



5 INCH 9W COOL WHITE SQUARE DOWNLIGHTER

VOL-5SDL-009-CW

SECTION 1: SPECIFICATIONS

POWER	9W
VOLTAGE	85-277V
LIGHT OUTPUT	900 lm
CCT	6000-6500K (CW)
IP RATING	20
LENS	ADJUSTABLE, CLEAR
BEAM ANGLE	120°
TILT ROTATION	30°
DIMMABLE	NO
ESTIMATED LIFESPAN	25,000 HOURS
MATERIAL	IRON BASED + ALUMINUM FRAME
FITTING COLOR	WHITE
SIZE	145 x 145 x 13 mm

CERTIFICATIONS

RoHS
Compliant



SECTION 2: LIGHT SOURCE DESCRIPTION (LED CHIP)

LED TYPE	2835 SMD EPISTAR
NUMBER OF LEDS	45

SECTION 3: COMPARABLE OLDER LIGHT SOURCE

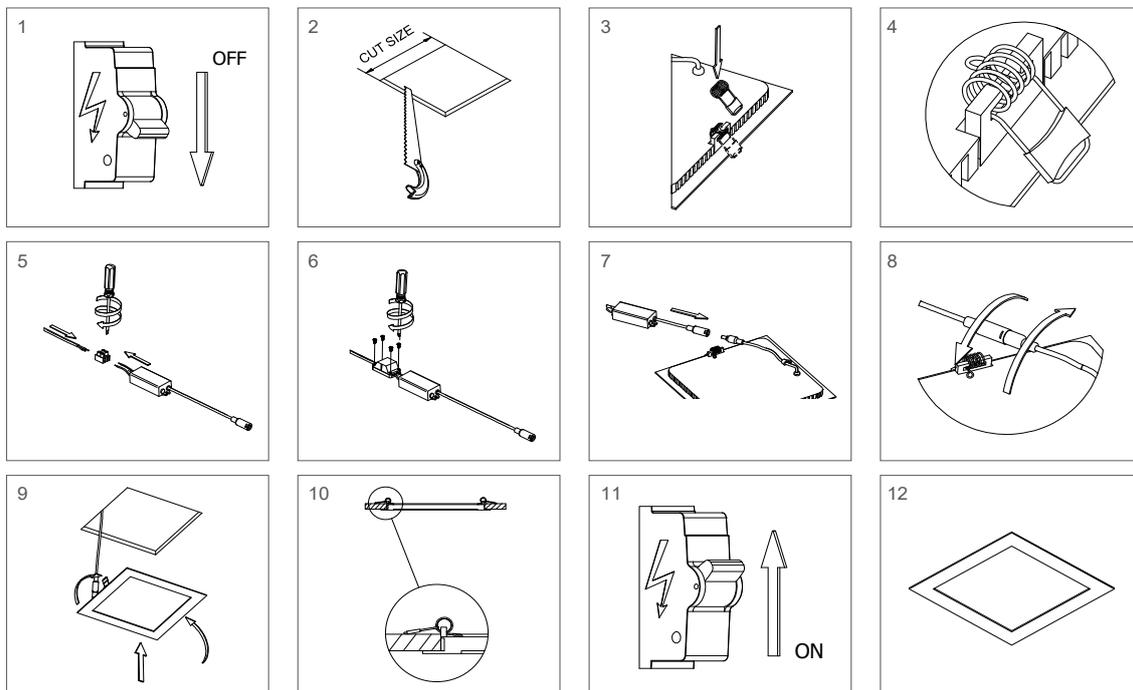
5 INCH LED DOWNLIGHT	5 INCH METAL HALIDE BULB
650 LUMENS	582 LUMENS
9 WATTS	20 WATTS
25,000 HOUR LIFESPAN	200 HOUR LIFESPAN
WITHSTANDS VOLTAGE SURGES	FILAMENT DESTROYED WITH SMALL VOLTAGE SURGES
AVAILABLE IN WARM AND COOL	ONLY AVAILABLE IN WARM

