

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: INVUE

Report Number: G1-2509-539-4

Luminaire Tested: LXB-C1-AMB-LED-XX-Dx-S-GM

Test Date: 2026-04-21

Test Information

Test Method: LM-79-2024
Report Number: G1-2509-539-4
Test Lab: Cooper Lighting Solutions
Issue Date: 4/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: INVUE
Catalog Number: LXB-C1-AMB-LED-XX-Dx-S-GM
Description: Arbor Bollard
Light Source: NARROW BAND AMBER
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 129.7 lumens
Efficiency: N/A
Efficacy: 10.9 lumens/watt
Luminous Opening: Circular (Dia: 0.4' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G0

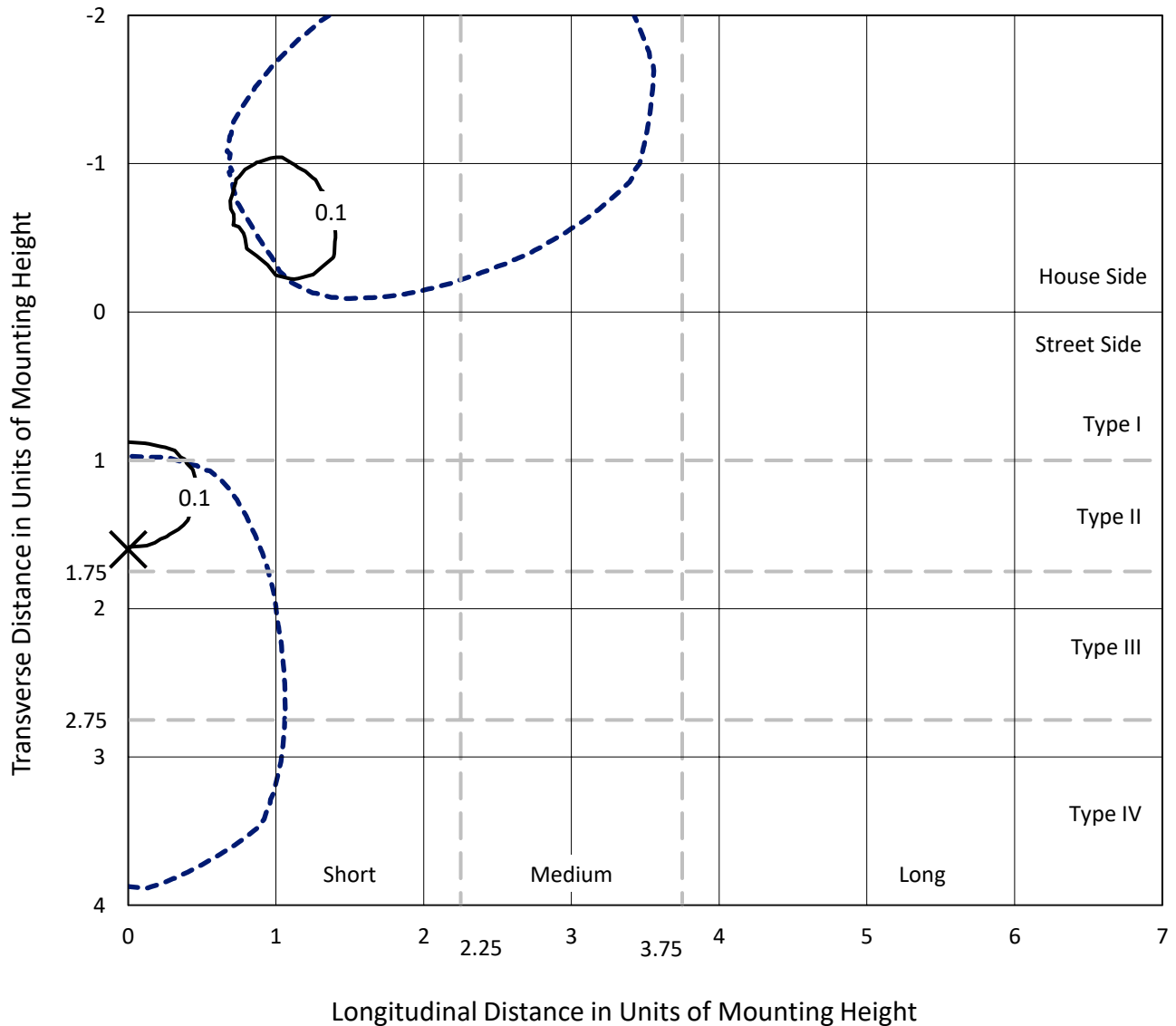
Input Watts (W): 11.9
Input Voltage (V): 120.0
Input Current (Ain): 0.105
Voltage Rise (V): NR
Power Factor: 0.9501
Total Harmonic Distortion (THDi): 12.950600%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.0
Test Distance: 28.75 FT



