

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-5WQ-PFS**

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 (G2-2406-129-14)
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-5WQ-PFS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 300mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V
WIDE OPTICS WITH REAR PERIMETER FENCE SHIELD
Light Source: -
Ballast/Driver: -

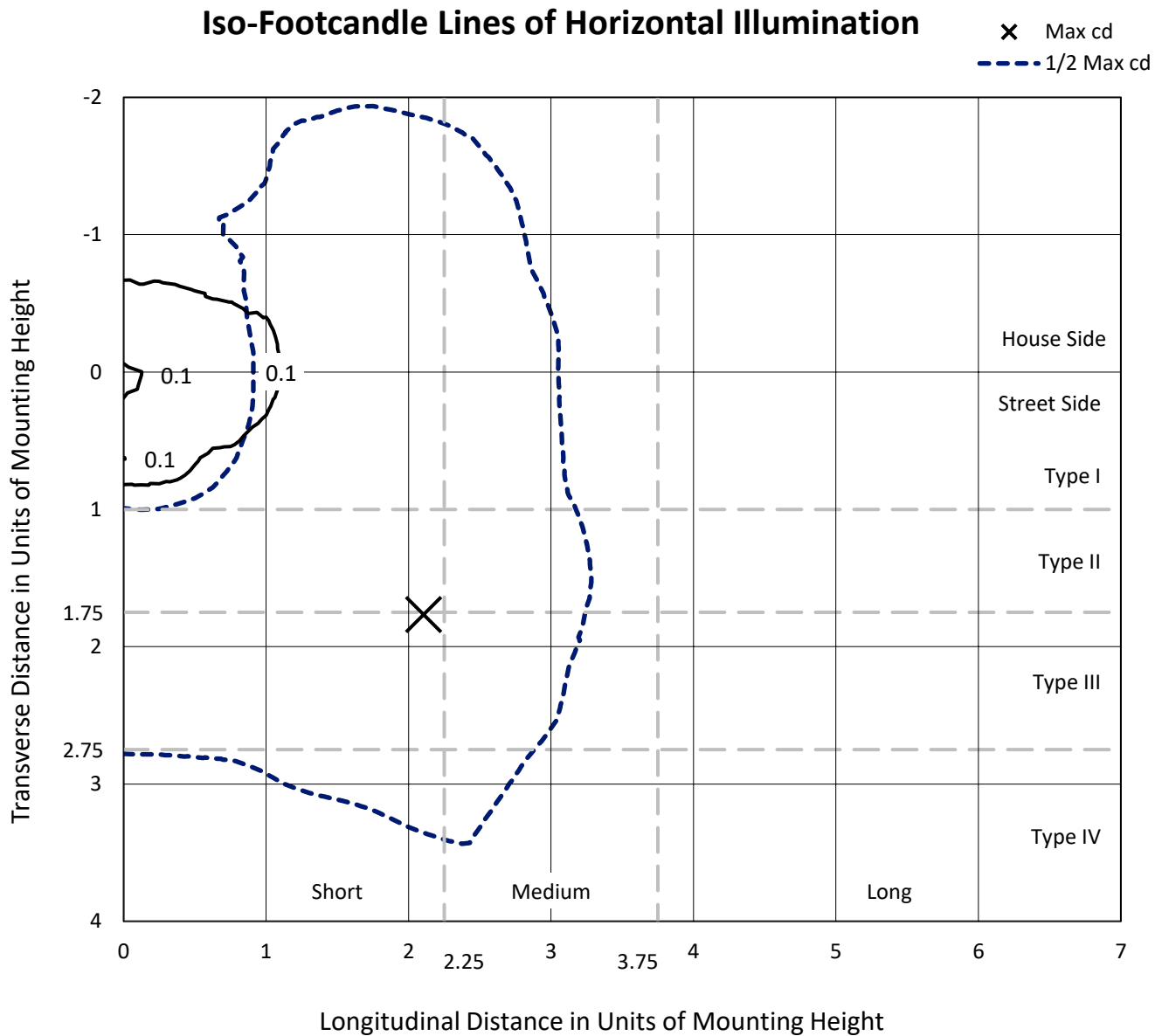
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 812.1 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

