

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-T3**

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 (G2-2406-129-7)
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-T3
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 300mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

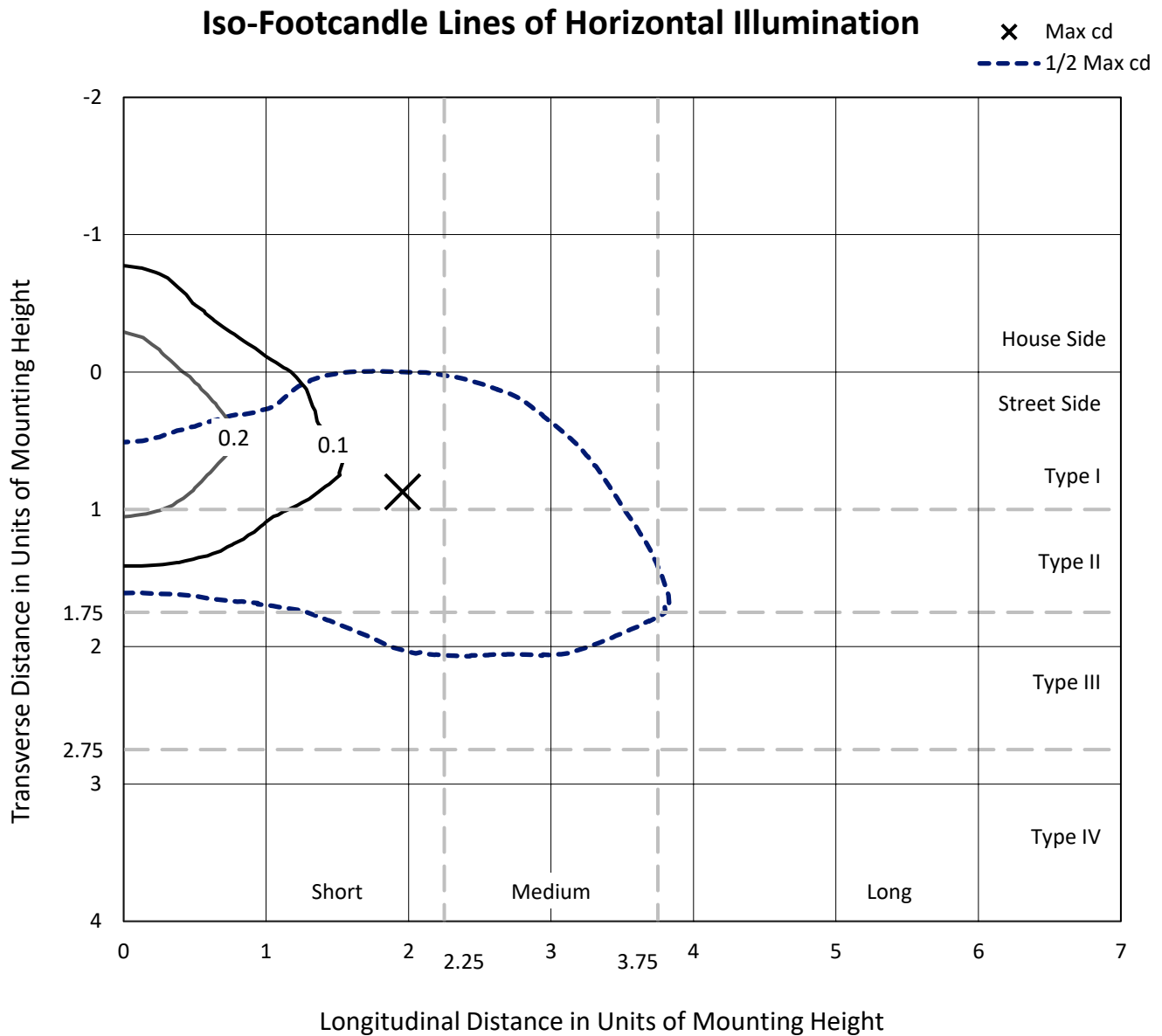
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 942 lumens
Efficiency: N/A
Efficacy: 31.9 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



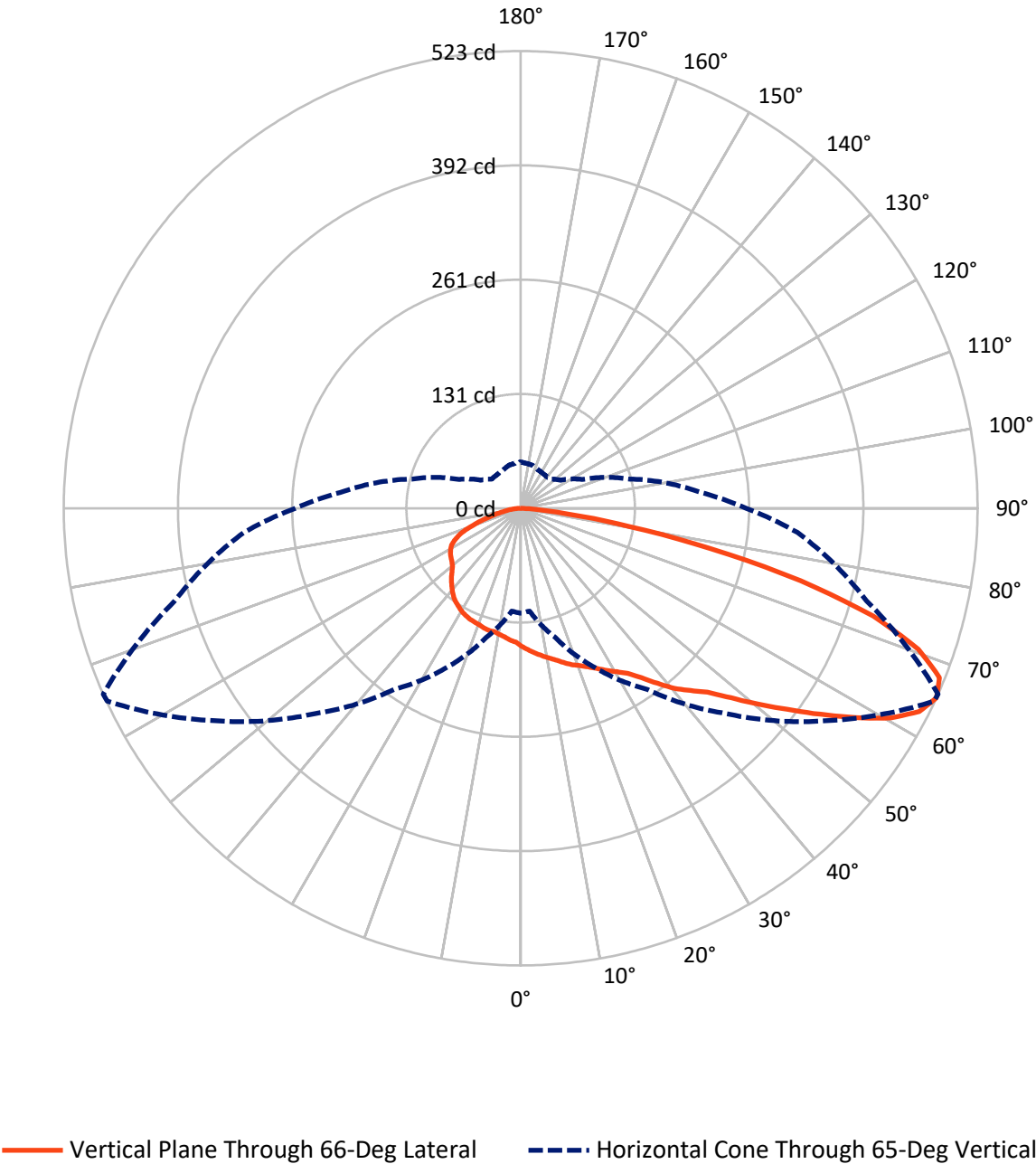
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Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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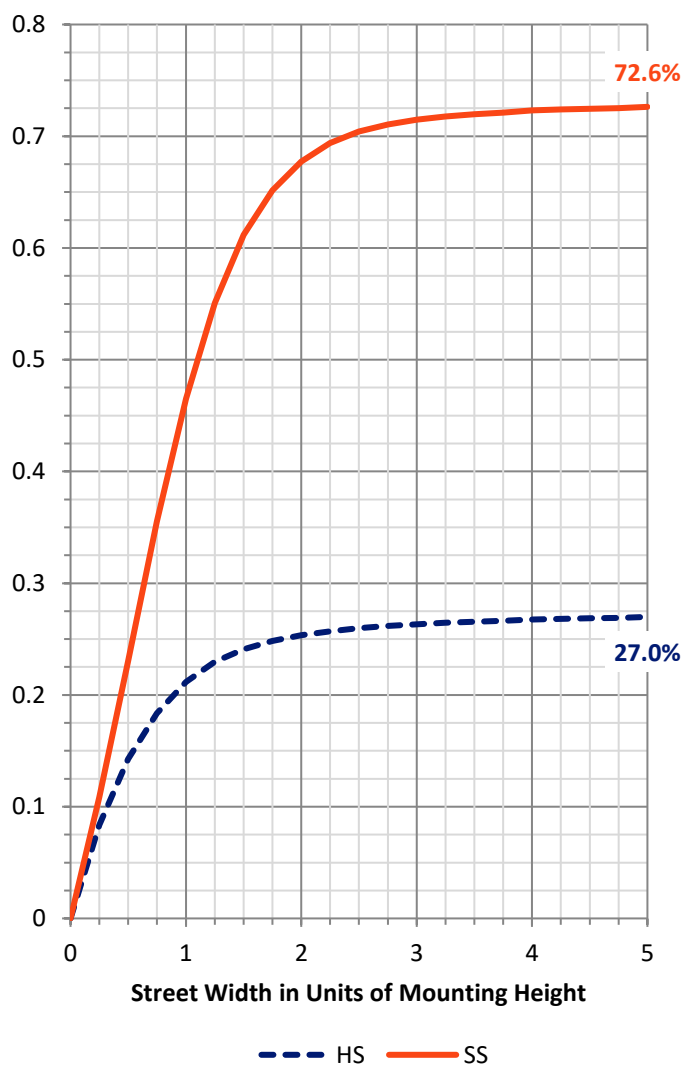
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.6	0.0	256.6
	% Fixture	27.2	0.0	27.2
Street Side	Lumens	685.5	0.0	685.5
	% Fixture	72.8	0.0	72.8
Total	Lumens	942.0	0.0	942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	1.6
10°-20°	48.4	5.1
20°-30°	82.7	8.8
30°-40°	126.4	13.4
40°-50°	170.9	18.1
50°-60°	200.2	21.3
60°-70°	186.3	19.8
70°-80°	97.8	10.4