SECTION 4: INSTALLATION

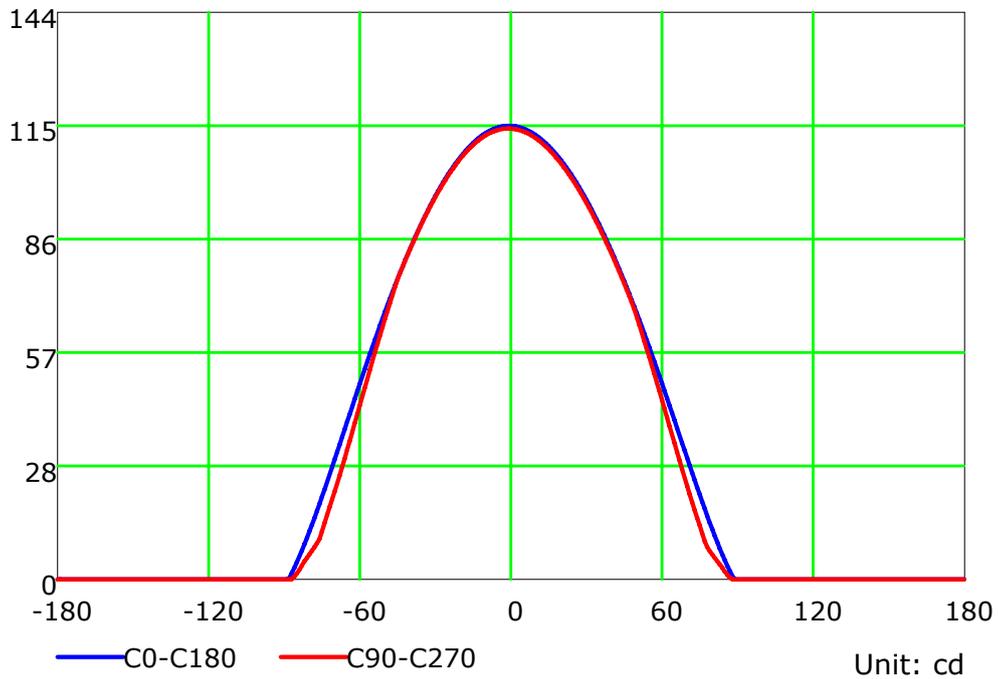
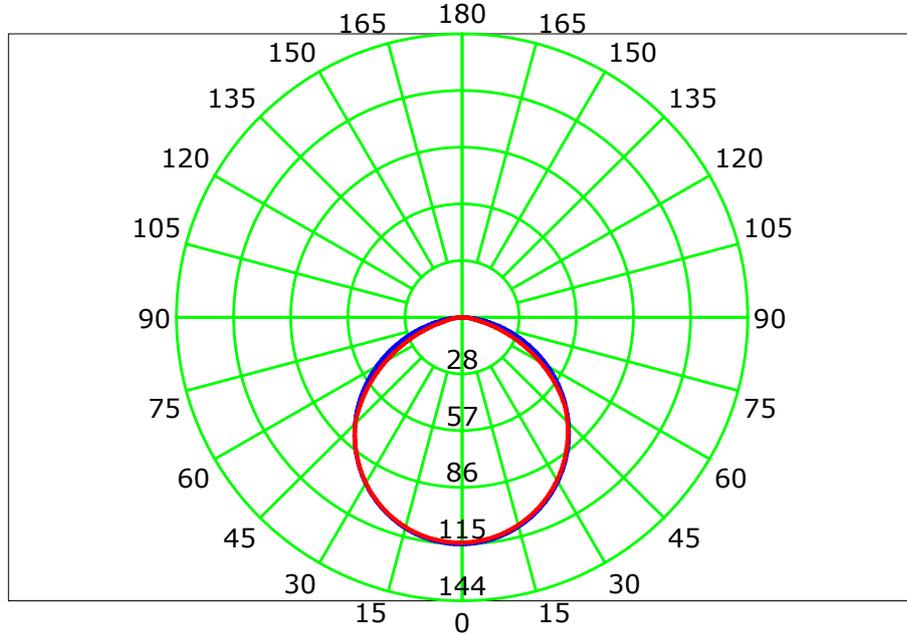
1. TURN OFF THE POWER
2. CONNECT THE COMMERCIAL POWER WITH THE INPUT OF THE MATCHED POWER SUPPLY, MAKING SURE THAT NO COPPER WARE IS EXPOSED
3. CONNECT MATCHED POWER SUPPLY AND PANEL LIGHT TOGETHER THROUGH THE PLUG.
4. FIX THE LIGHT AND POWER SUPPLY AT SUITABLE PLACE
5. TURN ON THE POWER.