REPORT NUMBER: G1-2509-539-4
 CATALOG NUMBER: LXB-C1-AMB-LED-XX-Dx-S-GM

Iso-Footcandle Lines of Horizontal Illumination

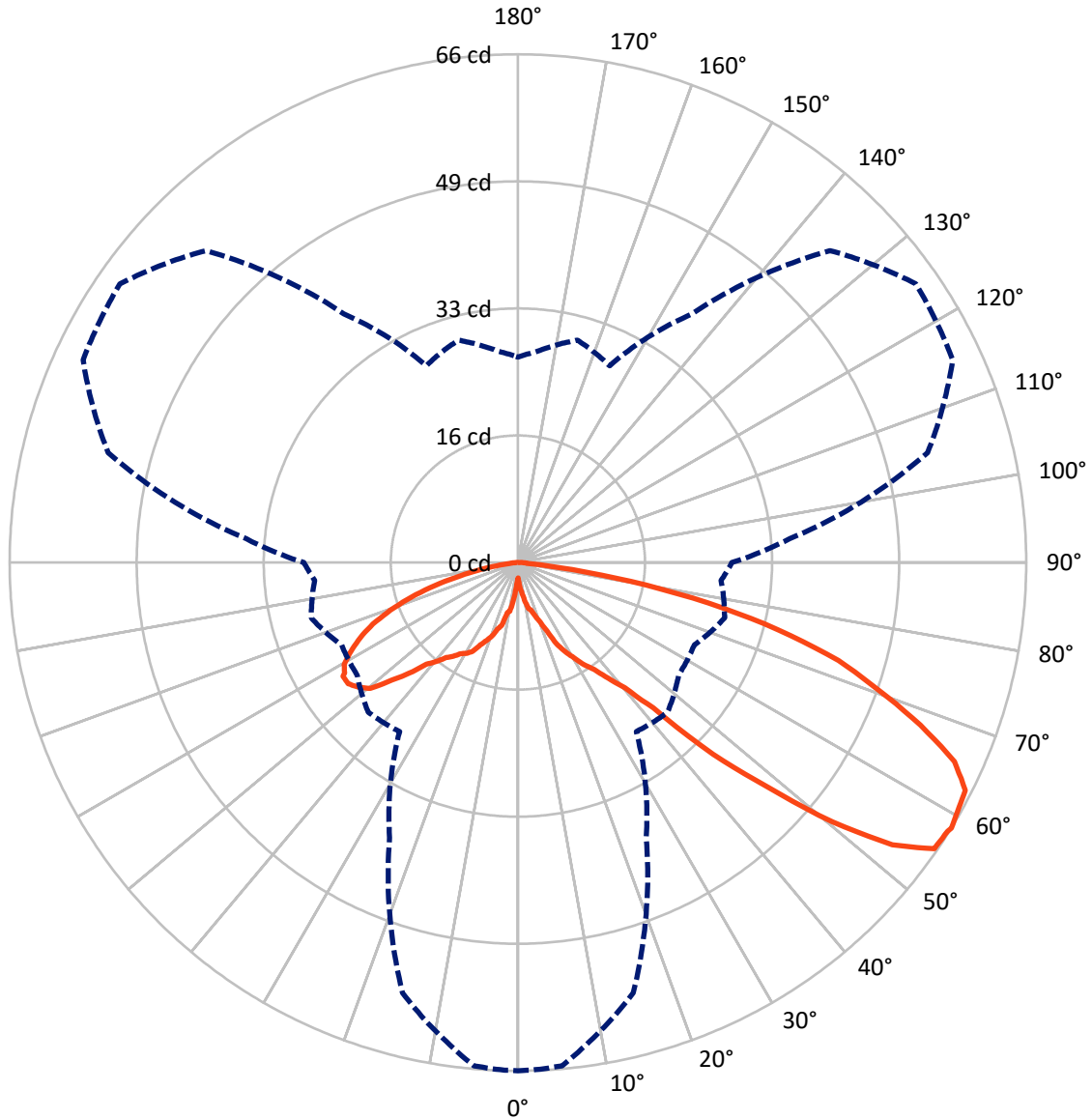
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.1 fc
 Type IV - Short - N/A

