

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: LUMIERE

Report Number: P358922

Luminaire Tested: **1900-OA-XX-12LED2725-UNV-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P358922
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-015-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1900-OA-XX-12LED2725-UNV-BZ
Description: ASPEN BOLLARD OPEN APERTURE
Light Source: (1) 2700K CCT, 80 CRI COB LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 223.6 lumens
Efficiency: N/A
Efficacy: 16.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.08')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B0 - U2 - G0

Input Watts (W): 13.9
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: 25 FT

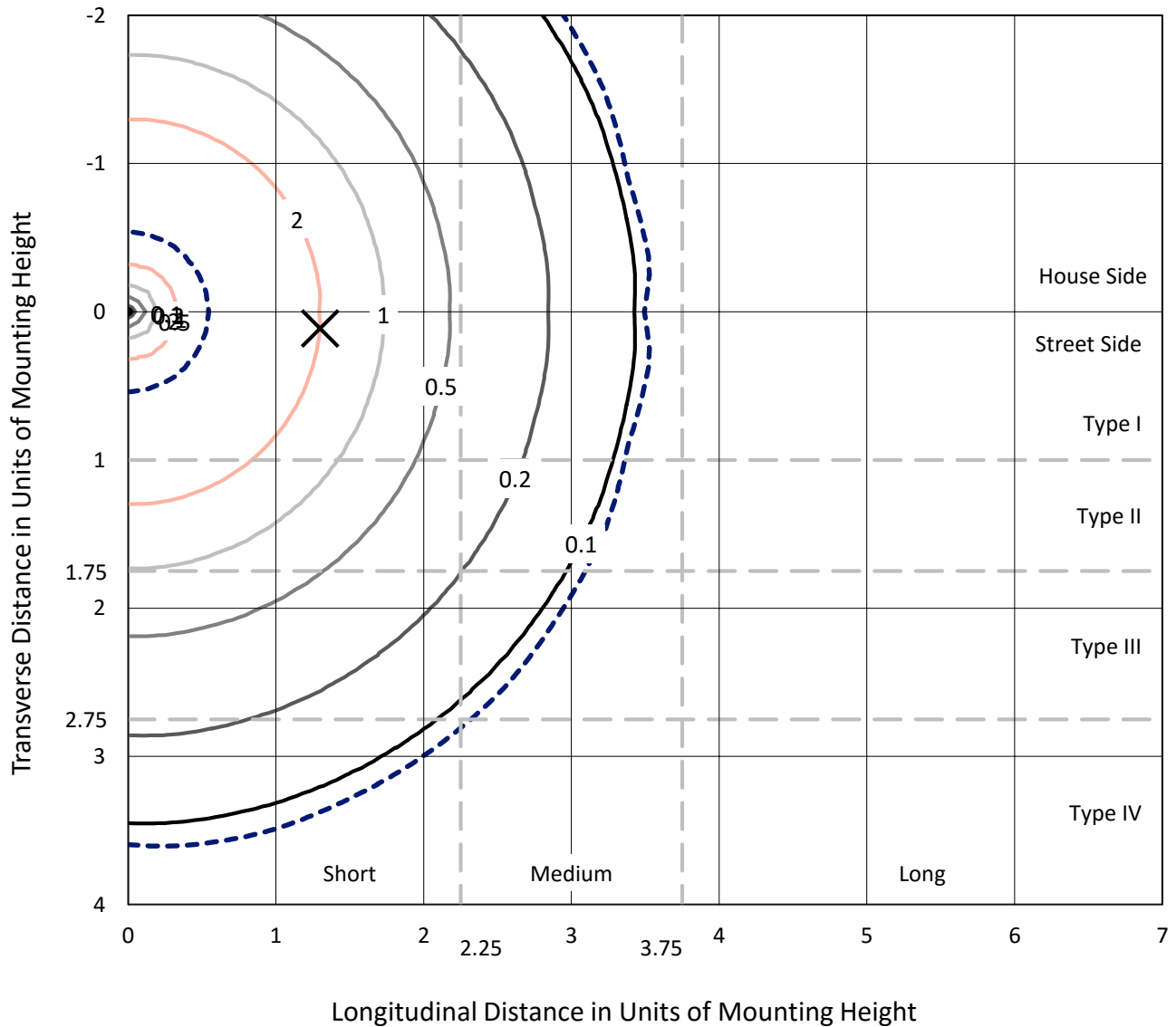


REPORT NUMBER: P358922

CATALOG NUMBER: 1900-OA-XX-12LED2725-UNV-BZ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