80°-90°	13.9	1.5
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°	942.0	100.0
0°-180°	942.0	100.0

Coefficient of Utilization



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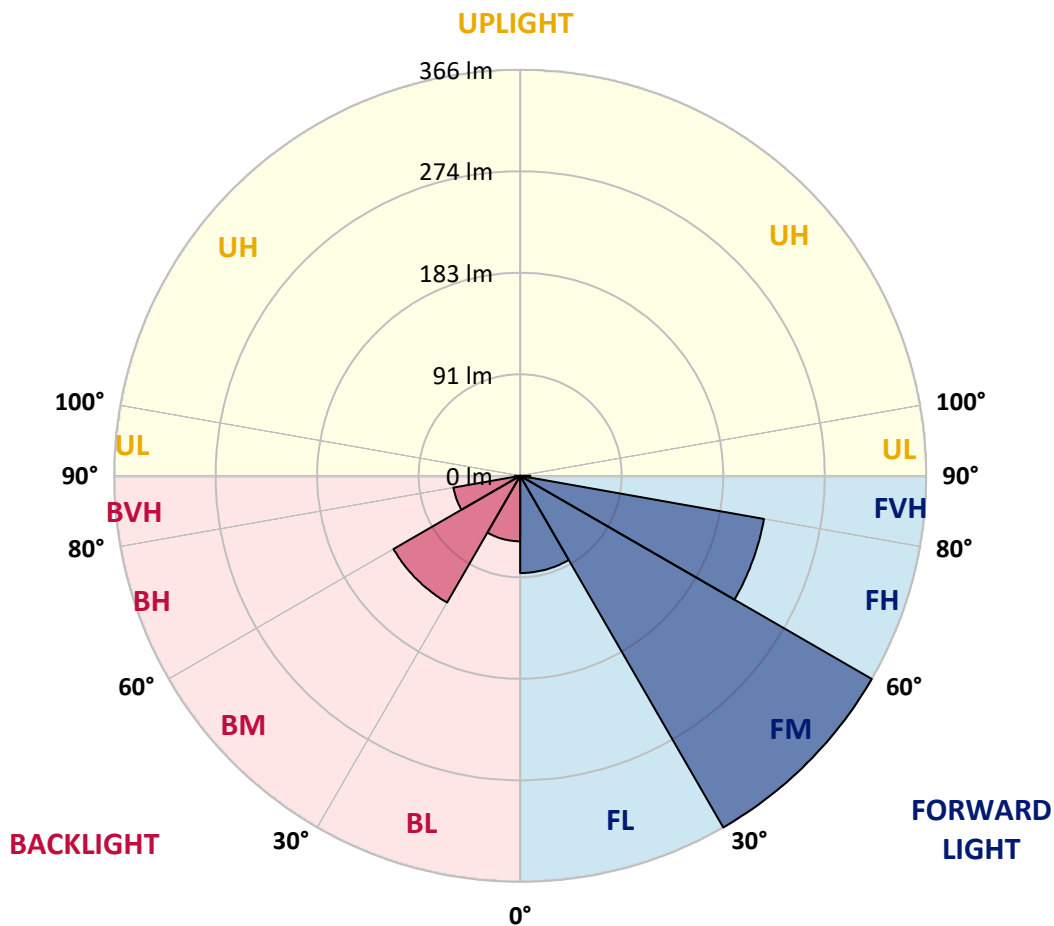
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.6	9.3			
FM	(30°-60°)	365.8	38.8			
FH	(60°-80°)	223.0	23.7			G0/660
FVH	(80°-90°)	9.1	1.0			G0/10
BL	(0°-30°)	59.0	6.3	B0/110		
BM	(30°-60°)	131.8	14.0	B0/220		
BH	(60°-80°)	61.1	6.5	B0/110		G0/110
BVH	(80°-90°)	4.7	0.5			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°	65°	66°	75°	85°
0°	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0
2.5°	169.0	169.0	168.0	168.0	166.0	165.0	163.0	161.0	162.0	159.0	158.0
5°	182.0	182.0	181.0	179.0	176.0	173.0	170.0	166.0	166.0	162.0	159.0
7.5°	194.0	195.0	193.0	190.0	186.0	182.0	176.0	170.0	170.0	164.0	160.0
10°	206.0	205.0	204.0	200.0	195.0	189.0	182.0	174.0	174.0	166.0	159.0
12.5°	214.0	214.0	212.0	209.0	204.0	197.0	188.0	178.0	178.0	168.0	160.0
15°	217.0	217.0	217.0	216.0	212.0	205.0	195.0	183.0	183.0	171.0	161.0
17.5°	218.0	218.0	219.0	220.0	218.0	214.0	203.0	189.0	188.0	174.0	162.0