REPORT NUMBER: G1-2509-539-4
CATALOG NUMBER: LXB-C1-AMB-LED-XX-Dx-S-GM

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: G1-2509-539-4
 CATALOG NUMBER: LXB-C1-AMB-LED-XX-Dx-S-GM

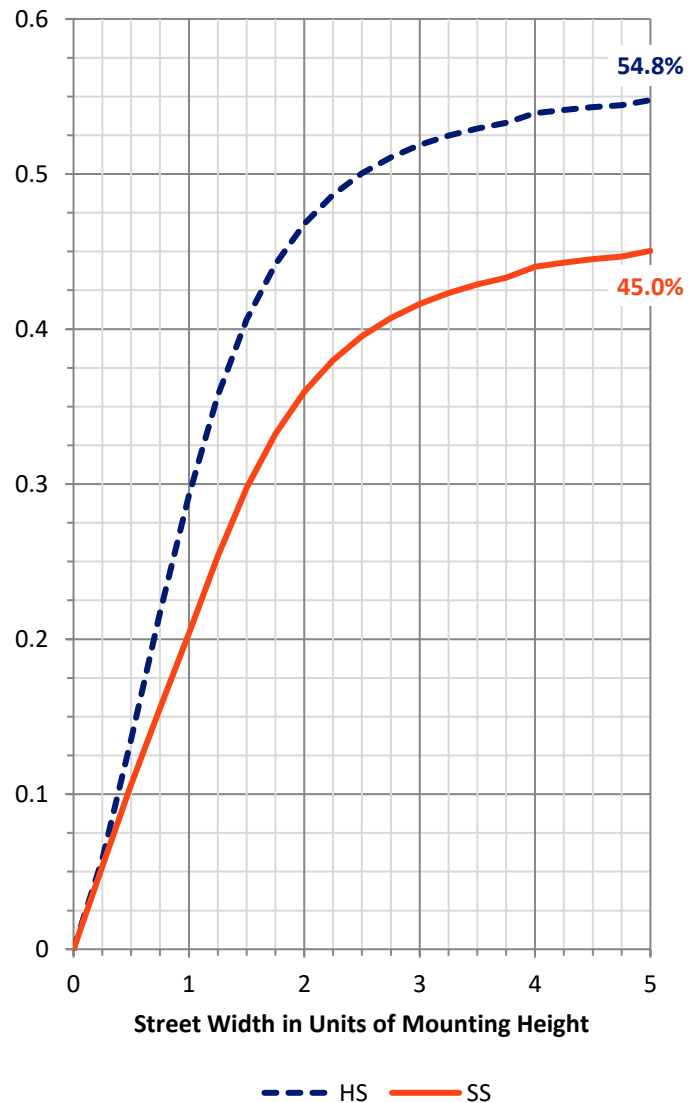
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	71.0	0.0	71.0
	% Fixture	54.8	0.0	54.8
Street Side	Lumens	58.6	0.0	58.6
	% Fixture	45.2	0.0	45.2
Total	Lumens	129.7	0.0	129.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.3
10°-20°	2.3	1.7
20°-30°	5.2	4.0
30°-40°	9.4	7.3
40°-50°	19.0	14.7
50°-60°	34.6	26.6
60°-70°	35.1	27.1
70°-80°	20.8	16.0
80°-90°	2.8	2.2
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°	129.7	100.0
0°-180°	129.7	100.0



