

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: McGRAW-EDISON

Report Number: P#

Luminaire Tested: **ARCH2-30-AMB-U-T4W-HSS**

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2406-129-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ARCH2-30-AMB-U-T4W-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 300mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE IV
WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

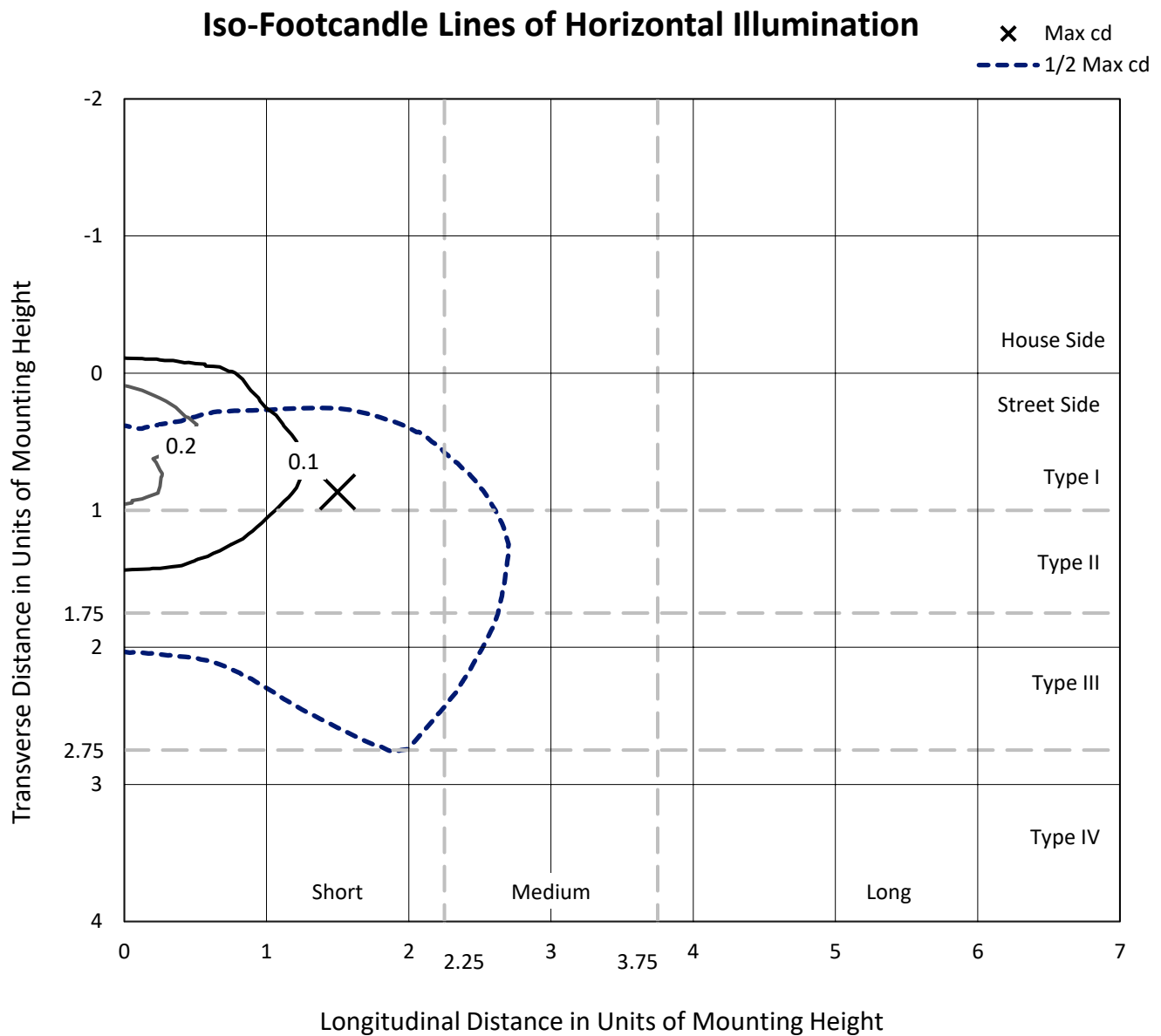
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 634 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 29.5
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