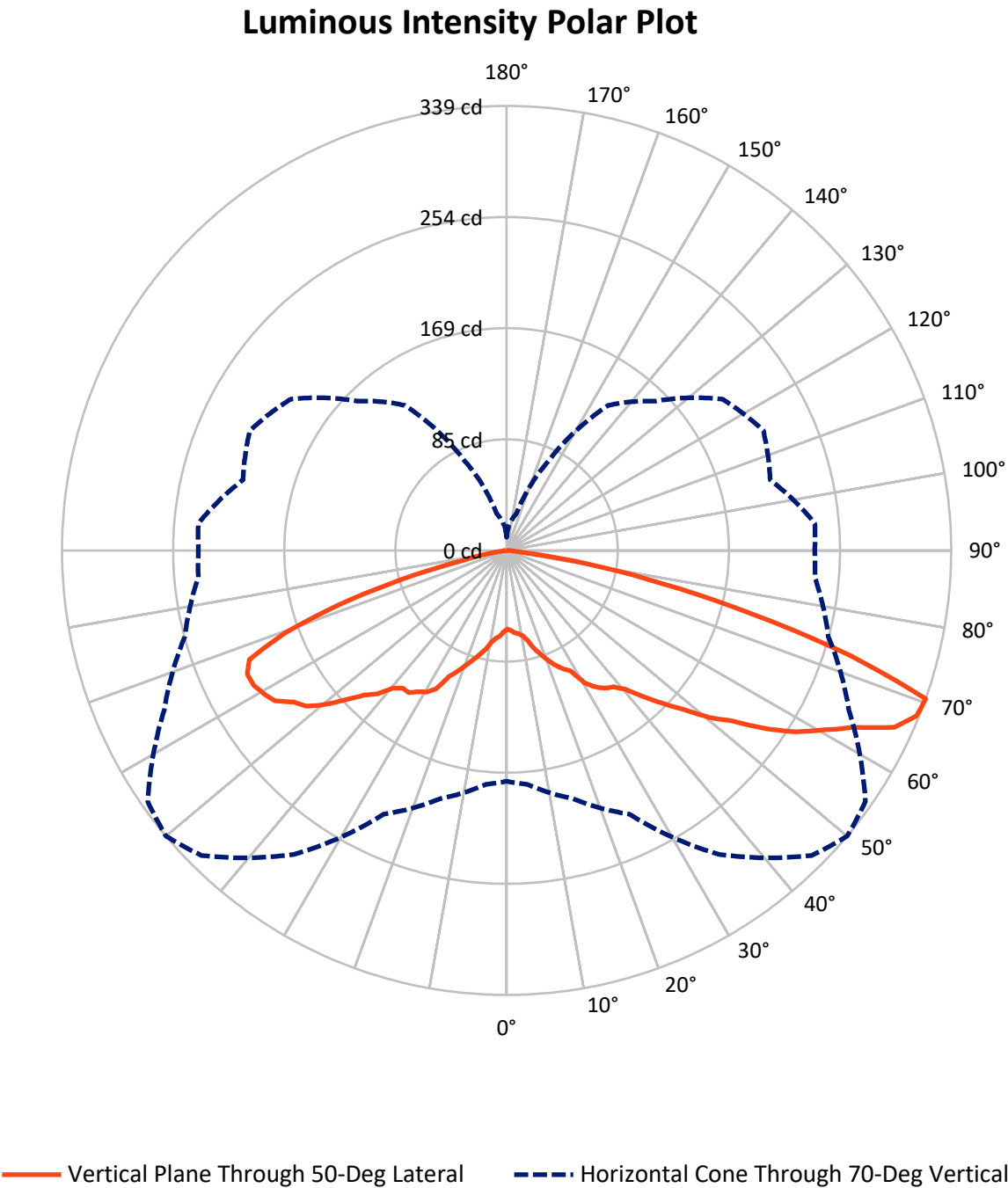


REPORT NUMBER: P#
CATALOG NUMBER: ARCH2-30-AMB-U-5WQ-PFS



Based on 25 foot mounting height. Maximum calculated value = 0.1 fc
Type IV - Short - N/A