REPORT NUMBER: G1-2509-539-4

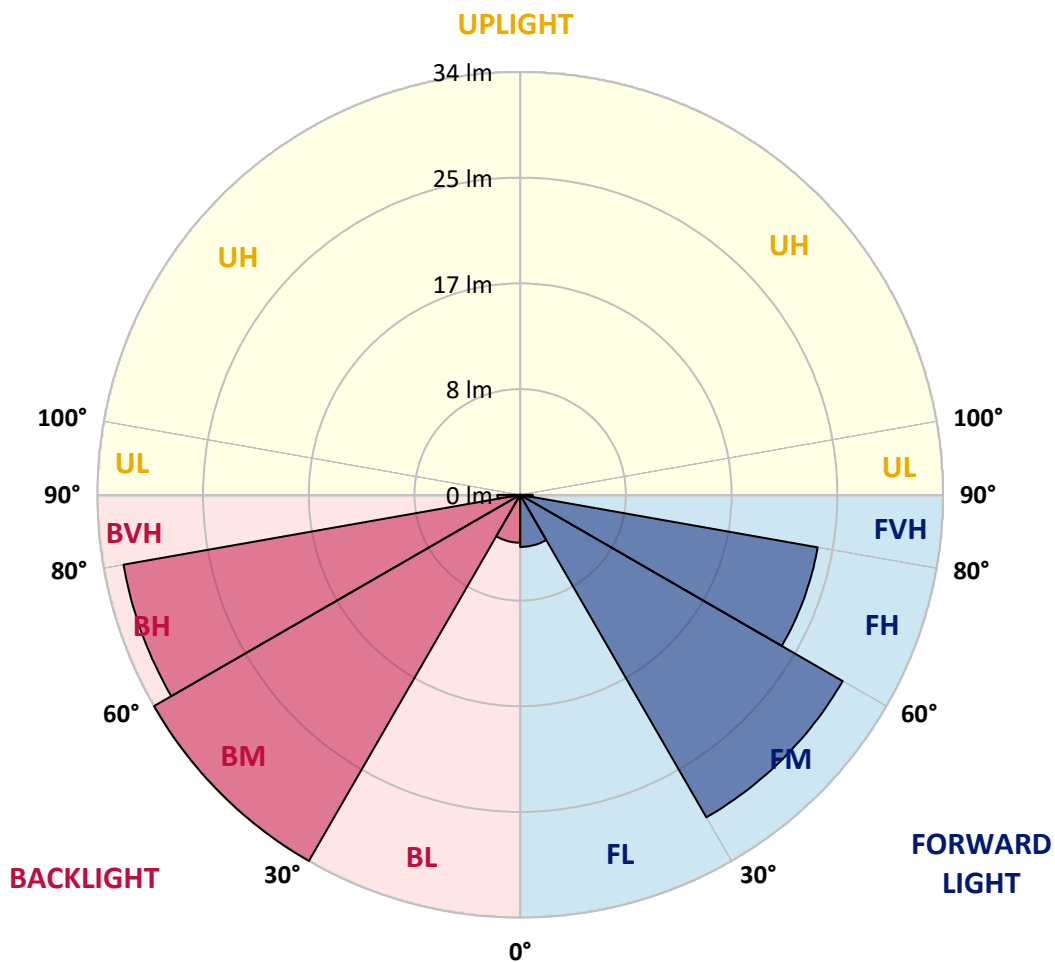
CATALOG NUMBER: LXB-C1-AMB-LED-XX-Dx-S-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4.1	3.2			
FM	(30°-60°)	29.5	22.8			
FH	(60°-80°)	24.0	18.5			G0/660
FVH	(80°-90°)	1.0	0.8			G0/10
BL	(0°-30°)	3.8	2.9	B0/110		
BM	(30°-60°)	33.5	25.9	B0/220		
BH	(60°-80°)	31.9	24.6	B0/110		G0/110
BVH	(80°-90°)	1.8	1.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type IV Short