20°	217.0	217.0	219.0	221.0	223.0	220.0	210.0	193.0	192.0	176.0	163.0
22.5°	221.0	220.0	221.0	224.0	226.0	226.0	217.0	198.0	197.0	179.0	165.0
25°	237.0	236.0	235.0	231.0	232.0	233.0	224.0	205.0	203.0	184.0	168.0
27.5°	265.9	262.9	260.9	252.0	246.0	243.0	232.0	212.0	210.0	188.0	171.0
30°	291.9	289.9	287.9	276.9	265.9	255.0	242.0	219.0	217.0	193.0	175.0
32.5°	310.9	310.9	310.9	302.9	287.9	268.9	254.0	227.0	225.0	199.0	181.0
35°	321.9	321.9	324.9	319.9	302.9	284.9	270.9	240.0	238.0	209.0	191.0
37.5°	328.9	327.9	331.9	326.9	308.9	297.9	287.9	255.0	254.0	218.0	199.0
40°	351.9	348.9	351.9	336.9	312.9	308.9	305.9	272.9	270.9	230.0	210.0
42.5°	372.9	372.9	370.9	347.9	322.9	319.9	322.9	286.9	284.9	235.0	214.0
45°	381.9	377.9	372.9	354.9	342.9	327.9	336.9	301.9	299.9	250.0	224.0
47.5°	384.9	380.9	376.9	363.9	356.9	338.9	351.9	326.9	323.9	263.9	239.0
50°	377.9	374.9	375.9	367.9	368.9	347.9	366.9	356.9	351.9	282.9	255.0
52.5°	356.9	357.9	362.9	367.9	362.9	352.9	383.9	388.9	381.9	301.9	271.9
55°	315.9	320.9	337.9	353.9	356.9	355.9	400.9	420.9	415.9	323.9	285.9