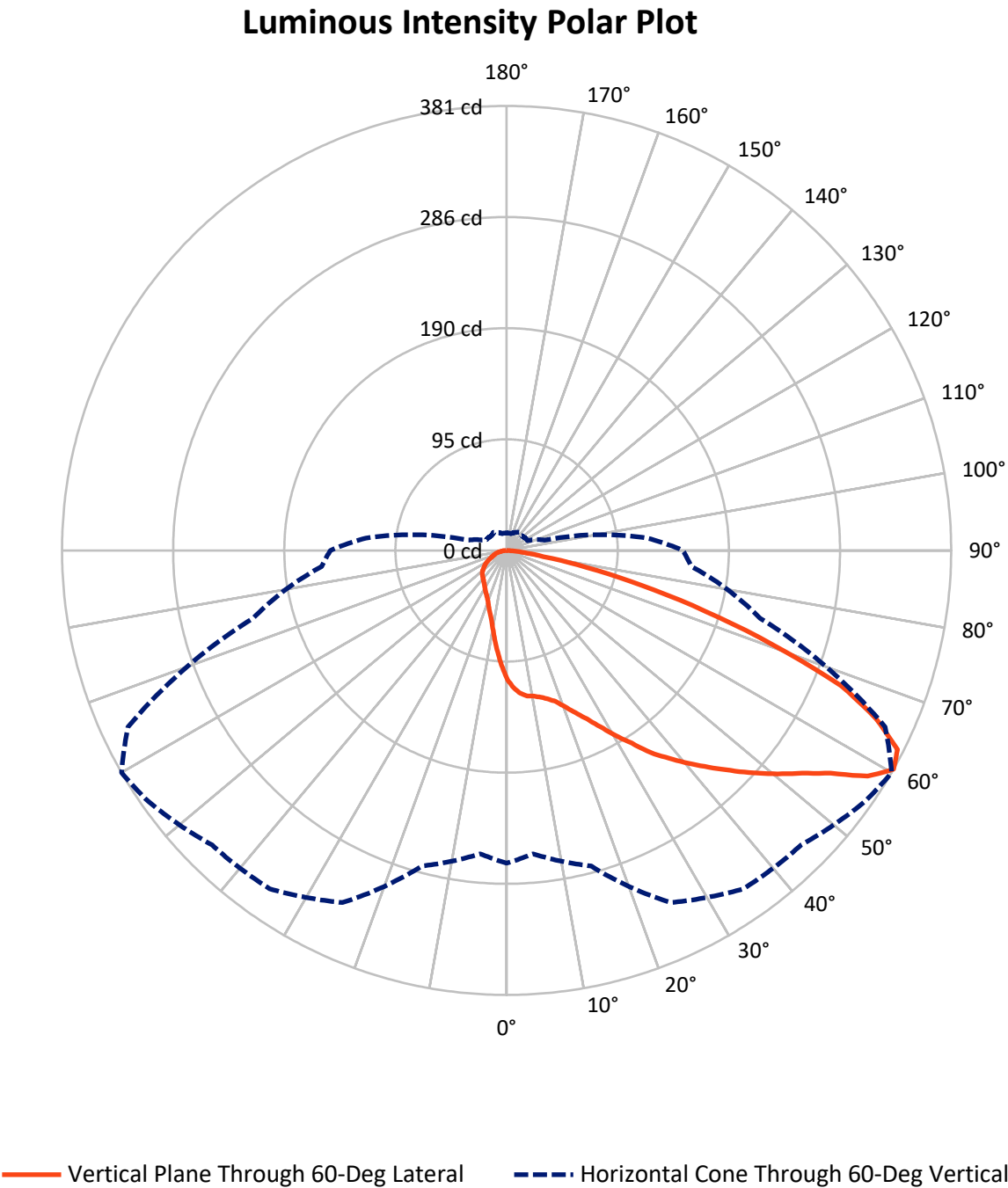


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Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
Type III - Short - N/A