REPORT NUMBER: G1-2509-539-4

CATALOG NUMBER: LXB-C1-AMB-LED-XX-Dx-S-GM

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.6	2.6	2.5	2.6	2.6	2.6	2.8	2.9	2.8	2.8	2.5
5°	3.4	3.5	3.4	3.6	3.9	4.2	4.4	4.4	4.4	4.5	4.2
7.5°	4.1	4.1	4.2	4.8	5.5	6.3	6.5	6.1	5.8	6.4	5.8
10°	5.1	5.1	5.4	5.7	6.3	7.2	7.1	7.3	7.8	7.5	7.4
12.5°	6.1	6.3	6.1	6.4	6.8	7.7	7.8	7.7	8.3	8.4	8.0
15°	6.4	6.5	6.7	7.2	7.9	8.4	8.7	8.8	9.3	9.0	8.8
17.5°	7.3	7.2	7.5	7.7	8.6	9.1	9.7	10.1	10.3	10.0	9.7
20°	8.2	8.1	8.2	8.5	9.1	9.8	10.4	10.9	11.0	10.9	10.0
22.5°	9.6	9.9	9.5	9.4	10.0	10.5	11.0	11.7	11.7	11.7	10.6
25°	11.7	11.6	11.4	10.6	10.9	11.4	11.6	12.3	12.3	12.3	11.1
27.5°	13.1	13.0	12.9	12.1	11.7	12.0	12.2	12.9	12.7	12.9	11.9
30°	14.3	14.4	14.2	13.2	12.5	12.7	12.9	13.4	13.6	13.5	12.7
32.5°	15.8	15.7	15.5	14.3	13.3	13.3	13.5	13.9	14.4	14.1	13.2
35°	17.0	17.0	16.9	15.9	14.3	13.9	14.3	14.6	14.7	14.6	13.9
37.5°	19.0	18.9	18.9	17.5	15.3	14.4	15.0	15.1	15.4	15.0	14.3
40°	21.3	21.2	21.3	19.7	16.5	15.0	15.8	15.9	16.0	15.9	14.9
42.5°	25.7	25.8	25.5	23.6	18.9	16.6	17.2	17.0	17.2	17.1	16.5
45°	35.4	35.6	34.9	32.0	23.9	20.1	20.9	19.9	20.0	20.7	20.0
47.5°	43.3	44.3	42.9	39.2	28.4	22.0	23.0	21.8	21.8	22.9	21.7
50°	52.8	52.6	51.8	47.7	34.2	25.4	26.0	24.1	24.1	26.0	24.9
52.5°	60.7	60.5	59.6	53.2	37.2	26.9	27.9	25.4	25.1	27.9	26.9
55°	65.4	65.1	64.4	56.7	38.7	27.3	28.3	26.0	25.7	28.4	27.3
57.5°	65.6	65.8	65.2	57.8	39.3	26.8	27.7	25.4	25.4	27.7	26.5
58°	65.8	65.7	65.4	57.7	39.3	26.7	27.4	25.4	25.2	27.7	26.4
60°	65.4	65.3	64.7	58.0	39.2	25.8	26.6	24.7	24.6	26.8	25.7
62.5°	65.0	65.2	64.4	56.8	38.5	24.3	25.2	23.2	23.0	25.6	24.2
65°	62.1	61.9	61.2	54.0	36.2	22.3	22.8	21.2	21.0	23.3	22.2
67.5°	56.2	56.3	56.1	49.9	33.0	19.8	20.1	18.7	18.6	20.8	19.5
70°	49.6	50.0	49.9	44.6	29.4	16.7	17.3	16.0	15.7	17.9	17.1
72.5°	43.4	43.3	43.2	38.3	25.1	13.6	14.0	12.7	12.8	14.9	14.1
75°	34.9	35.2	34.1	30.8	19.7	10.5	10.5	9.7	9.6	11.2	11.1
77.5°	25.2	25.0	25.0	22.4	13.9	7.1	7.0	6.4	6.5	7.8	7.6
80°	14.8	14.8	14.8	13.1	8.3	4.0	3.8	3.7	3.8	4.6	4.6
82.5°	5.2	5.0	5.1	4.3	2.6	1.7	1.9	1.7	1.9	2.0	2.2
85°	1.2	1.2	1.1	1.1	0.9	0.6	0.8	0.8	0.8	0.8	0.6
87.5°	0.9	0.9	0.9	0.9	0.5	0.2	0.5	0.6	0.6	0.6	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: G1-2509-539-4