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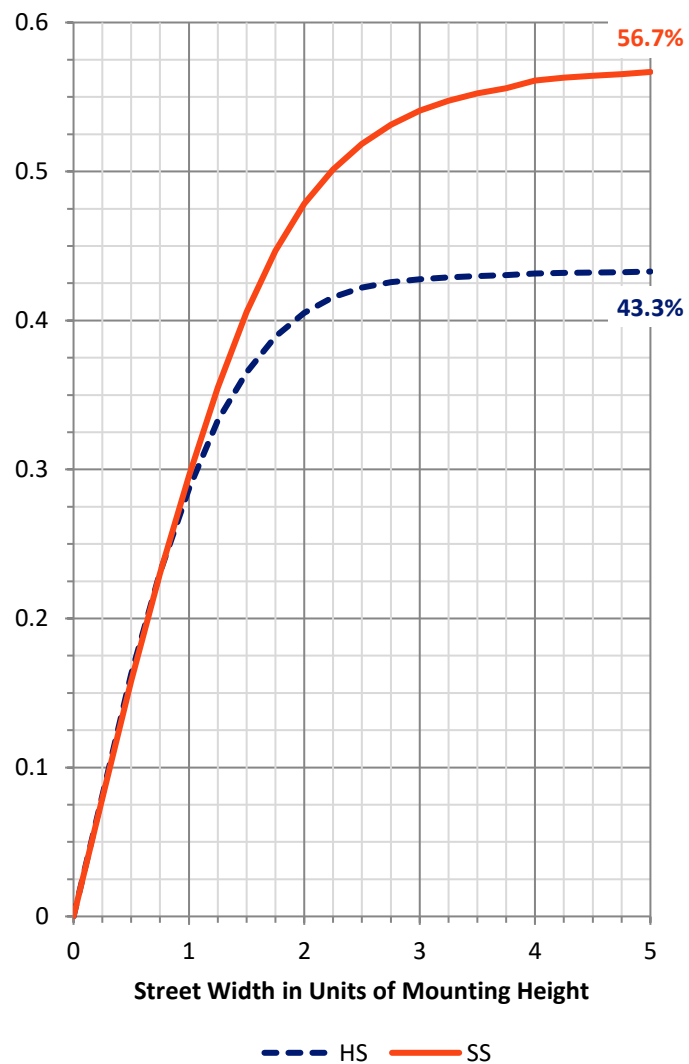
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	352.2	0.0	352.2
	% Fixture	43.4	0.0	43.4
Street Side	Lumens	459.8	0.0	459.8
	% Fixture	56.6	0.0	56.6
Total	Lumens	812.1	0.0	812.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.8
10°-20°	23.1	2.8
20°-30°	46.4	5.7
30°-40°	78.1	9.6
40°-50°	128.8	15.9
50°-60°	189.2	23.3
60°-70°	223.3	27.5
70°-80°	111.0	13.7
80°-90°	5.9	0.7
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°	812.1	100.0
0°-180°	812.1	100.0