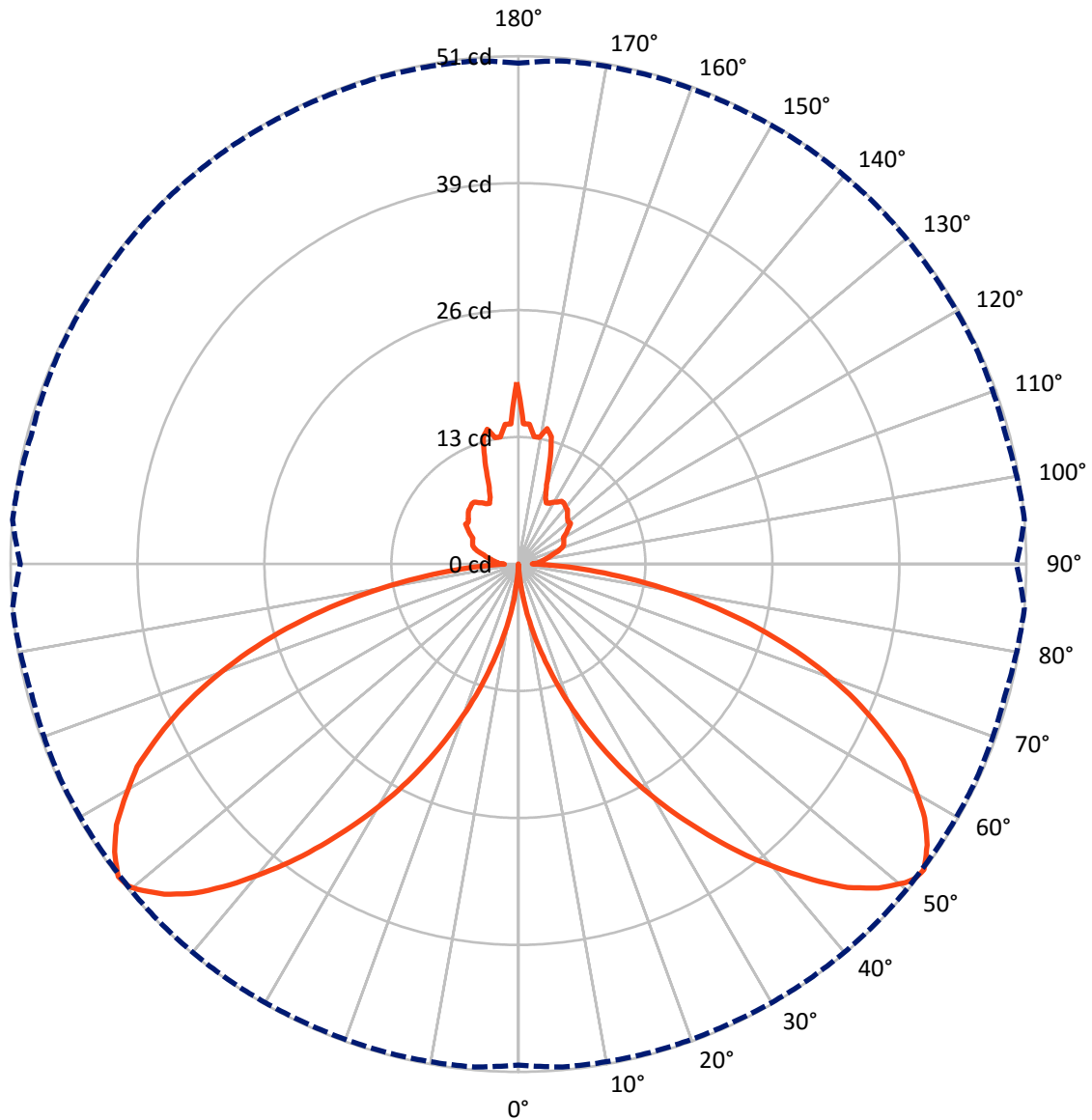


Based on 2.4 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P358922

CATALOG NUMBER: 1900-OA-XX-12LED2725-UNV-BZ

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P358922

CATALOG NUMBER: 1900-OA-XX-12LED2725-UNV-BZ

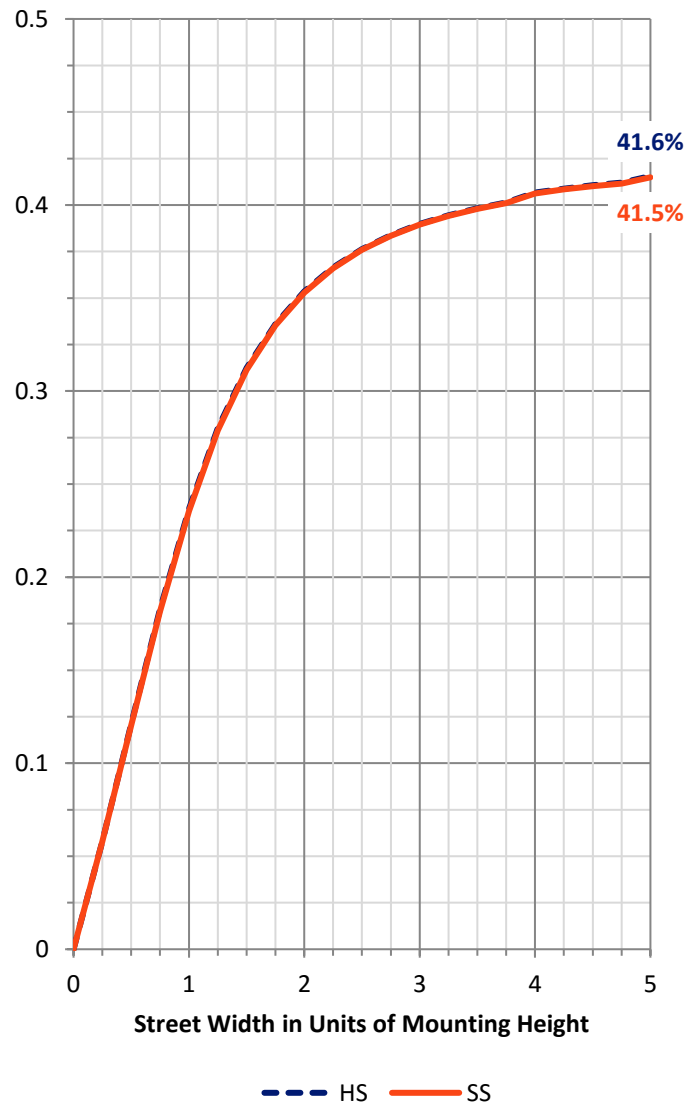
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	94.3	17.5	111.8
	% Fixture	42.2	7.8	50.0
Street Side	Lumens	94.3	17.5	111.8
	% Fixture	42.2	7.8	50.0
Total	Lumens	188.7	34.9	223.6
	% Fixture	84.4	15.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.1
10°-20°	3.1	1.4
20°-30°	10.2	4.6
30°-40°	21.5	9.6
40°-50°	35.7	16.0
50°-60°	44.4	19.8
60°-70°	40.0	17.9
70°-80°	25.7	11.5
80°-90°	7.8	3.5
90°-100°	2.4	1.1
100°-110°	3.9	1.7
110°-120°	5.0	2.2
120°-130°	5.5	2.4
130°-140°	5.5	2.5
140°-150°	4.8	2.1
150°-160°	3.3	1.5
160°-170°	3.3	1.5
170°-180°	1.3	0.6
0°-90°	188.7	84.4
0°-180°	223.6	100.0