57.5°	276.9	275.9	291.9	330.9	345.9	359.9	416.9	455.9	451.9	347.9	296.9
60°	215.0	220.0	243.0	288.9	327.9	359.9	429.9	490.9	486.9	369.9	304.9
62.5°	167.0	166.0	198.0	238.0	292.9	350.9	433.9	513.9	511.9	390.9	311.9
65°	120.0	118.0	153.0	201.0	253.0	331.9	423.9	521.9	522.9	409.9	317.9
67.5°	70.0	70.0	107.0	157.0	215.0	307.9	395.9	511.9	516.9	416.9	305.9
70°	41.0	41.0	69.0	111.0	166.0	280.9	358.9	476.9	482.9	382.9	276.9
72.5°	31.0	31.0	49.0	74.0	113.0	225.0	307.9	412.9	421.9	322.9	222.0
75°	25.0	25.0	33.0	50.0	70.0	133.0	247.0	325.9	330.9	240.0	169.0
77.5°	20.0	20.0	23.0	31.0	39.0	66.0	144.0	218.0	222.0	168.0	124.0
80°	14.0	14.0	15.0	20.0	22.0	30.0	65.0	122.0	126.0	104.0	82.0
82.5°	8.0	8.0	9.0	11.0	12.0	16.0	29.0	57.0	57.0	59.0	49.0
85°	4.0	4.0	4.0	5.0	5.0	7.0	13.0	20.0	19.0	26.0	20.0
87.5°	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0	4.0	3.0
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°	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0
2.5°	157.0	156.0	155.0	153.0	153.0	152.0	151.0	150.0	150.0	150.0	150.0
5°	158.0	156.0	154.0	151.0	150.0	148.0	147.0	147.0	147.0	147.0	146.0