Coefficient of Utilization



REPORT NUMBER: P#

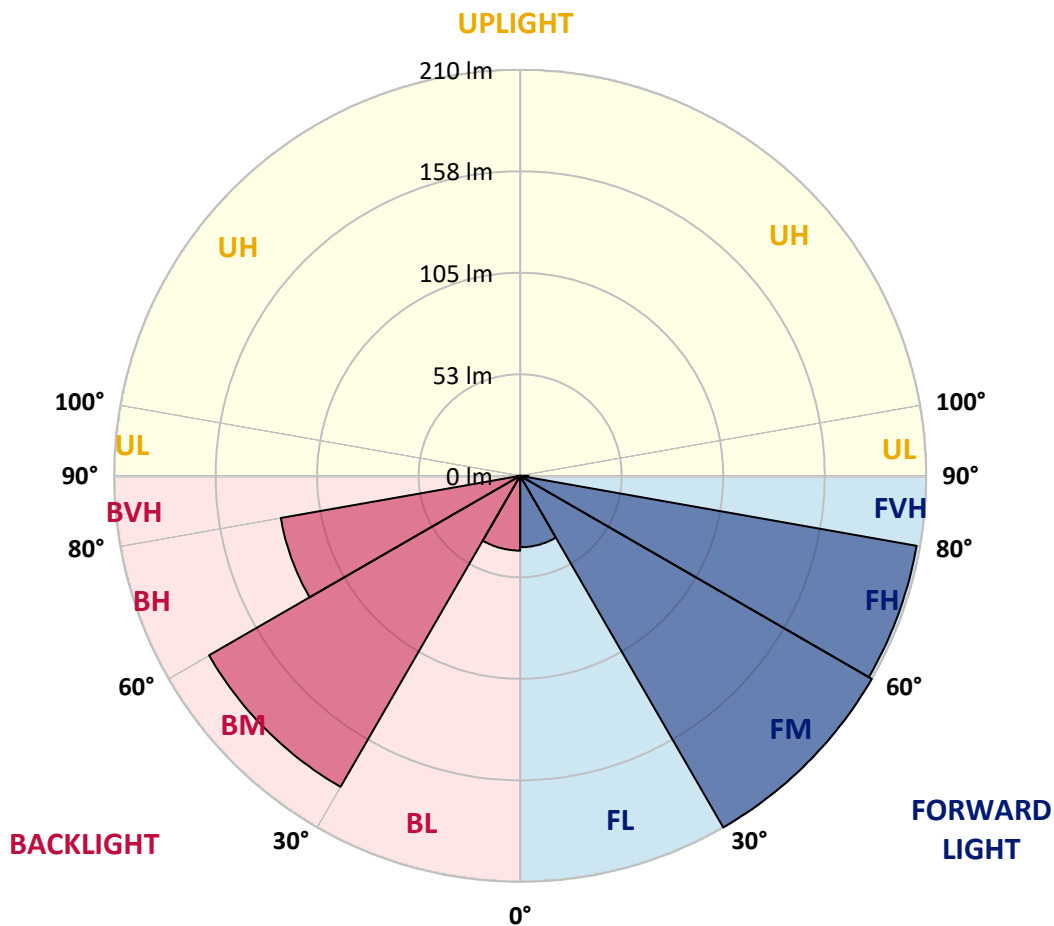
CATALOG NUMBER: ARCH2-30-AMB-U-5WQ-PFS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.0	4.6			
FM	(30°-60°)	210.2	25.9			
FH	(60°-80°)	208.4	25.7			G0/660
FVH	(80°-90°)	4.2	0.5			G0/10
BL	(0°-30°)	38.7	4.8	B0/110		
BM	(30°-60°)	186.0	22.9	B0/220		
BH	(60°-80°)	125.9	15.5	B1/500		G1/500
BVH	(80°-90°)	1.7	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