REPORT NUMBER: P358922

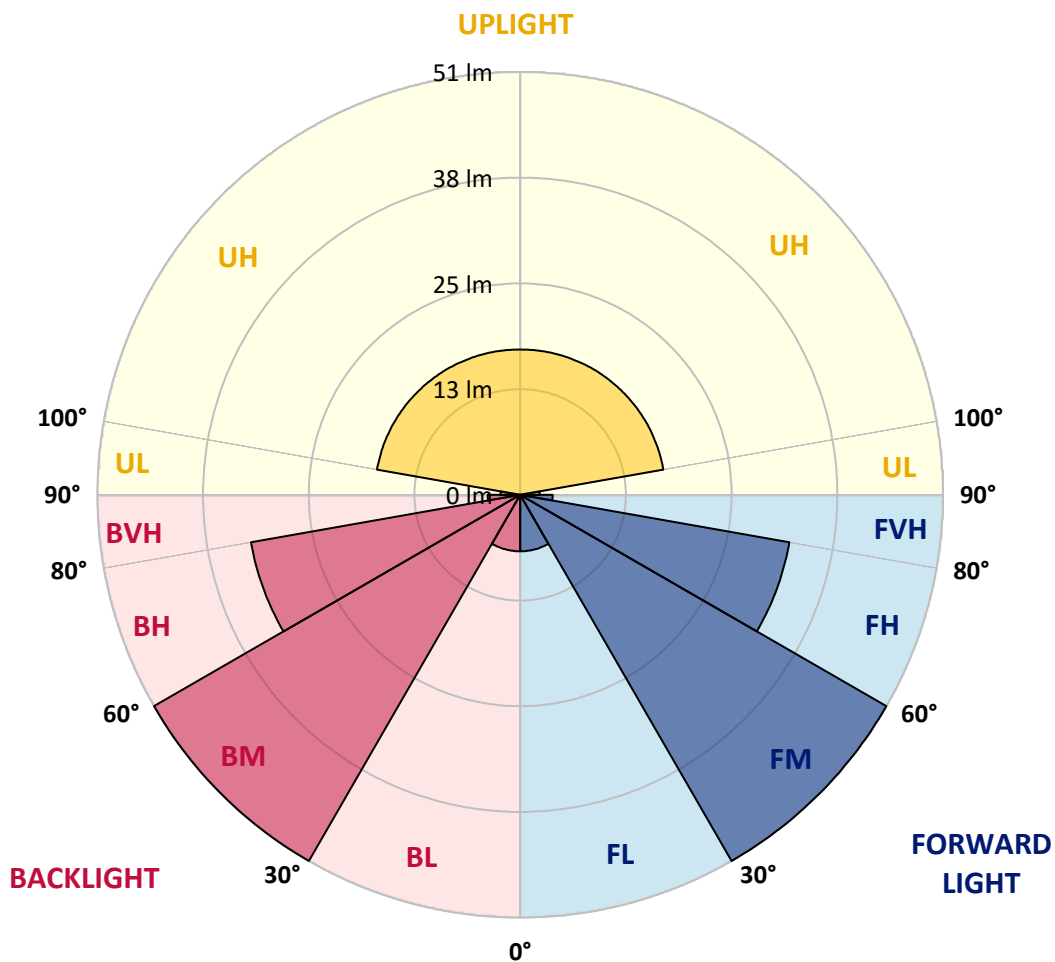
CATALOG NUMBER: 1900-OA-XX-12LED2725-UNV-BZ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6.8	3.0			
FM	(30°-60°)	50.8	22.7			
FH	(60°-80°)	32.8	14.7			G0/660
FVH	(80°-90°)	3.9	1.7			G0/10
BL	(0°-30°)	6.8	3.0	B0/110		
BM	(30°-60°)	50.8	22.7	B0/220		
BH	(60°-80°)	32.8	14.7	B0/110		G0/660
BVH	(80°-90°)	3.9	1.7			G0/10
UL	(90°-100°)	2.4	1.1		U1/10	
UH	(100°-180°)	17.5	7.8		U2/50	

