

ELEMENT™ 3" LED

FIXED DOWNLIGHT

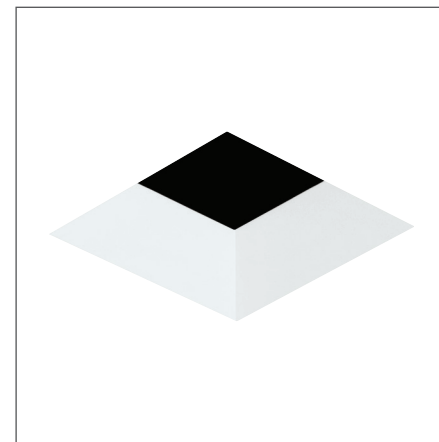


The ELEMENT 3" Next Generation Fixed recessed downlight features a patented high/low lamp positioning which allows the LED to be positioned closer to the aperture for maximum light output and efficiency or higher to minimize glare and flash on the trim. Options include premium warm dimming options, Xicato and Xicato Artist Series LED options, flanged or flangeless trim options including a flangeless wood ceiling option.

- Housing reduced by 60%
- Patented High/Low Lamp Positioning
- 2-step Standard
- Standard Triac/ELV dimming to less than 1%
- Trim Reflector Options
- Solite™ Soft Focus Lens Option

SPECIFICATIONS

						
	CITIZEN		CITIZEN WARM DIM		XICATO	
	HIGH OUTPUT	LOW OUTPUT	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES
DELIVERED LUMENS	1800 / 1450	1319 / 1124	1300	900	1129	945
WATTS	17	12	17	12	15	15
EFFICACY	106 / 85	110 / 94	76	75	75	63
CRI	80+ / 90+	80+ / 90+	90+		80+	95+
CBCP	10° - 19,414 18° - 5848 25° - 5416 40° - 3230 60° - 2305		15° - N/A 25° - N/A 40° - 1622		21° - 3184 43° - 2733 60° - 1014	
CCT OPTIONS	2700K, 3000K or 3500K		3000K-1800K Warm Dim		2700K, 3000K or 3500K***	
COLOR CONSISTENCY	2-Step					
VOLTAGE	120V or 277V					
DIMMING*	Standard phase dimming (Down to <1%") 0-10V (Down to 5%) Lutron Hi-Lume Ecosystem Fade-To-Black (Down to 0.1%) Lutron Hi-Lume 2-Wire (Down to 1%) eldoLED 0-10V or Dali (Down to 0.1%)					
POWER SUPPLY	Constant current: driver with +.9 power factor and +80% efficiency					
OPTICS	Field Changeable: 10°, 15°, 25°, 40°, 60° TIR				Field Changeable: 21°, 43°, 60° Reflector	
ADJUSTABILITY	High-low lamp positioning					
CEILING APPEARANCE	Flanged (Accommodates up to 2.5" ceiling thickness) or Flangeless					
CEILING APERTURE	3-7/8" ceiling cut-out					
HOUSING	IC Airtight, Non-IC Airtight, Chicago Plenum. IC suitable up to R60 spray foam insulation.					
CONSTRUCTION	Housing: Heavy gauge cold rolled steel Trims: Die cast aluminum					
FINISH	Housing: Black Powder Coat Trims: Antique Bronze, Black, Satin Nickel, White (paintable)					
GENERAL LISTING	ETL listed. Damp listed. Shower version wet listed.					
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2016 Title 24 Part 6 for 90 CRI versions.					
LED LIFETIME	L70; 50,000 hours					
WARRANTY**	5 years					



shown in flangeless bevel square

COLOR TEMP./CCT LUMEN MULTIPLIER

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2700K	0.95	0.80
3000K	1.00	0.85
3500K	1.05	0.90

*Lumen output will vary by CCT and CRI. See photometric charts for output information.

*See ELEMENT-lighting.com for dimmer compatibility.

**Visit ELEMENT-lighting.com for specific warranty limitations and details.

***3500K Xicato module not available for Artist series.

Data in chart reflect 3000K/80 CRI values unless noted. Output difference between CCTs ~ 5%, CRIs ~ 15%. Consult Quotes Dept for alternate or custom driver selections. Accepts two optical controls and an optional trim-mounted lens.

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techlighting.com

GRIDS

HOUSING

PRODUCT SERIES	CEILING APPEARANCE	OUTPUT	LAMP	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
E3R ELEMENT 3" ROUND	LF FLANGELESS	-LH HIGH OUTPUT, 17W	827 80 CRI, 2700K, 2-STEP	0 10°††	D DOWNLIGHT	I IC AIRTIGHT	STANDARD PHASE <1°** (LEAVE BLANK)	120 VOLT (LEAVE BLANK)
E3S ELEMENT 3" SQUARE	FF FLANGED	-LO LOW OUTPUT, 12W	830 80 CRI, 3000K, 2-STEP	1 18°		N NON-IC AIRTIGHT		
	WC WOOD CEILING*		835 80 CRI, 3500K, 2-STEP	2 25°		C CHICAGO PLENUM	-010 0-10V DIMMING	-277 277 VOLT
			927 90 CRI, 2700K, 2-STEP	4 40°			-ELD0 ELDOLED 0.1% 0-10V LINEAR†	
			930 90 CRI, 3000K, 2-STEP	6 60°			-ELD0A ELDOLED 0.1% 0-10V LOGARITHMIC†	
			935 90 CRI, 3500K, 2-STEP				-ELD1 ELDOLED 1% 0-10V LINEAR†	
			WD 90 CRI, 3000-1800K, WARM DIM, 3-STEP				-ELD1A ELDOLED 1% 0-10V LOGARITHMIC†	
							-ELDD ELDOLED 0.1% DALI†	
		-X XICATO, HIGH OUTPUT, 14W	I27 80 CRI, 2700K, 1X2-STEP, XICATO	21 21° XICATO			-HL2W LUTRON HI-LUME 1% 2 WIRE†‡	
			I30 80 CRI, 3000K, 1X2-STEP, XICATO	43 43° XICATO			-HLECO LUTRON HI-LUME 0.1% ECO-SYSTEM FADE-TO-BLACK	
			I35 80 CRI, 3500K, 1X2-STEP, XICATO	60 60° XICATO				
			A27 95 CRI, 2700K, 1X2-STEP, XICATO ARTIST					
			A30 95 CRI, 3000K, 1X2-STEP, XICATO ARTIST					

TRIMS ARE REQUIRED AND MUST BE ORDERED SEPARATELY.

*WOOD CEILING OPTION ACCOMMODATES FLANGELESS TRIMS ONLY.

**SEE DIMMING COMPATIBILITY CHART.

†HI-LUME HL2W & ELDOLED DRIVERS NOT COMPATIBLE WITH ROUND FLANGELESS (E3RLF) OR ROUND WOOD CEILING (E3RWC) HOUSINGS.

††NOTE: 10° OPTIC HAS A UNIQUE LED MODULE NOT AVAILABLE WITH WARM DIM. CHANGING OPTICS TO 18°, 25°, 40° OR 60°, WILL REQUIRE A NEW LED MODULE.

‡HL2W - TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120V ONLY.

TRIM

PRODUCT SERIES	CEILING APPEARANCE	STYLE	APERTURE	FINISH
E3R ELEMENT 3" ROUND	L FLANGELESS	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
E3S ELEMENT 3" SQUARE	F FLANGED UP TO 1" CEILING THICKNESS	F FLAT	-H SHOWER	B BLACK
	F15 FLANGED 1.1"-1.5" CEILING THICKNESS		-L LENSED	S SATIN NICKEL
	F20 FLANGED 1.6"-2.0" CEILING THICKNESS			W WHITE
	F25 FLANGED 2.1"-2.5" CEILING THICKNESS			

WOOD CEILING OPTION ACCOMMODATES FLANGELESS TRIMS ONLY.

REPLACEMENT OPTICS

	BEAM SPREAD
353E4LED COPT	18 18°
	25 25°
	40 40°
	60 60°

353E4LEDCOPT

REPLACEMENT REFLECTORS*

	BEAM SPREAD
352LEDX REF	21 21°
	43 43°
	60 60°

352LEDXREF

*FOR USE WITH XICATO MODULES ONLY.

PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES



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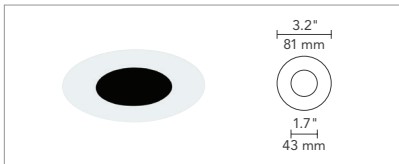
TECH LIGHTING
VISUAL COMFORT GROUP
7400 Linder Avenue, Skokie, Illinois 60077
T 847.410.4400 F 847.410.4500

TRIMS

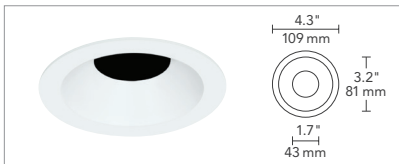
ROUND



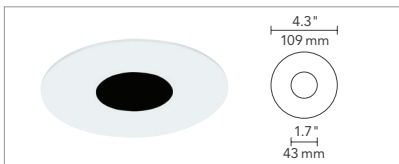
FLANGELESS BEVEL



FLANGELESS FLAT

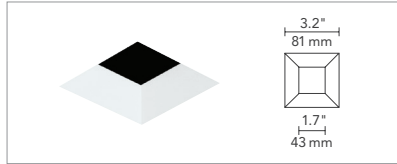


FLANGED BEVEL

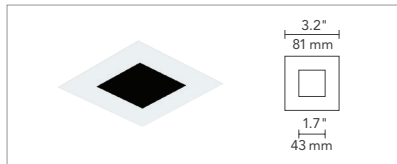


FLANGED FLAT

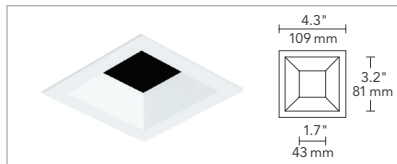
SQUARE



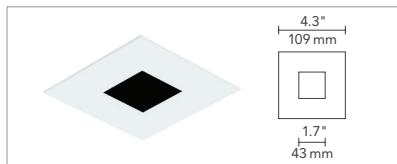
FLANGELESS BEVEL



FLANGELESS FLAT



FLANGED BEVEL



FLANGED FLAT

FINISH



ANTIQUE BRONZE



BLACK

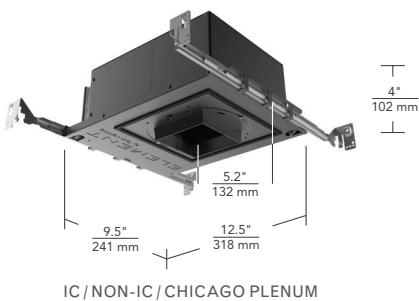


SATIN NICKEL



WHITE (PAINTABLE)

3" HOUSING



ELEMENT™ 3" LED

FIXED DOWNLIGHT



ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. Available finishes include Anodized Gold for a decorative accent, or Anodized Black for a truly silent ceiling look. These beautiful trim accessories have been specifically designed to minimize any effect on light performance, color, and output. Specular Reflectors are available for both Adjustable and Fixed downlights, and are compatible with ELEMENT 3" trims and housings.

- Can be easily installed or removed
- Mounts to existing trim
- Compatible with Fixed and Adjustable Housings
- Finish Options: Anodized Gold (G), Anodized Black (B) or Anodized Silver (S)

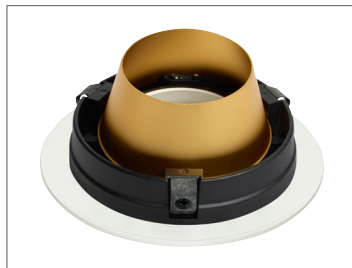


shown in black (Reflector only)

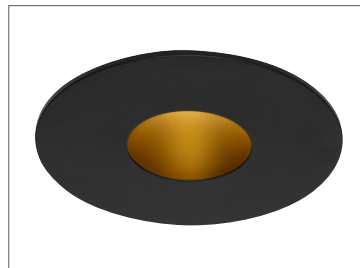
SPECIFICATIONS

		NON-SLOTTED (FOR FIXED HOUSINGS)						SLOTTED (FOR ADJUSTABLE HOUSINGS)					
COMPATIBLE TRIMS	TRIM DESCRIPTION	E3TREFNS1 (B, G, S)	E3TREFNS2 (B, G, S)	E3TREFNS3 (B, G, S)	E3TREFNS4 (B, G, S)	E3TREFNS5 (B, G, S)	E3TREFNS6 (B, G, S)	E3TREFS1 (B, G, S)	E3TREFS2 (B, G, S)	E3TREFS3 (B, G, S)	E3TREFS4 (B, G, S)	E3TREFS5 (B, G, S)	E3TREFS6 (B, G, S)
E3RFB	3", ROUND, BEVEL, FLANGED	•									•		
E3RFF	3", ROUND, FLAT, FLANGED	•									•		
E3SFB	3", SQUARE, BEVEL, FLANGED					•		•					
E3SFF	3", SQUARE, FLAT, FLANGED			•					•				
E3RLB	3", ROUND, BEVEL, FLANGELESS		•										•
E3RLF	3", ROUND, FLAT, FLANGELESS				•					•			
E3SLB	3", SQUARE, BEVEL, FLANGELESS						•					•	
E3SLF	3", SQUARE, FLAT, FLANGELESS			•					•				

Only compatible with ELEMENT 3" LED series. Not compatible with LED Fixed Remodel, LED Adjustable Low-Profile. Compatible with LED Ultra Shallow (Flat Trims only), and LED Fixed Low-Profile (Flat Trims only). May require lamp to be placed in High position. Not compatible with lensed trims.



shown in gold (trim mounted)



shown in gold (below ceiling view)



shown in silver (below ceiling view)

GRIDS

E3 TRIM MOUNTED REFLECTORS*

PRODUCT SERIES	STYLE	FINISH
E3TREF	NS1 NON-SLOTTED	B ANODIZED BLACK
	NS2 NON-SLOTTED	G ANODIZED GOLD
	NS3 NON-SLOTTED	S ANODIZED SILVER
	NS4 NON-SLOTTED	
	NS5 NON-SLOTTED	
	NS6 NON-SLOTTED	
	S1 SLOTTED	
	S2 SLOTTED	
	S3 SLOTTED	
	S4 SLOTTED	
	S5 SLOTTED	
	S6 SLOTTED	

E3TREF

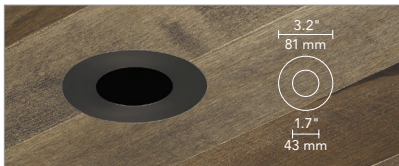
*NOT COMPATIBLE WITH LENSED TRIMS.

WOOD CEILING FLANGELESS OPTIONS / FLANGELESS TRIMS

ROUND



FLANGELESS BEVEL (ANTIQUE BRONZE)



FLANGELESS FLAT (ANTIQUE BRONZE)

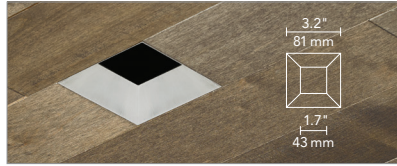


FLANGELESS BEVEL (SATIN NICKEL)



FLANGELESS FLAT (SATIN NICKEL)

SQUARE



FLANGELESS BEVEL (ANTIQUE BRONZE)



FLANGELESS FLAT (ANTIQUE BRONZE)



FLANGELESS BEVEL (SATIN NICKEL)



FLANGELESS FLAT (SATIN NICKEL)

FINISH



ANTIQUE BRONZE



BLACK

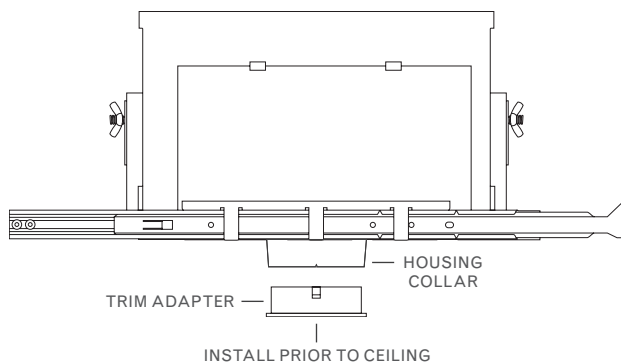


SATIN NICKEL

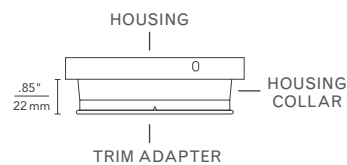


WHITE (PAINTABLE)

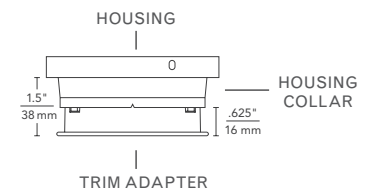
ADJUSTABLE TRIM ADAPTER



TRIM ADAPTER INSTALLED



ADAPTER FLUSH



ADAPTER EXTENDED

Wood ceiling housings ("WC" designation in the ordering grid) ship with an adjustable trim adapter that inserts into the housing aperture and allows standard ELEMENT 3" flangeless trims to achieve a truly flangeless, flush ceiling appearance in special applications such as wood or stone installation. For use in new construction.

Consult installation instructions regarding plenum requirements and ceiling thickness ratios.

ELEMENT™ 3" LED

FIXED DOWNLIGHT

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PHOTOMETRICS: 3" LED

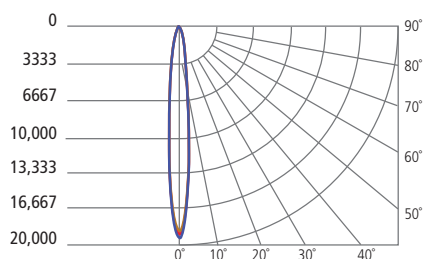
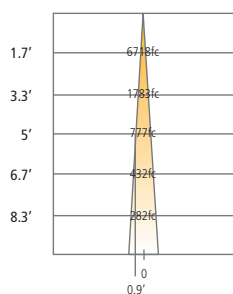
DESCRIPTION: 3" LED Module
10° Beam - 0° Tilt, 80 CRI, 3000K

MODEL: E3 Citizen LED

INPUT POWER (WATTS): 16.3
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1337
LUMEN EFFICACY (LUMENS PER WATT): 82

Output difference between CCTs ~ 5%, CRIs ~ 15%.

ANGLE	0°	45°	90°
0°	19414	19414	19414
5°	10254	10254	10254
10°	3511	3511	3511
15°	1342	1342	1342
20°	383	383	383
25°	126	126	126
30°	84	84	84
35°	54	54	54
40°	31	31	31
45°	22	22	22
50°	18	18	18
55°	11	11	11
60°	6	6	6
65°	3	3	3
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

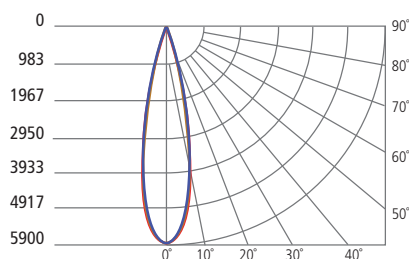
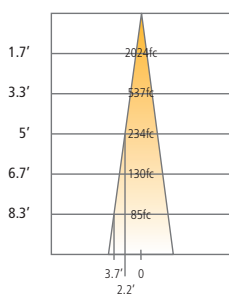


DESCRIPTION: 3" LED Module
18° Beam - 0° Tilt, 80 CRI, 3000K

MODEL: E3 Citizen LED

INPUT POWER (WATTS): 18.1
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1598
LUMEN EFFICACY (LUMENS PER WATT): 88.1

ANGLE	0°	45°	90°
0°	5848	5848	5848
5°	5500	5478	5491
10°	3919	3944	3905
15°	2103	2212	2149
20°	1058	1199	1075
25°	507	548	508
30°	250	237	250
35°	148	140	141
40°	93	98	94
45°	51	69	61
50°	33	46	37
55°	21	27	24
60°	4	15	10
65°	2	3	2
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

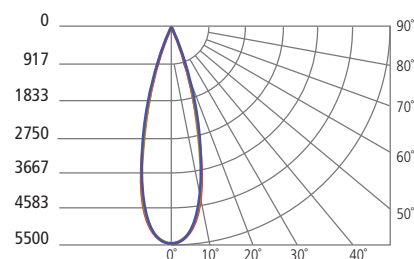
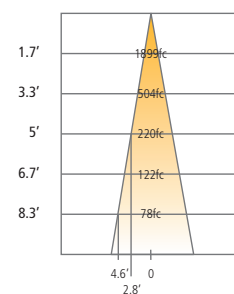


DESCRIPTION: 3" LED Module
25° Beam - 0° Tilt, 80 CRI, 3000K

MODEL: E3 Citizen LED

INPUT POWER (WATTS): 18.3
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1754
LUMEN EFFICACY (LUMENS PER WATT): 95.5

ANGLE	0°	45°	90°
0°	5422	5416	5427
5°	4916	4872	4888
10°	3800	3718	3721
15°	2040	2115	2016
20°	870	979	900
25°	400	441	414
30°	190	190	196
35°	103	103	105
40°	60	65	61
45°	27	43	31
50°	16	25	17
55°	7	12	7
60°	2	5	2
65°	2	2	2
70°	1	1	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



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PHOTOMETRICS: 3" LED

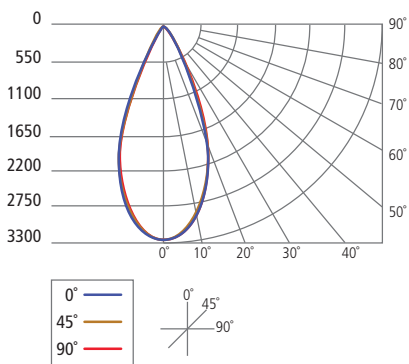
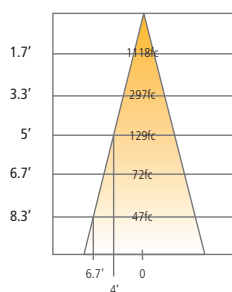
DESCRIPTION: 3" LED Module
40° Beam - 0° Tilt, 80 CRI, 3000K

MODEL: E3 Citizen LED

INPUT POWER (WATTS): 16.9
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1774
LUMEN EFFICACY (LUMENS PER WATT): 104.6

Output difference between CCTs ~ 5%, CRIs ~ 15%.

ANGLE	0°	45°	90°
0°	3230	3230	3230
5°	3107	3126	3159
10°	2824	2830	2871
15°	2415	2407	2463
20°	1863	1866	1937
25°	1111	1125	1128
30°	490	521	479
35°	221	232	205
40°	115	114	110
45°	65	64	59
50°	30	38	22
55°	14	22	11
60°	6	9	4
65°	1	3	1
70°	1	1	1
75°	1	1	1
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 3" LED Module
60° Beam - 0° Tilt, 80 CRI, 3000K

MODEL: E3 Citizen LED

INPUT POWER (WATTS): 18.4
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1536
LUMEN EFFICACY (LUMENS PER WATT): 83.5

ANGLE	0°	45°	90°
0°	2305	2305	2305
5°	2313	2298	2268
10°	2295	2248	2155
15°	2219	2116	1938
20°	1964	1876	1714
25°	1548	1544	1330
30°	1113	1176	1013
35°	749	835	704
40°	450	511	428
45°	230	283	221
50°	94	140	91
55°	38	69	35
60°	18	31	16
65°	8	13	6
70°	0	4	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