CATALOG NUMBER: LXB-C1-AMB-LED-XX-Dx-S-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.4	2.3	2.3	2.4	2.3	2.1	2.3	2.2	2.2	2.2	2.5
5°	4.2	4.2	3.8	3.5	3.2	3.2	3.0	3.2	3.4	3.6	3.4
7.5°	5.7	5.0	5.3	4.8	4.7	4.8	4.9	4.4	4.7	4.8	5.0
10°	7.0	6.6	6.1	5.7	5.8	5.5	5.8	6.6	6.6	6.4	6.4
12.5°	7.7	7.5	6.7	5.8	5.5	5.9	6.4	7.2	7.3	7.2	6.6
15°	8.5	8.1	7.3	6.2	5.9	6.5	7.5	7.9	8.2	7.9	8.4
17.5°	9.0	8.9	7.7	6.8	6.9	7.1	8.1	8.4	9.3	9.5	9.0
20°	9.5	9.3	8.3	7.7	7.5	7.7	8.7	9.0	10.0	10.2	10.1
22.5°	10.2	10.0	9.0	8.5	8.7	8.4	9.3	9.9	10.7	11.1	10.9
25°	11.1	10.5	10.1	10.8	10.8	10.1	10.4	10.7	11.6	12.1	11.7
27.5°	11.6	11.4	11.4	12.9	12.8	11.6	11.2	11.4	12.3	12.6	12.9
30°	12.4	12.2	12.4	14.1	14.2	13.1	12.2	12.5	13.4	13.5	13.5
32.5°	12.8	12.7	13.9	15.5	15.4	14.2	13.0	13.2	14.1	14.0	13.9
35°	13.3	13.6	15.4	16.7	16.8	15.8	13.8	13.6	14.7	14.7	14.7
37.5°	14.0	14.2	16.6	18.2	18.4	17.2	14.8	14.2	15.5	15.4	15.4
40°	14.6	15.4	18.6	20.1	20.4	18.9	15.8	15.3	16.0	16.2	16.6
42.5°	16.0	16.8	21.2	23.1	23.5	22.1	17.7	16.5	17.6	17.2	17.7
45°	19.3	21.2	28.5	31.5	31.8	29.5	22.5	19.9	21.1	20.0	20.1
47.5°	21.7	24.4	34.3	38.6	39.3	36.3	25.9	22.1	23.7	22.3	22.3
50°	25.4	29.4	44.5	49.1	49.2	46.2	32.2	25.4	27.2	25.1	25.1
52.5°	27.5	32.8	49.9	56.4	57.2	52.0	36.0	27.6	29.2	26.4	26.2
55°	28.4	34.4	53.9	61.1	62.0	56.2	38.6	28.5	30.5	27.6	27.0
57.5°	28.0	35.4	55.0	61.6	62.8	56.9	39.3	28.3	29.9	27.4	27.0
58°	27.7	35.3	54.9	62.1	62.9	57.1	39.3	28.1	29.8	27.4	26.6
60°	27.5	35.5	55.2	61.8	62.5	57.2	39.4	27.4	29.2	26.9	26.1
62.5°	26.3	35.0	54.4	61.4	62.2	56.1	38.5	26.1	27.9	25.5	24.5
65°	24.4	33.0	51.7	58.4	59.7	53.7	36.8	24.1	25.6	23.4	22.6
67.5°	21.9	30.5	47.8	54.0	54.9	50.5	33.9	21.4	22.8	21.0	20.4
70°	19.5	27.6	43.5	48.6	49.1	45.5	31.0	18.6	20.1	18.3	17.6
72.5°	16.5	23.6	37.8	42.5	43.1	39.7	27.2	15.7	17.1	15.1	14.5
75°	13.2	19.3	31.0	35.1	35.9	32.8	22.3	12.5	13.1	11.8	11.2
77.5°	9.7	14.3	24.0	27.2	28.0	25.4	16.9	9.3	9.4	8.3	7.6
80°	6.0	9.1	16.1	18.2	19.0	17.2	10.9	6.0	5.7	4.9	4.8
82.5°	2.5	4.0	7.2	9.1	9.2	7.9	4.8	2.8	2.8	2.5	2.3
85°	0.6	1.0	1.3	1.4	1.5	1.5	1.0	0.8	0.9	0.9	1.0
87.5°	0.2	0.6	0.7	1.0	0.8	0.6	0.7	0.5	0.7	0.7	0.4
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)