	84.4
20°	133.4	132.6	130.3	116.8	87.4	78.4	101.0	86.6	89.7	92.7	94.2
22.5°	180.8	179.3	176.3	140.9	122.8	125.1	110.0	116.8	156.7	159.0	159.7
25°	237.3	232.1	215.5	183.8	177.1	152.2	162.0	150.7	153.7	154.5	153.7
27.5°	294.6	288.6	250.2	231.3	211.0	159.7	166.5	153.7	172.5	192.1	192.1
30°	354.9	343.6	299.1	281.8	238.8	192.1	162.7	170.3	174.1	173.3	173.3
32.5°	421.9	400.8	342.8	343.6	255.4	191.4	168.0	155.2	163.5	192.1	192.9
35°	457.4	430.2	397.1	383.5	275.8	176.3	149.2	161.2	175.6	177.1	176.3
37.5°	492.8	457.4	419.7	416.7	265.2	160.5	146.2	153.0	159.0	156.7	156.7
40°	540.2	498.8	462.6	418.2	247.9	145.4	140.1	143.9	144.7	142.4	142.4
42.5°	599.8	551.5	514.6	405.4	216.2	135.6	134.1	136.4	137.9	134.9	134.1
45°	669.8	613.3	566.6	390.3	176.3	130.3	131.1	131.1	133.4	130.3	129.6
47.5°	749.7	690.9	603.5	370.7	149.2	125.8	128.8	127.3	128.8	125.1	124.3
50°	839.4	773.1	654.8	343.6	134.9	119.8	127.3	122.8	124.3	122.1	122.1
52.5°	923.0	865.7	704.5	310.4	123.6	115.3	122.1	122.1	123.6	121.3	120.6
55°	1014.9	966.7	763.3	277.3	112.3	111.5	121.3	122.8	122.1	119.8	119.8
57.5°	1109.9	1085.7	822.0	257.7	102.5	104.7	120.6	123.6	121.3	119.0	118.3
60°	1220.6	1234.9	880.0	241.9	93.4	98.0	118.3	120.6	119.0	116.8	116.8
62.5°	1337.4	1386.4	925.3	201.9	87.4	91.9	113.8	116.8	114.5	113.8	113.8
65°	1425.6	1471.5	935.1	146.9	81.4	85.9	109.3	111.5	110.8	110.0	110.0
67.5°	1462.5	1475.3	889.1	104.7	75.3	80.6	104.0	107.0	104.7	106.2	105.5
70°	1442.9	1377.3	762.5	86.6	69.3	73.8	97.2	99.5	98.0	101.7	100.2
72.5°	1286.2	1152.1	568.9	73.1	64.0	67.1	89.7	91.2	90.4	91.9	88.9
75°	975.7	818.3	355.6	64.8	58.0	59.5	79.9	82.9	80.6	79.9	76.9
77.5°	562.8	493.5	177.8	58.8	52.0	51.2	70.1	72.3	70.8	66.3	67.8
80°	208.7	172.5	79.9	51.2	45.2	42.9	58.0	60.3	58.8	54.2	54.2
82.5°	60.3	55.8	49.0	42.2	39.2	33.9	46.7	49.0	48.2	46.0	42.9
85°	18.8	19.6	24.9	27.1	28.6	24.1	35.4	35.4	32.4	29.4	24.1
87.5°	2.3	3.8	4.5	7.5	9.0	6.8	9.0	9.8	9.0	6.0	6.0
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)