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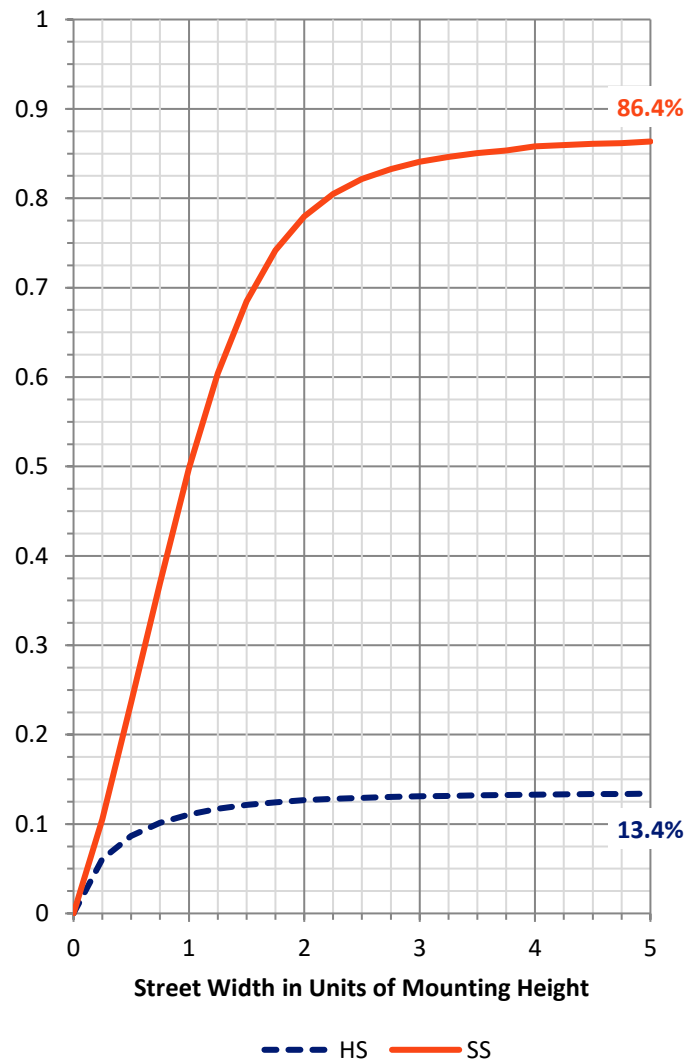
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	86.0	0.0	86.0
	% Fixture	13.6	0.0	13.6
Street Side	Lumens	548.0	0.0	548.0
	% Fixture	86.4	0.0	86.4
Total	Lumens	634.0	0.0	634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	1.5
10°-20°	28.4	4.5
20°-30°	50.3	7.9
30°-40°	78.0	12.3
40°-50°	117.6	18.6
50°-60°	151.2	23.9
60°-70°	135.6	21.4
70°-80°	57.2	9.0
80°-90°	6.0	1.0
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°	634.0	100.0
0°-180°	634.0	100.0