REPORT NUMBER: P#

CATALOG NUMBER: ARCH2-30-AMB-U-5WQ-PFS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	61.0	61.0	61.0	61.0	61.0	60.0	61.0	61.0	61.0	61.0	61.0
5°	63.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	62.0	63.0
7.5°	62.0	62.0	63.0	64.0	64.0	64.0	64.0	64.0	63.0	63.0	63.0
10°	63.0	63.0	63.0	64.0	65.0	66.0	66.0	65.0	64.0	64.0	65.0
12.5°	66.0	66.0	67.0	67.0	69.0	70.0	70.0	70.0	69.0	70.0	71.0
15°	73.0	74.0	74.0	75.0	76.0	76.0	77.0	77.0	78.0	80.0	82.0
17.5°	85.0	86.0	84.0	82.0	83.0	83.0	83.0	83.0	86.0	89.0	90.0
20°	94.0	94.0	92.0	89.0	88.0	89.0	89.0	89.0	92.0	94.0	94.0
22.5°	96.0	96.0	97.0	95.0	94.0	95.0	95.0	95.0	96.0	95.0	96.0
25°	99.0	99.0	99.0	99.0	99.0	100.0	100.0	99.0	97.0	96.0	97.0
27.5°	101.0	100.0	99.0	100.0	104.0	106.0	104.0	102.0	98.0	96.0	95.0
30°	99.0	99.0	102.0	107.0	116.0	118.0	117.0	115.0	107.0	101.0	96.0
32.5°	103.0	104.0	111.0	119.0	124.0	124.0	124.0	124.0	117.0	112.0	113.0
35°	121.0	120.0	117.0	123.0	127.0	128.0	129.0	128.0	124.0	121.0	125.0
37.5°	128.0	128.0	130.0	129.0	130.0	132.0	132.0	132.0	136.0	135.0	133.0
40°	135.0	135.0	142.0	143.0	137.0	137.0	139.0	143.0	149.0	149.0	150.0
42.5°	151.0	151.0	150.0	151.0	151.0	146.0	152.0	159.0	160.0	164.0	171.0
45°	170.0	168.0	162.0	161.0	160.0	164.0	166.0	170.0	176.0	181.0	188.0
47.5°	185.0	184.0	182.0	176.0	175.0	181.0	181.0	184.0	194.0	201.0	203.0
50°	203.0	202.0	198.0	194.0	196.0	194.0	200.0	207.0	207.0	215.0	219.9
52.5°	218.0	217.0	214.0	215.0	214.0	215.0	216.0	221.9	224.9	222.9	228.9
55°	220.9	220.9	226.9	230.9	236.9	238.9	239.9	240.9	236.9	234.9	226.9
57.5°	226.9	228.9	232.9	241.9	255.9	261.9	260.9	258.9	247.9	237.9	243.9
60°	235.9	232.9	233.9	250.9	272.9	282.9	277.9	271.9	253.9	253.9	255.9
62.5°	212.0	214.0	231.9	258.9	287.9	299.9	296.9	292.9	274.9	268.9	266.9
65°	201.0	202.0	212.0	249.9	304.9	327.9	324.9	319.9	291.9	281.9	283.9
67.5°	181.0	183.0	197.0	233.9	298.9	335.9	336.9	329.9	304.9	288.9	280.9
70°	176.0	179.0	196.0	221.9	282.9	328.9	338.9	333.9	287.9	253.9	235.9
72.5°	91.0	94.0	135.0	203.0	234.9	263.9	273.9	264.9	224.9	171.0	150.0
75°	66.0	68.0	80.0	133.0	208.0	199.0	193.0	175.0	157.0	126.0	122.0
77.5°	10.0	12.0	45.0	97.0	148.0	118.0	120.0	113.0	131.0	94.0	86.0
80°	7.0	7.0	9.0	33.0	58.0	77.0	64.0	38.0	22.0	23.0	18.0
82.5°	4.0	5.0	5.0	7.0	10.0	11.0	10.0	8.0	10.0	12.0	10.0
85°	2.0	2.0	3.0	3.0	4.0	4.0	5.0	5.0	6.0	7.0	6.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P#

CATALOG NUMBER: ARCH2-30-AMB-U-5WQ-PFS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
5°	63.0	63.0	64.0	65.0	65.0	66.0	65.0	65.0	65.0	64.0	64.0
7.5°	64.0	64.0	64.0	65.0	67.0	68.0	67.0	67.0	66.0	66.0	67.0
10°	66.0	66.0	67.0	69.0	70.0	72.0	72.0	71.0	71.0	70.0	70.0
12.5°	72.0	72.0	73.0	75.0	76.0	78.0	78.0	79.0	80.0	81.0	81.0
15°	82.0	81.0	80.0	80.0	81.0	83.0	83.0	85.0	89.0	90.0	90.0
17.5°	91.0	90.0	89.0	86.0	86.0	88.0	88.0	92.0	94.0	96.0	96.0
20°	95.0	94.0	95.0	93.0	92.0	94.0	95.0	97.0	97.0	97.0	97.0
22.5°	96.0	95.0	97.0	97.0	98.0	100.0	98.0	98.0	97.0	97.0	97.0
25°	97.0	96.0	96.0	98.0	104.0	107.0	101.0	97.0	96.0	95.0	95.0
27.5°	95.0	95.0	101.0	107.0	116.0	121.0	116.0	109.0	100.0	91.0	89.0
30°	97.0	99.0	110.0	118.0	123.0	125.0	124.0	113.0	103.0	99.0	100.0
32.5°	116.0	113.0	116.0	123.0	127.0	127.0	122.0	109.0	104.0	107.0	108.0
35°	127.0	127.0	132.0	130.0	132.0	131.0	119.0	116.0	117.0	110.0	108.0
37.5°	133.0	135.0	144.0	144.0	136.0	127.0	120.0	123.0	118.0	114.0	115.0
40°	151.0	150.0	152.0	154.0	148.0	124.0	129.0	122.0	122.0	126.0	129.0
42.5°	172.0	168.0	167.0	162.0	154.0	140.0	130.0	130.0	133.0	136.0	138.0
45°	189.0	187.0	185.0	177.0	160.0	149.0	138.0	139.0	143.0	145.0	148.0
47.5°	205.0	204.0	204.0	202.0	178.0	155.0	155.0	150.0	153.0	155.0	157.0
50°	221.9	220.9	222.9	222.9	192.0	169.0	166.0	164.0	157.0	153.0	154.0
52.5°	228.9	229.9	239.9	226.9	202.0	184.0	175.0	162.0	145.0	131.0	131.0
55°	228.9	234.9	247.9	226.9	205.0	193.0	173.0	147.0	133.0	128.0	130.0
57.5°	245.9	244.9	250.9	229.9	215.0	206.0	166.0	140.0	130.0	132.0	134.0
60°	255.9	257.9	265.9	229.9	230.9	199.0	166.0	145.0	136.0	129.0	127.0
62.5°	265.9	265.9	271.9	238.9	243.9	193.0	176.0	141.0	111.0	97.0	98.0
65°	283.9	284.9	267.9	246.9	234.9	203.0	182.0	116.0	85.0	77.0	76.0
67.5°	278.9	279.9	257.9	248.9	218.0	208.0	151.0	102.0	78.0	71.0	61.0
70°	234.9	235.9	208.0	216.0	201.0	161.0	135.0	75.0	29.0	19.0	10.0
72.5°	145.0	148.0	132.0	148.0	145.0	124.0	81.0	30.0	11.0	7.0	7.0
75°	121.0	120.0	97.0	100.0	98.0	70.0	51.0	23.0	11.0	5.0	5.0
77.5°	89.0	81.0	64.0	68.0	43.0	28.0	27.0	22.0	7.0	2.0	1.0
80°	16.0	15.0	14.0	15.0	16.0	18.0	9.0	6.0	1.0	0.0	0.0
82.5°	9.0	9.0	8.0	6.0	4.0	3.0	3.0	1.0	1.0	0.0	0.0
85°	5.0	5.0	5.0	4.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	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)