NOTES: THE LIGHT SHOULD BE DRIVEN BY APPOINTED POWER SUPPLY.

APPLICATIONS: HOTEL, MEETING ROOM, OFFICE, HOSPITAL, SCHOOL AND PLACES WHERE ENERGY SAVING AND HIGH COLOR RENDERING INDEX LIGHTING IS NEEDED.



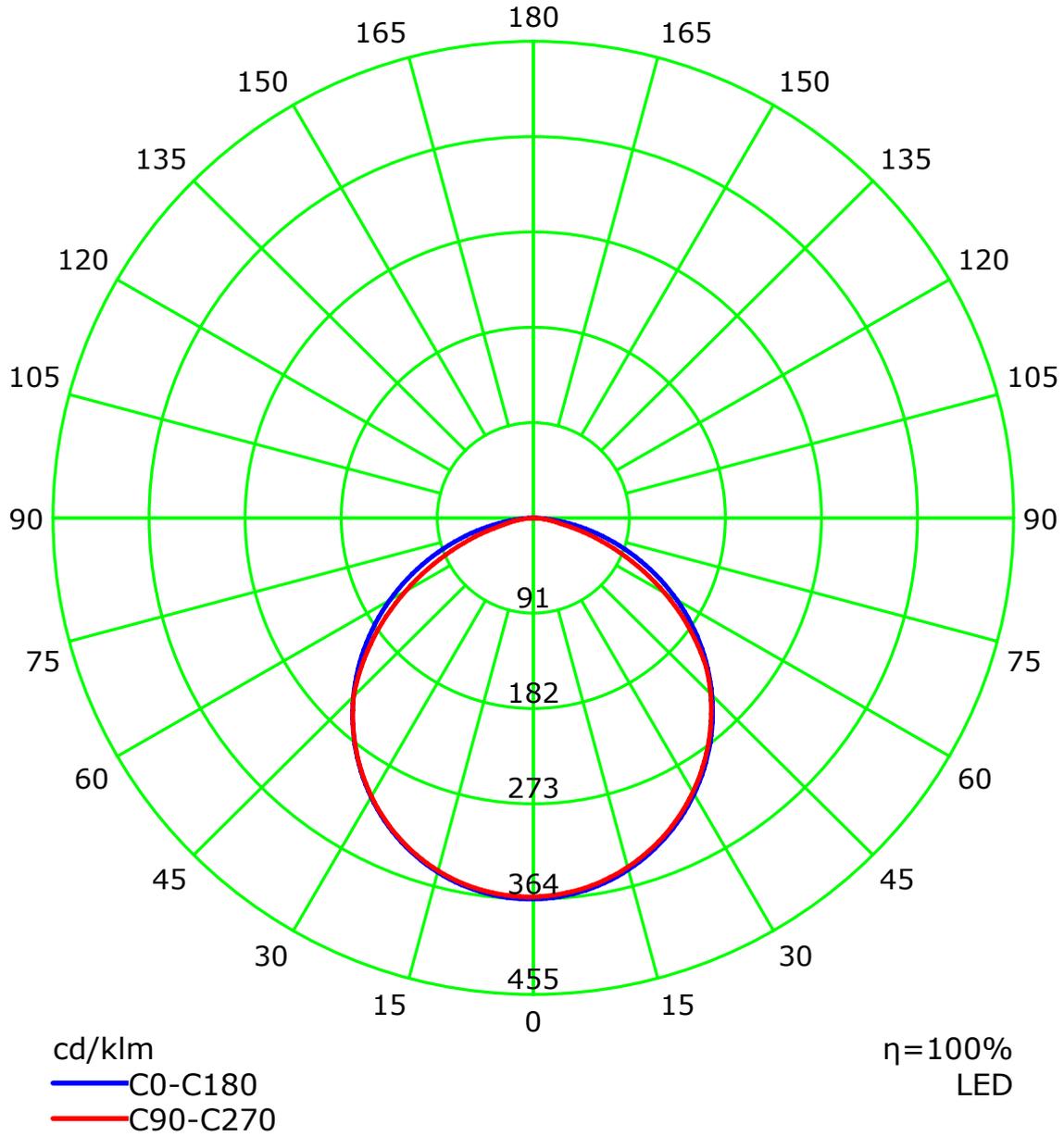
SECTION 5: LUMINOUS INTENSITY DISTRIBUTION CURVE



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 27
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 67
 Inspector:

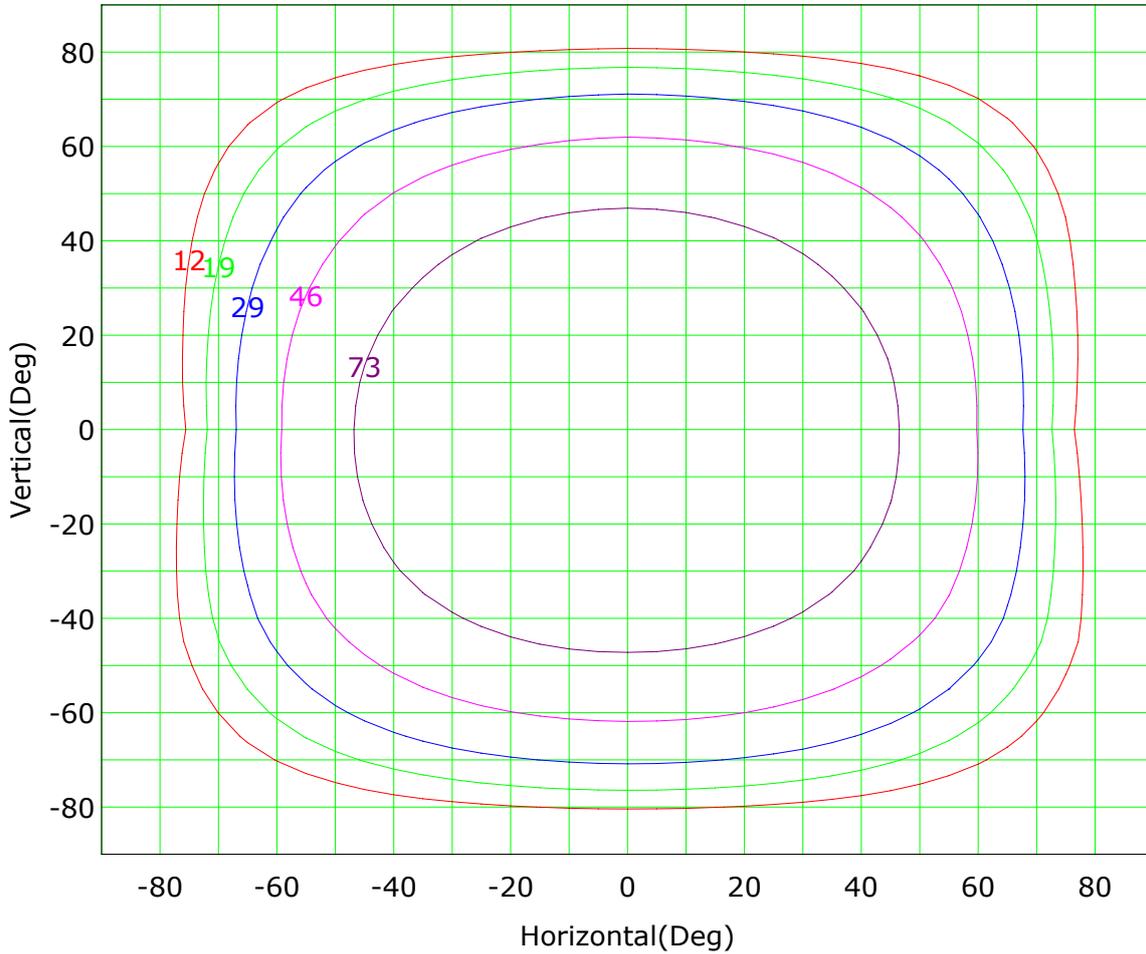
SECTION 6: LUMINOUS INTENSITY DISTRIBUTION CURVE (CD/KLM)



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 27
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 6.495 m
Humidity: 67
Inspector:

SECTION 7: ISOCANDELA (RECTANGLE)