Coefficient of Utilization



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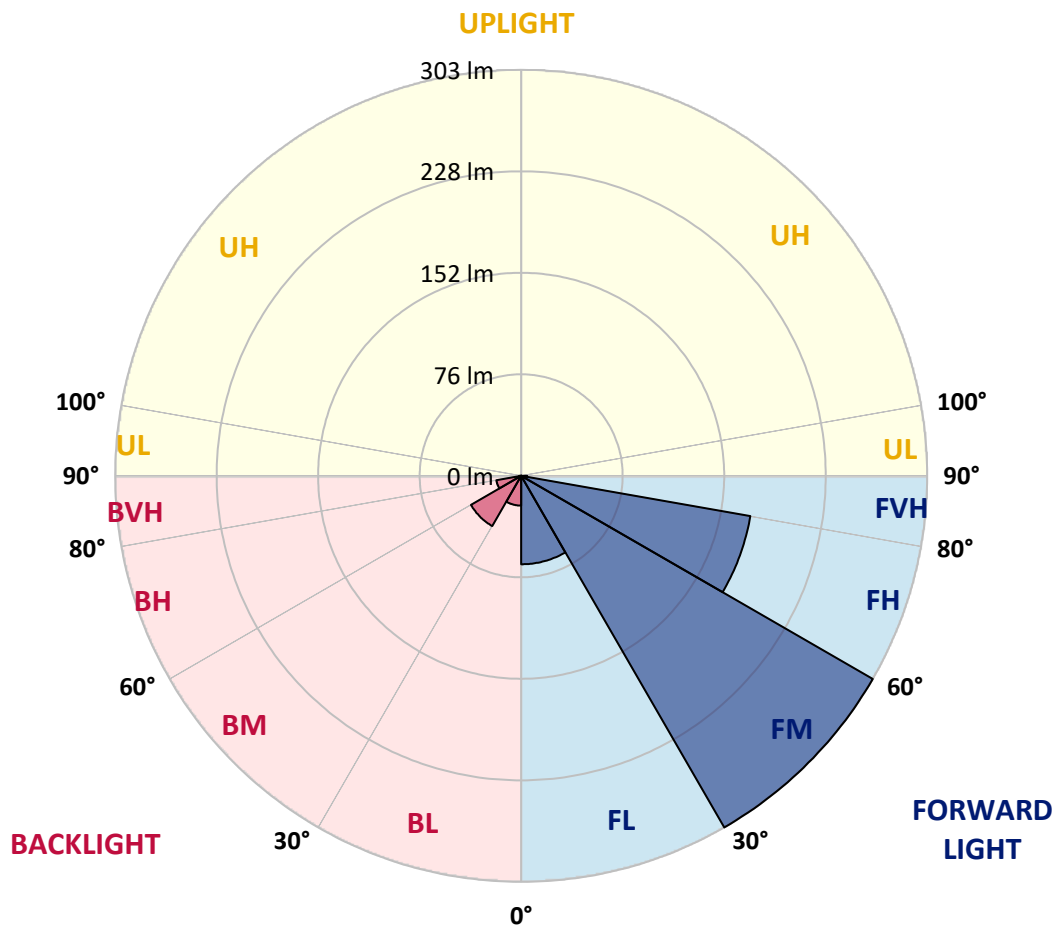
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.1	10.4			
FM	(30°-60°)	303.5	47.9			
FH	(60°-80°)	173.9	27.4			G0/660
FVH	(80°-90°)	4.5	0.7			G0/10
BL	(0°-30°)	22.3	3.5	B0/110		
BM	(30°-60°)	43.3	6.8	B0/220		
BH	(60°-80°)	18.8	3.0	B0/110		G0/110
BVH	(80°-90°)	1.6	0.2			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
2.5°	123.9	123.9	122.9	122.9	121.9	119.9	118.9	117.9	116.9	114.9	111.9
5°	129.9	128.9	128.9	127.9	127.9	125.9	123.9	122.9	120.9	117.9	112.9
7.5°	133.9	132.9	131.9	131.9	130.9	127.9	126.9	125.9	123.9	119.9	113.9
10°	140.9	140.9	138.9	136.9	134.9	130.9	127.9	126.9	124.9	120.9	112.9
12.5°	152.9	152.9	149.9	145.9	141.9	134.9	130.9	128.9	125.9	121.9	113.9
15°	166.9	166.9	162.9	158.9	152.9	142.9	134.9	131.9	128.9	123.9	114.9
17.5°	179.9	179.9	176.9	170.9	163.9	152.9	141.9	135.9	131.9	125.9	116.9
20°	188.9	188.9	185.9	181.9	174.9	162.9	149.9	142.9	135.9	127.9	118.9
22.5°	191.9	191.9	190.9	188.9	184.9	173.9	158.9	150.9	141.9	130.9	120.9
25°	193.8	194.8	193.8	192.9	191.9	183.9	168.9	159.9	148.9	134.9	123.9
27.5°	198.8	198.8	196.8	196.8	197.8	193.8	180.9	170.9	157.9	138.9	126.9
30°	204.8	203.8	202.8	201.8	203.8	202.8	193.8	183.9	168.9	143.9	129.9
32.5°	213.8	214.8	211.8	207.8	210.8	212.8	207.8	196.8	181.9	150.9	133.9
35°	232.8	233.8	225.8	218.8	220.8	222.8	221.8	212.8	194.8	157.9	134.9
37.5°	267.8	268.8	256.8	238.8	234.8	231.8	234.8	225.8	205.8	161.9	136.9
40°	297.8	297.8	288.8	265.8	251.8	241.8	246.8	239.8	220.8	168.9	139.9
42.5°	320.8	318.8	311.8	286.8	273.8	257.8	258.8	253.8	235.8	175.9	141.9
45°	343.7	335.7	323.7	305.8	294.8	277.8	272.8	268.8	251.8	183.9	145.9
47.5°	351.7	339.7	332.7	323.7	311.8	299.8	287.8	284.8	268.8	193.8	147.9
50°	350.7	341.7	341.7	330.7	323.7	315.8	303.8	300.8	284.8	201.8	150.9
52.5°	341.7	341.7	345.7	335.7	333.7	328.7	322.7	316.8	300.8	210.8	154.9
55°	338.7	337.7	348.7	341.7	345.7	341.7	345.7	336.7	320.8	218.8	158.9
57.5°	313.8	311.8	328.7	348.7	355.7	351.7	365.7	364.7	342.7	224.8	161.9
60°	267.8	260.8	279.8	332.7	353.7	356.7	374.7	380.7	357.7	224.8	158.9
62.5°	222.8	219.8	233.8	293.8	337.7	349.7	366.7	375.7	362.7	221.8	150.9
65°	159.9	168.9	192.9	249.8	312.8	330.7	339.7	347.7	348.7	212.8	140.9
67.5°	108.9	115.9	136.9	212.8	286.8	304.8	304.8	308.8	305.8	182.9	115.9
70°	73.9	78.9	90.9	175.9	251.8	258.8	254.8	241.8	229.8	146.9	87.9
72.5°	52.0	55.0	61.0	133.9	211.8	205.8	191.9	177.9	162.9	113.9	64.0