7.5°	157.0	155.0	151.0	148.0	147.0	146.0	145.0	145.0	145.0	145.0	145.0
10°	157.0	153.0	149.0	146.0	144.0	143.0	142.0	142.0	143.0	143.0	143.0
12.5°	157.0	153.0	148.0	144.0	143.0	142.0	141.0	142.0	142.0	143.0	143.0
15°	157.0	152.0	147.0	144.0	143.0	142.0	141.0	141.0	142.0	143.0	143.0
17.5°	157.0	152.0	146.0	143.0	142.0	141.0	140.0	140.0	141.0	143.0	143.0
20°	157.0	152.0	145.0	141.0	140.0	140.0	139.0	138.0	138.0	140.0	140.0
22.5°	159.0	152.0	145.0	140.0	138.0	136.0	135.0	134.0	134.0	136.0	136.0
25°	161.0	153.0	145.0	139.0	135.0	133.0	131.0	130.0	130.0	132.0	132.0
27.5°	163.0	155.0	145.0	137.0	131.0	128.0	127.0	127.0	127.0	128.0	129.0
30°	167.0	158.0	145.0	135.0	127.0	123.0	122.0	123.0	125.0	126.0	127.0
32.5°	173.0	161.0	145.0	132.0	122.0	117.0	119.0	122.0	124.0	125.0	126.0
35°	180.0	167.0	145.0	129.0	117.0	113.0	117.0	122.0	124.0	125.0	127.0
37.5°	189.0	175.0	147.0	125.0	113.0	109.0	114.0	122.0	125.0	126.0	127.0
40°	198.0	182.0	148.0	120.0	108.0	106.0	111.0	122.0	123.0	123.0	124.0
42.5°	200.0	179.0	144.0	115.0	104.0	103.0	107.0	118.0	120.0	119.0	119.0
45°	208.0	184.0	141.0	110.0	99.0	99.0	100.0	111.0	116.0	116.0	116.0