BUG Rating: B0-U2-G0

Type V Short





REPORT NUMBER: P358922

CATALOG NUMBER: 1900-OA-XX-12LED2725-UNV-BZ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
5°	1.8	1.6	1.5	1.5	1.4	1.3	1.5	1.4	1.2	1.3	1.2
7.5°	3.8	3.6	3.6	3.5	3.6	3.5	3.6	3.5	3.4	3.5	3.5
10°	5.7	5.6	5.6	5.6	5.6	5.5	5.6	5.5	5.6	5.5	5.4
12.5°	8.1	8.0	7.9	8.0	7.9	7.8	8.0	7.8	7.8	7.8	7.7
15°	10.5	10.3	10.4	10.4	10.3	10.2	10.4	10.3	10.1	10.2	10.1
17.5°	13.2	13.0	13.1	13.1	12.9	12.9	13.1	13.0	12.8	12.9	12.7
20°	16.0	15.8	15.8	15.9	15.8	15.7	15.9	15.8	15.5	15.7	15.5
22.5°	18.8	18.7	18.6	18.7	18.6	18.5	18.7	18.6	18.5	18.6	18.3
25°	21.6	21.7	21.7	21.8	21.7	21.6	21.7	21.7	21.4	21.6	21.3
27.5°	24.6	24.7	24.7	24.8	24.7	24.6	24.7	24.6	24.4	24.7	24.4
30°	27.6	27.7	27.7	27.9	27.7	27.7	27.8	27.7	27.5	27.8	27.4
32.5°	30.5	30.7	30.8	30.9	30.8	30.8	30.7	30.8	30.5	30.9	30.4
35°	33.8	34.0	34.1	34.1	34.1	34.0	34.1	34.0	33.9	34.1	33.6
37.5°	36.8	37.1	37.3	37.2	37.2	37.2	37.2	37.2	37.0	37.4	36.8
40°	40.0	40.2	40.3	40.4	40.4	40.3	40.5	40.4	40.2	40.5	39.9
42.5°	43.0	43.4	43.4	43.5	43.5	43.5	43.4	43.6	43.4	43.7	43.1
45°	46.0	46.3	46.4	46.5	46.5	46.4	46.4	46.5	46.3	46.7	46.0
47.5°	48.5	48.8	48.8	48.8	48.8	48.9	48.8	48.9	48.7	49.0	48.2
50°	50.1	50.4	50.4	50.5	50.5	50.5	50.4	50.5	50.2	50.7	50.0
51°	50.5	50.9	50.9	51.0	50.9	50.9	50.9	50.9	50.7	51.2	50.2
52.5°	50.7	51.1	51.2	51.2	51.3	51.3	51.2	51.2	51.0	51.4	50.4
55°	49.6	50.1	50.1	50.2	50.2	50.1	50.1	50.1	49.8	50.2	49.5
57.5°	48.0	48.4	48.5	48.5	48.5	48.5	48.3	48.3	48.1	48.5	47.7
60°	46.0	46.3	46.3	46.3	46.3	46.3	46.1	46.1	45.8	46.1	45.6
62.5°	43.7	44.1	44.1	44.1	44.0	43.9	43.8	43.6	43.4	43.7	43.1
65°	40.6	40.9	40.9	40.8	40.8	40.8	40.7	40.4	40.0	40.3	39.8
67.5°	37.2	37.6	37.6	37.5	37.5	37.4	37.3	36.9	36.7	36.8	36.5
70°	33.1	33.5	33.5	33.5	33.4	33.2	33.1	33.0	32.6	32.9	32.5
72.5°	28.9	29.4	29.4	29.4	29.1	29.2	28.8	28.8	28.4	28.7	28.3
75°	24.7	24.8	24.9	24.7	24.7	24.6	24.4	24.3	23.9	24.3	23.9
77.5°	20.2	20.3	20.3	20.2	20.1	19.9	19.8	19.9	19.4	19.6	19.4
80°	15.3	15.4	15.4	15.4	15.4	15.2	15.0	15.1	14.6	14.9	14.6
82.5°	10.7	10.8	10.8	10.8	10.8	10.7	10.5	10.5	10.3	10.3	10.1
85°	6.5	6.6	6.7	6.8	6.7	6.5	6.5	6.5	6.4	6.4	6.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3
90°	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.4	1.5
92.5°	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
95°	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.2	2.2
97.5°	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6
100°	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
102.5°	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
105°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6
107.5°	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.2	4.2



REPORT NUMBER: P358922

CATALOG NUMBER: 1900-OA-XX-12LED2725-UNV-BZ

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	4.6	4.7	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
112.5°	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
115°	4.9	5.0	5.0	5.0	5.0	5.1	5.0	5.0	5.0	5.1	5.0
117.5°	5.1	5.1	5.1	5.1	5.1	5.2	5.1	5.2	5.1	5.2	5.1
120°	5.2	5.2	5.2	5.3	5.2	5.3	5.3	5.3	5.2	5.3	5.3
122.5°	5.7	5.8	5.8	5.8	5.7	5.8	5.8	5.8	5.8	5.8	5.8
125°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.1
127.5°	6.6	6.7	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.6
130°	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.8
132.5°	6.8	6.9	6.9	6.8	6.8	6.8	6.8	6.7	6.8	6.8	6.9
135°	7.1	7.2	7.2	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.3
137.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
140°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.5
142.5°	7.7	7.7	7.8	7.8	7.7	7.8	7.8	7.7	7.6	7.7	7.8
145°	7.6	7.7	7.8	7.7	7.7	7.8	7.8	7.7	7.7	7.7	7.8
147.5°	7.5	7.6	7.6	7.6	7.5	7.6	7.5	7.5	7.4	7.4	7.5
150°	7.4	7.4	7.3	7.3	7.3	7.4	7.4	7.3	7.2	7.2	7.4
152.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.9	7.0
155°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	7.0
157.5°	7.3	7.3	7.2	7.3	7.2	7.3	7.3	7.3	7.3	7.3	7.4
160°	8.3	8.4	8.4	8.3	8.3	8.4	8.4	8.5	8.5	8.5	8.7
162.5°	10.6	10.7	10.6	10.5	10.5	10.6	10.6	10.8	10.9	10.9	11.0
165°	12.5	12.5	12.4	12.4	12.6	12.8	13.0	13.1	13.3	13.3	13.6
167.5°	13.6	13.7	13.6	13.4	13.5	13.8	13.8	13.8	13.9	14.0	14.0
170°	13.8	14.0	13.9	13.5	13.3	13.3	13.3	13.1	13.1	13.0	13.2
172.5°	13.5	13.6	13.3	13.1	12.8	12.8	12.8	12.9	12.8	13.0	13.1
175°	13.7	13.7	13.7	13.9	14.0	14.2	14.0	14.0	14.2	14.2	14.5
177.5°	17.1	17.0	16.6	16.1	15.7	15.4	14.8	14.5	14.2	14.2	14.3
180°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4

(END OF REPORT)