75°	36.0	38.0	42.0	90.9	163.9	141.9	117.9	118.9	113.9	88.9	48.0
77.5°	20.0	24.0	26.0	54.0	101.9	92.9	69.9	69.9	74.9	62.0	35.0
80°	6.0	7.0	10.0	26.0	40.0	53.0	40.0	32.0	30.0	36.0	24.0
82.5°	3.0	3.0	5.0	13.0	15.0	20.0	19.0	15.0	11.0	18.0	14.0
85°	1.0	2.0	2.0	4.0	4.0	5.0	7.0	5.0	3.0	7.0	7.0
87.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
2.5°	110.9	108.9	105.9	101.9	98.9	95.9	92.9	92.9	89.9	88.9	88.9
5°	110.9	107.9	99.9	92.9	85.9	79.9	74.9	72.9	69.9	68.9	67.9
7.5°	109.9	104.9	94.9	83.9	73.9	66.9	62.0	59.0	57.0	56.0	55.0
10°	108.9	102.9	88.9	74.9	64.0	57.0	53.0	50.0	48.0	47.0	47.0
12.5°	107.9	100.9	82.9	66.9	56.0	50.0	46.0	45.0	43.0	42.0	42.0
15°	108.9	99.9	77.9	61.0	51.0	45.0	42.0	41.0	40.0	39.0	39.0
17.5°	108.9	98.9	73.9	56.0	47.0	42.0	39.0	38.0	37.0	37.0	37.0
20°	110.9	98.9	69.9	51.0	43.0	39.0	37.0	36.0	36.0	35.0	35.0
22.5°	111.9	98.9	66.9	48.0	40.0	36.0	35.0	34.0	34.0	34.0	34.0
25°	114.9	99.9	64.0	45.0	38.0	35.0	33.0	33.0	32.0	32.0	32.0
27.5°	116.9	99.9	61.0	43.0	36.0	33.0	32.0	31.0	31.0	30.0	30.0
30°	119.9	101.9	59.0	40.0	35.0	32.0	31.0	30.0	29.0	29.0	29.0
32.5°	122.9	102.9	57.0	38.0	33.0	31.0	29.0	28.0	28.0	28.0	28.0
35°	124.9	102.9	54.0	37.0	31.0	30.0	28.0	27.0	27.0	27.0	27.0
37.5°	126.9	104.9	53.0	35.0	30.0	28.0	27.0	26.0	26.0	25.0	26.0
40°	129.9	107.9	52.0	34.0	29.0	27.0	26.0	25.0	25.0	25.0	25.0
42.5°	132.9	109.9	52.0	33.0	28.0	26.0	25.0	24.0	24.0	24.0	24.0
45°	135.9	111.9	51.0	32.0	27.0	25.0	24.0	23.0	23.0	23.0	23.0
47.5°	138.9	113.9	50.0	31.0	26.0	24.0	23.0	22.0	22.0	22.0	22.0
50°	141.9	115.9	47.0	29.0	25.0	23.0	22.0	22.0	21.0	21.0	21.0
52.5°	144.9	118.9	45.0	27.0	23.0	22.0	21.0	21.0	20.0	20.0	20.0
55°	149.9	120.9	41.0	25.0	22.0	21.0	20.0	20.0	19.0	19.0	19.0
57.5°	151.9	121.9	38.0	23.0	20.0	20.0	20.0	19.0	17.0	16.0	16.0
60°	150.9	120.9	34.0	20.0	19.0	18.0	19.0	17.0	15.0	15.0	15.0
62.5°	144.9	117.9	30.0	18.0	17.0	17.0	17.0	16.0	14.0	13.0	13.0
65°	132.9	103.9	26.0	15.0	15.0	16.0	16.0	15.0	13.0	12.0	12.0
67.5°	105.9	74.9	22.0	13.0	14.0	15.0	15.0	13.0	12.0	11.0	11.0
70°	79.9	54.0	18.0	11.0	12.0	13.0	13.0	12.0	10.0	10.0	10.0
72.5°	58.0	38.0	15.0	10.0	11.0	11.0	11.0	10.0	9.0	8.0	8.0
75°	41.0	28.0	12.0	9.0	10.0	9.0	9.0	8.0	8.0	7.0	7.0
77.5°	28.0	18.0	10.0	7.0	8.0	7.0	7.0	7.0	6.0	6.0	6.0
80°	17.0	10.0	6.0	5.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
82.5°	11.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	5.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	0.0	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)