47.5°	219.0	190.0	138.0	104.0	94.0	94.0	94.0	104.0	109.0	110.0	108.0
50°	231.0	196.0	135.0	99.0	89.0	88.0	87.0	95.0	99.0	98.0	97.0
52.5°	245.0	201.0	133.0	96.0	85.0	80.0	80.0	85.0	88.0	87.0	86.0
55°	254.0	204.0	131.0	94.0	80.0	72.0	73.0	75.0	79.0	78.0	79.0
57.5°	259.9	206.0	130.0	92.0	74.0	65.0	65.0	68.0	71.0	72.0	72.0
60°	261.9	207.0	130.0	89.0	68.0	59.0	59.0	61.0	65.0	65.0	65.0
62.5°	259.9	207.0	130.0	85.0	62.0	53.0	53.0	55.0	57.0	57.0	57.0
65°	258.0	207.0	129.0	78.0	56.0	47.0	47.0	48.0	51.0	52.0	53.0
67.5°	244.0	196.0	119.0	70.0	49.0	42.0	41.0	43.0	46.0	46.0	47.0
70°	217.0	170.0	95.0	59.0	43.0	36.0	36.0	37.0	40.0	39.0	39.0
72.5°	181.0	139.0	75.0	47.0	35.0	31.0	31.0	32.0	32.0	32.0	33.0
75°	149.0	104.0	56.0	35.0	28.0	25.0	26.0	26.0	26.0	28.0	28.0
77.5°	113.0	73.0	41.0	26.0	22.0	20.0	20.0	21.0	21.0	22.0	22.0
80°	71.0	47.0	27.0	18.0	15.0	15.0	15.0	16.0	17.0	18.0	17.0
82.5°	40.0	28.0	16.0	13.0	11.0	10.0	10.0	11.0	12.0	12.0	12.0
85°	16.0	15.0	10.0	7.0	7.0	6.0	6.0	7.0	7.0	7.0	7.0
87.5°	3.0	4.0	3.0	3.0	3.0	2.0	2.0	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)