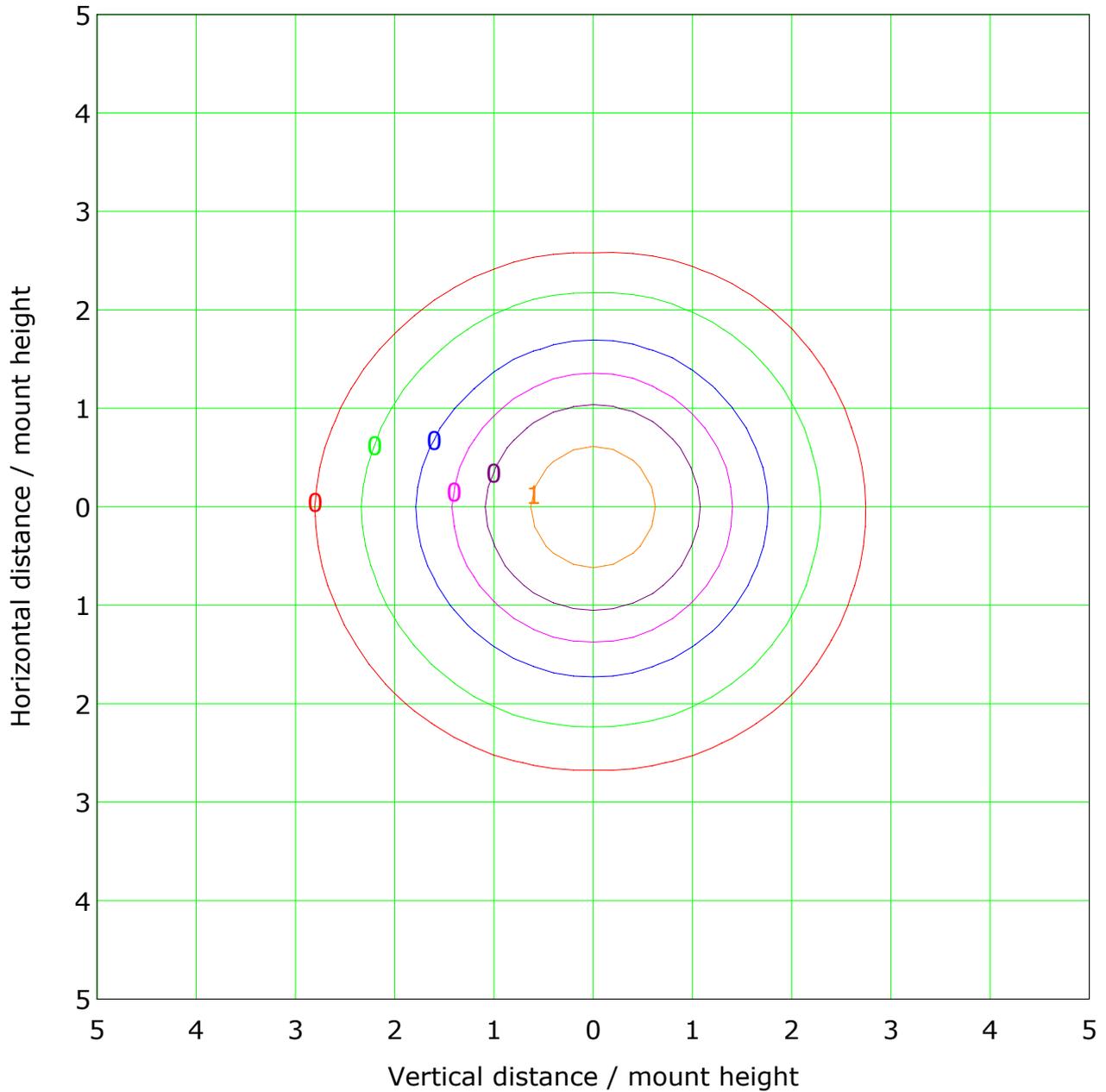
Imax (100%): 116 cd

— (10%):	12 cd	— (16%):	19 cd
— (25%):	29 cd	— (40%):	46 cd
— (63%):	73 cd	— (100%):	116 cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 27
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 6.495 m
Humidity: 67
Inspector:

SECTION 8: ISOLUX PLOT



Mounting Height: 10.0m		Max Lux(100%): 1.7 lx
— (1%):	0.0 lx	— (2%): 0.0 lx
— (5%):	0.1 lx	— (10%): 0.2 lx
— (20%):	0.3 lx	— (50%): 0.8 lx
— (100%):	1.7 lx	

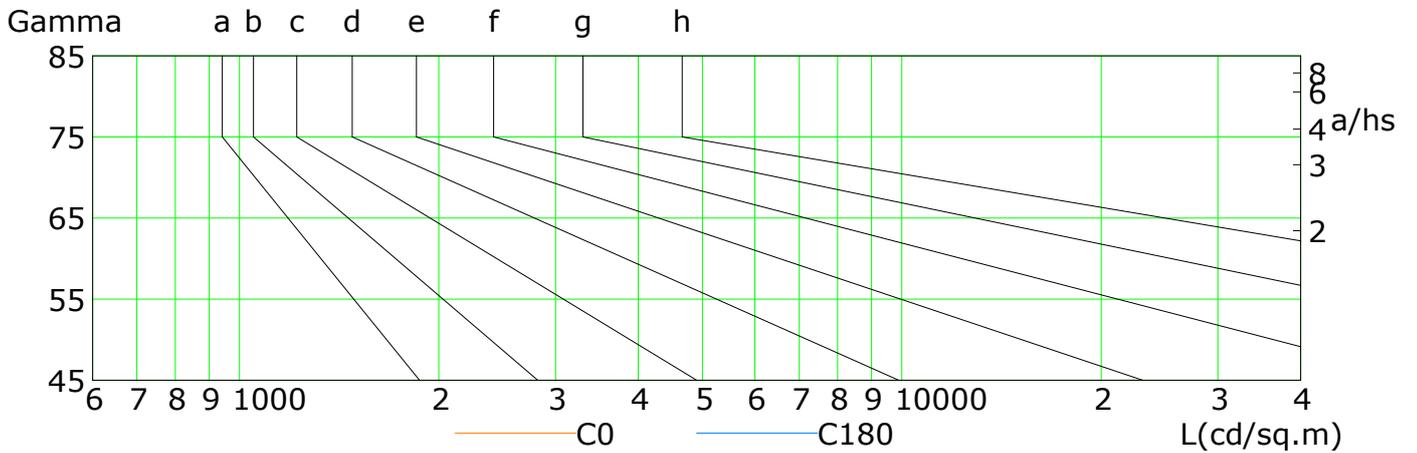
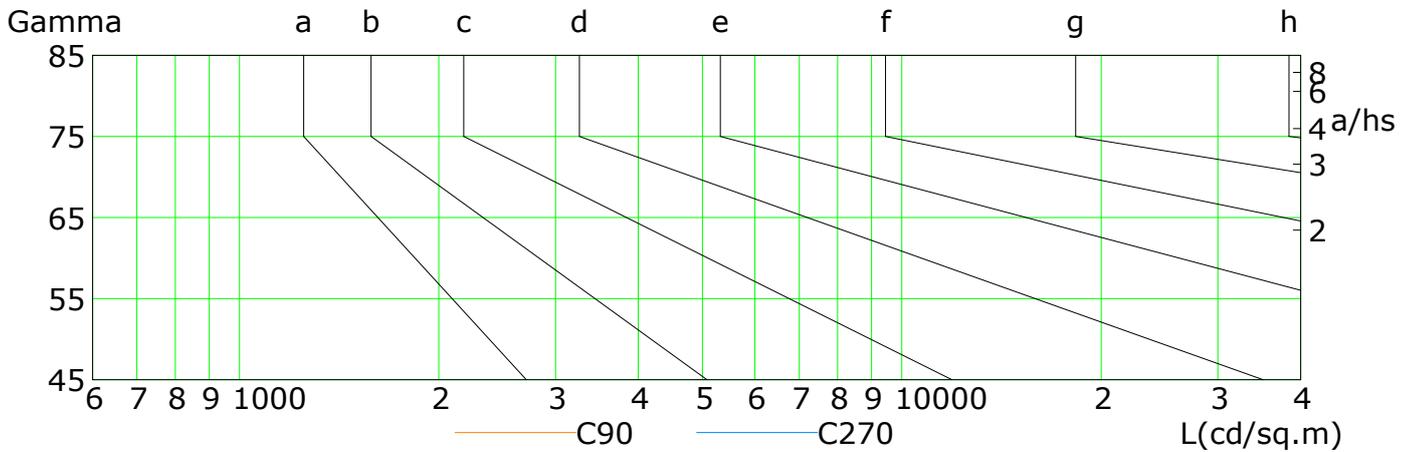
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 26.1
 Operator: Limited

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 78
 Inspector:

SECTION 9: LUM LIMIT CURVE

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

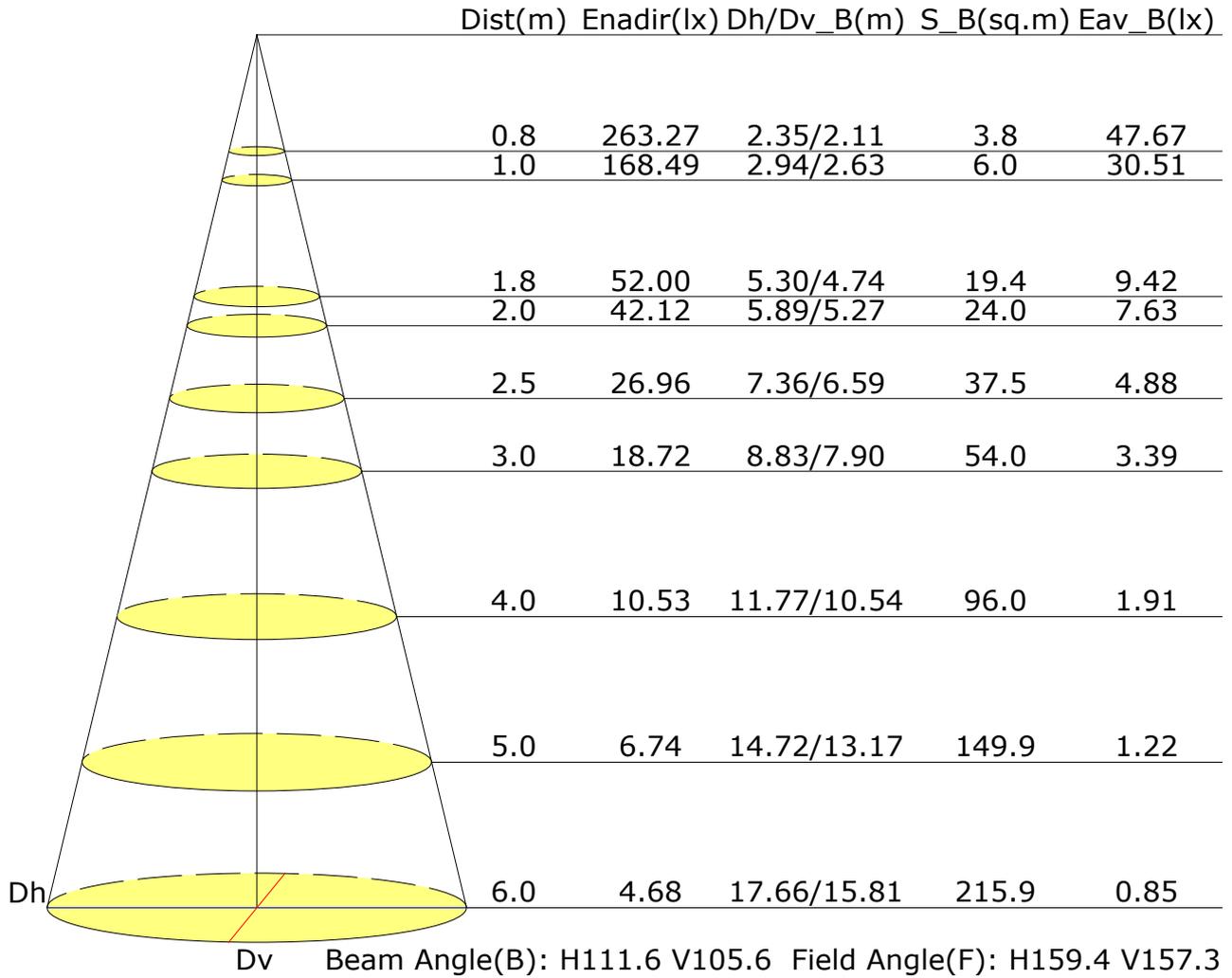


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	112	100	88	74	60	46	31	18	7
C90	105	92	79	66	52	37	25	16	6
C180	110	98	85	71	56	42	28	14	4
C270	102	89	75	61	46	32	22	12	3

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 26.1
Operator: Limited

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 6.495 m
Humidity: 78
Inspector:

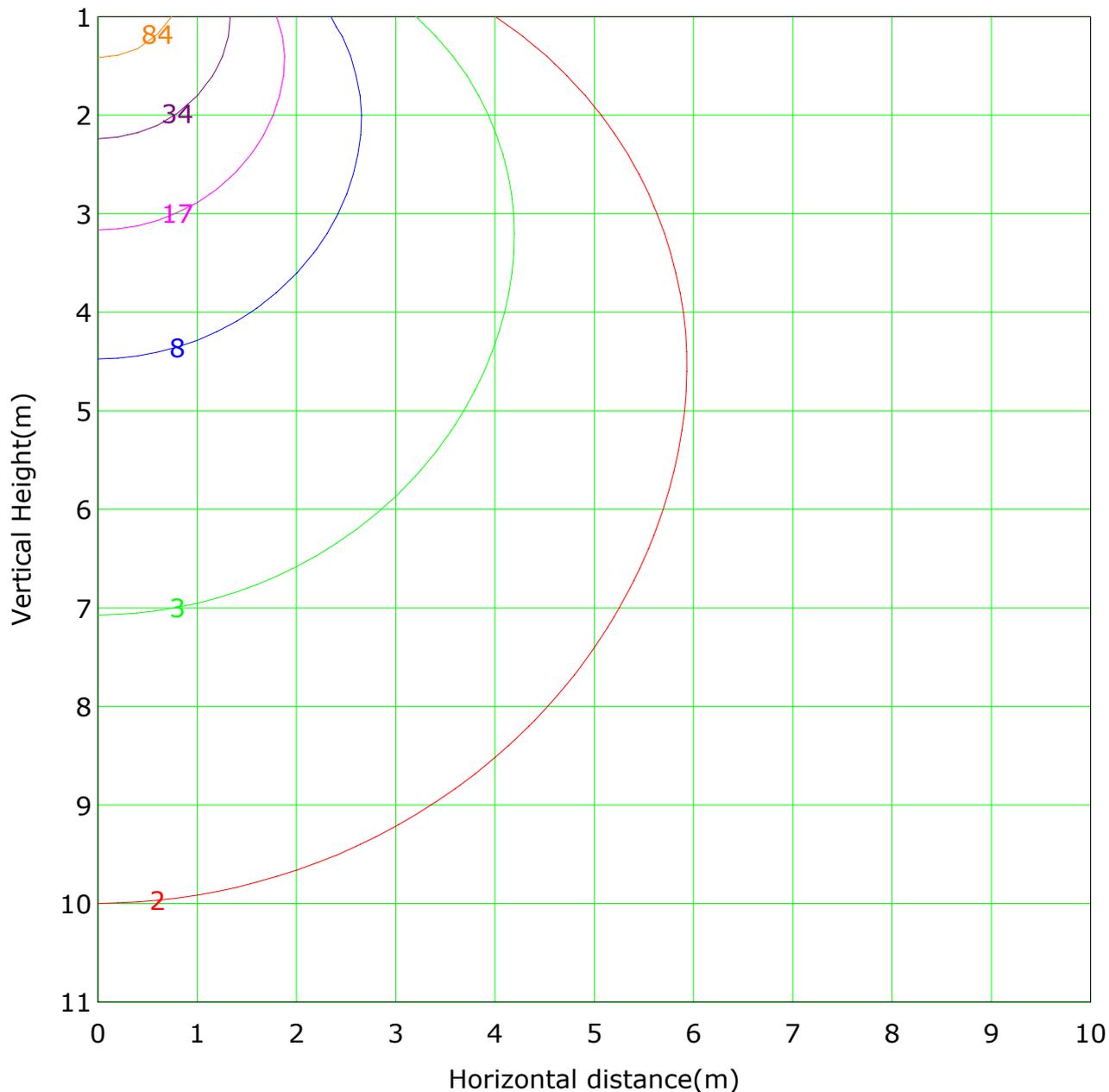
SECTION 10: ILLUMINANCE AT A DISTANCE



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 26.1
Operator: Limited

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 6.495 m
Humidity: 78
Inspector:

SECTION 11: VERTICAL ISOLUX PLOT



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 168.5 lx
— (1%): 1.7 lx	— (2%): 3.4 lx	
— (5%): 8.4 lx	— (10%): 16.8 lx	
— (20%): 33.7 lx	— (50%): 84.2 lx	
— (100%): 168.5 lx		

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 26.1
 Operator: Limited

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 78
 Inspector: