

5 INCH 9W COOL WHITE DOWNLIGHT

VOL-3DL-009-CW



SECTION 1: SPECIFICATIONS

POWER	9 W
VOLTAGE	85-277 V
MATERIAL	ALUMINUM, POLYMETHYL METHACRYLATE
LIGHT OUTPUT	650 lm
BEAM ANGLE	120°
CCT	6000-6500K (CW)
IP RATING	30
FIXTURE LIGHT SPAN	50,000 HOURS
HUE	COOL WHITE
SIZE	5 INCH

CERTIFICATIONS

RoHS
Compliant

CE

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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

650 LUMENS

9 WATT

50,000 HOUR LIFESPAN

WITHSTAND VOLTAGE SURGES

AVAILABLE IN WARM & COOL

5 INCH METAL HALIDE DOWNLIGHT

582 LUMENS

20 WATT POWER

200 HOUR LIFESPAN

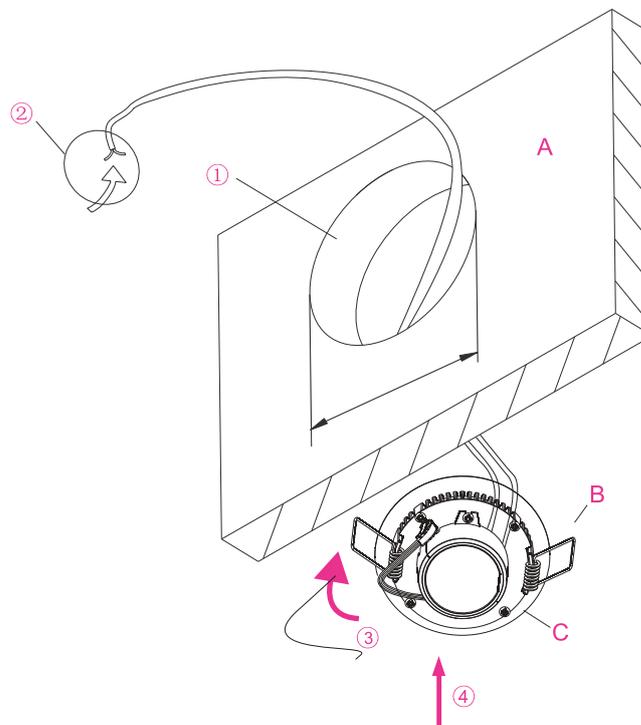
FILAMENT DESTROYED WITH SMALL VOLTAGE SURGES

ONLY AVAILABLE IN WARM

SECTION 4: INSTALLATION DETAILS

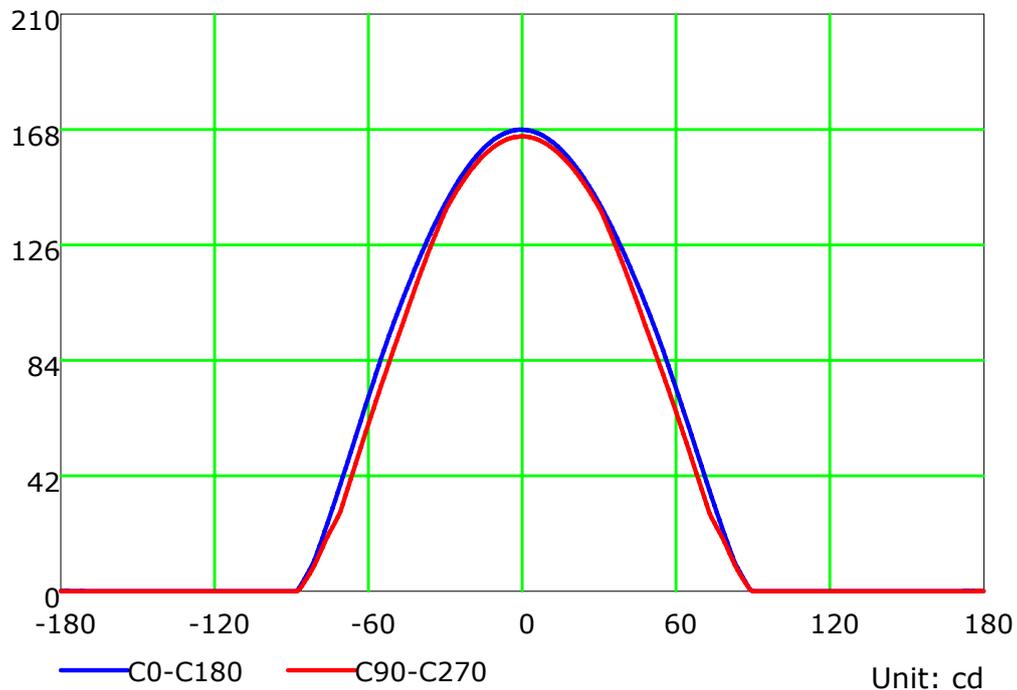
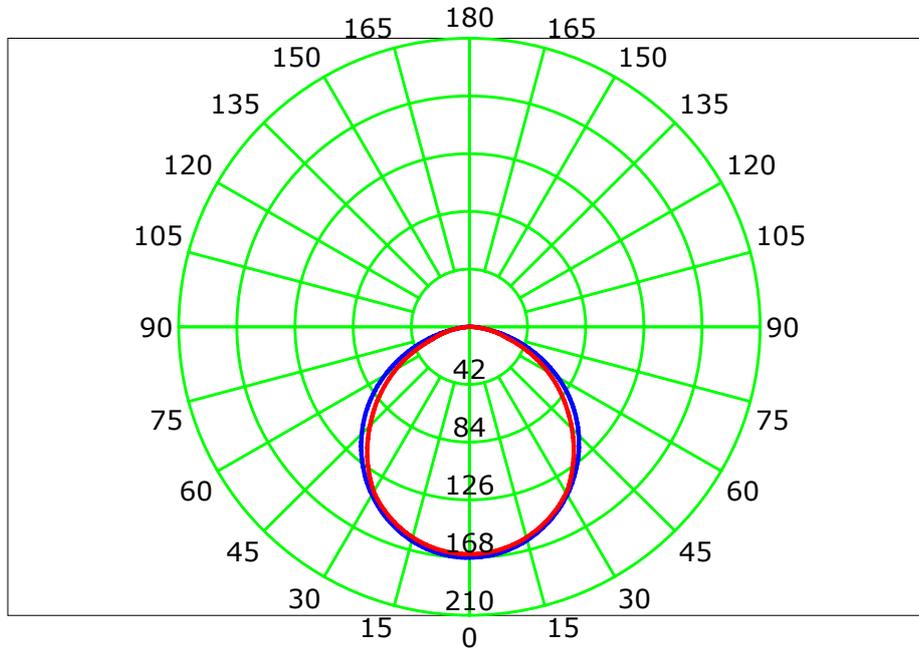
①	make a hole
②	connect the power wire
③	push spring
○	Driver

A	Wall
B	Spring
C	LED lamp
D	Driver



SECTION 5: PHOTOMETRIC DISTRIBUTION

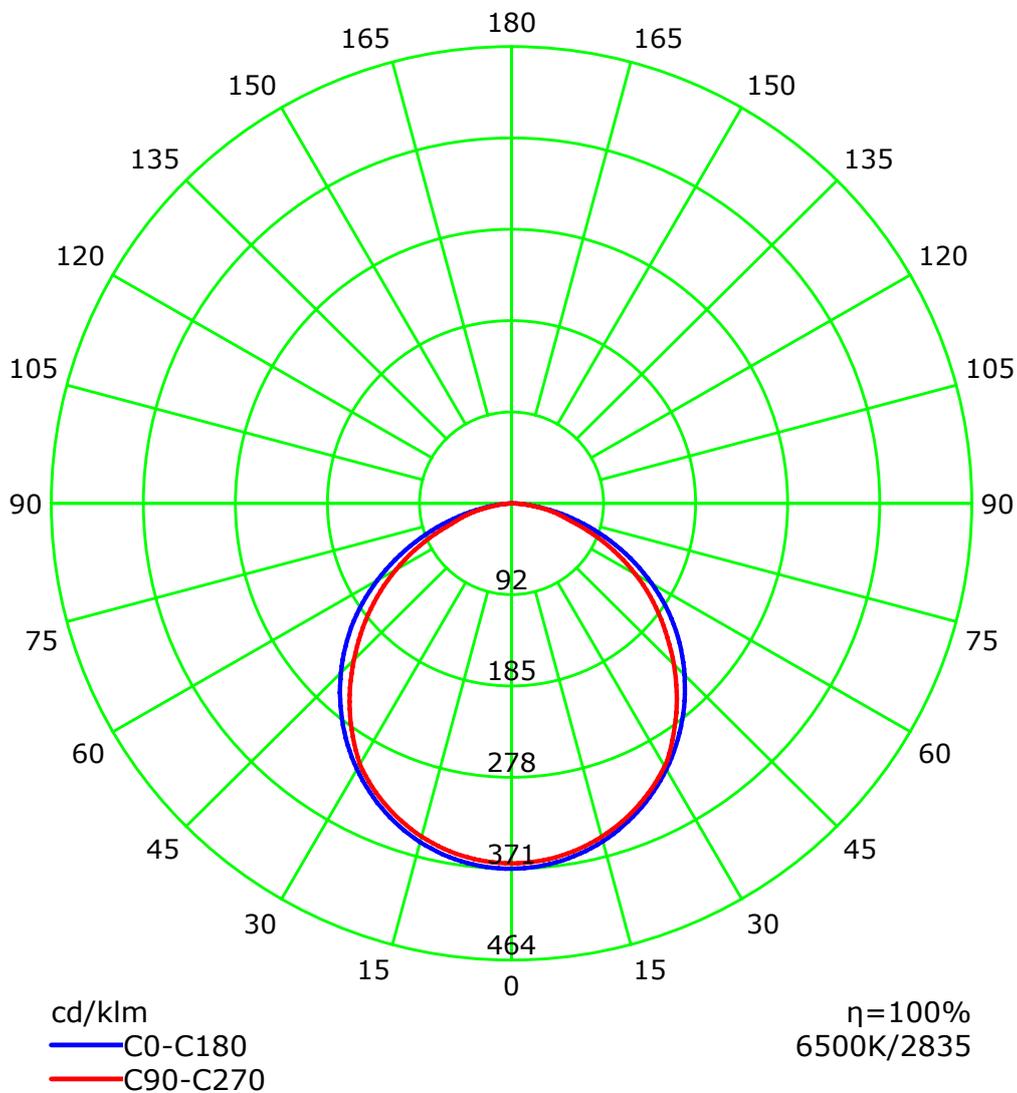
LUMINOUS INTENSITY DISTRIBUTION CURVE



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:

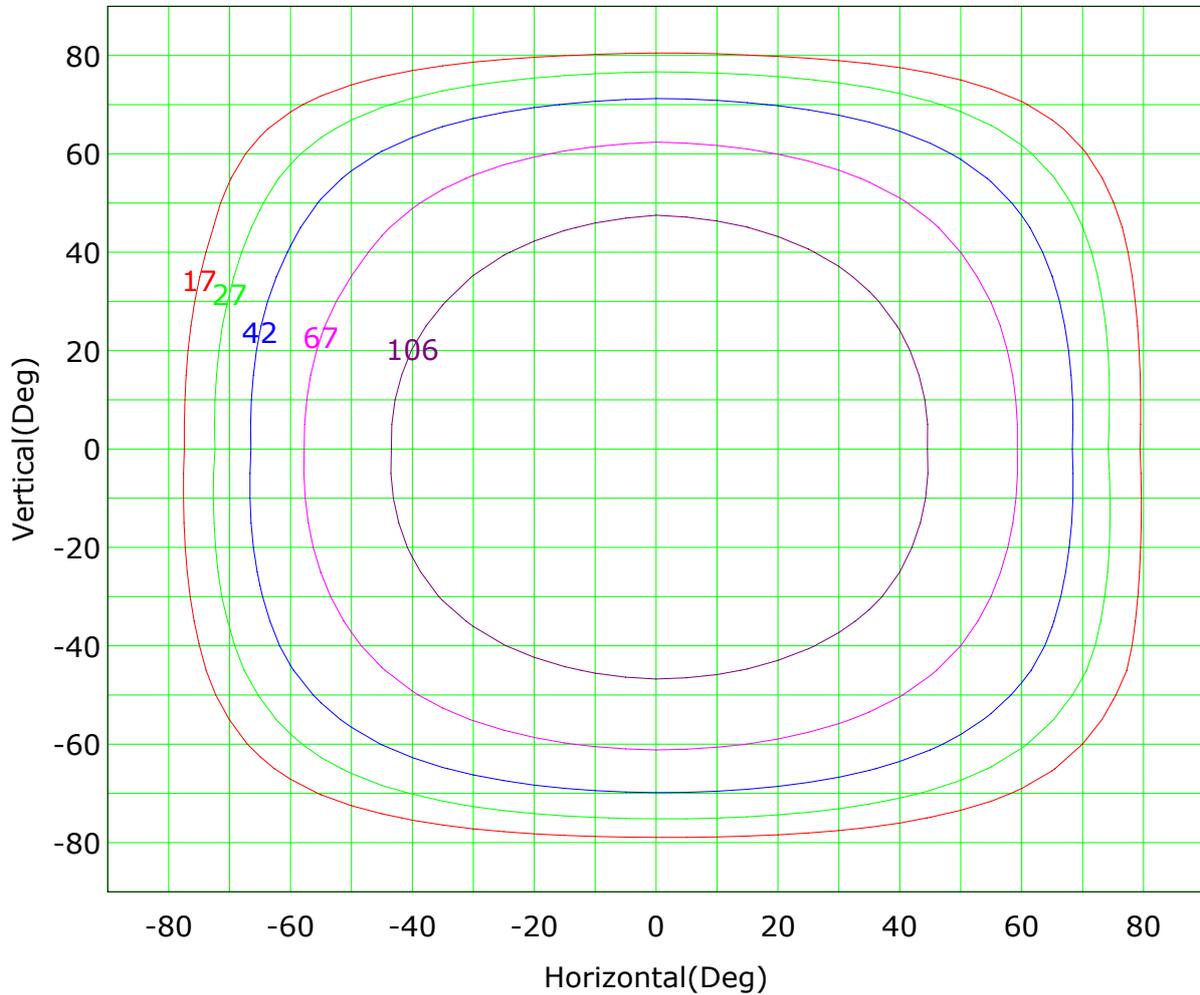
LUMINOUS INTENSITY DISTRIBUTION CURVE (CD/KLM)



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 6: ISOCANDELA DIAGRAM



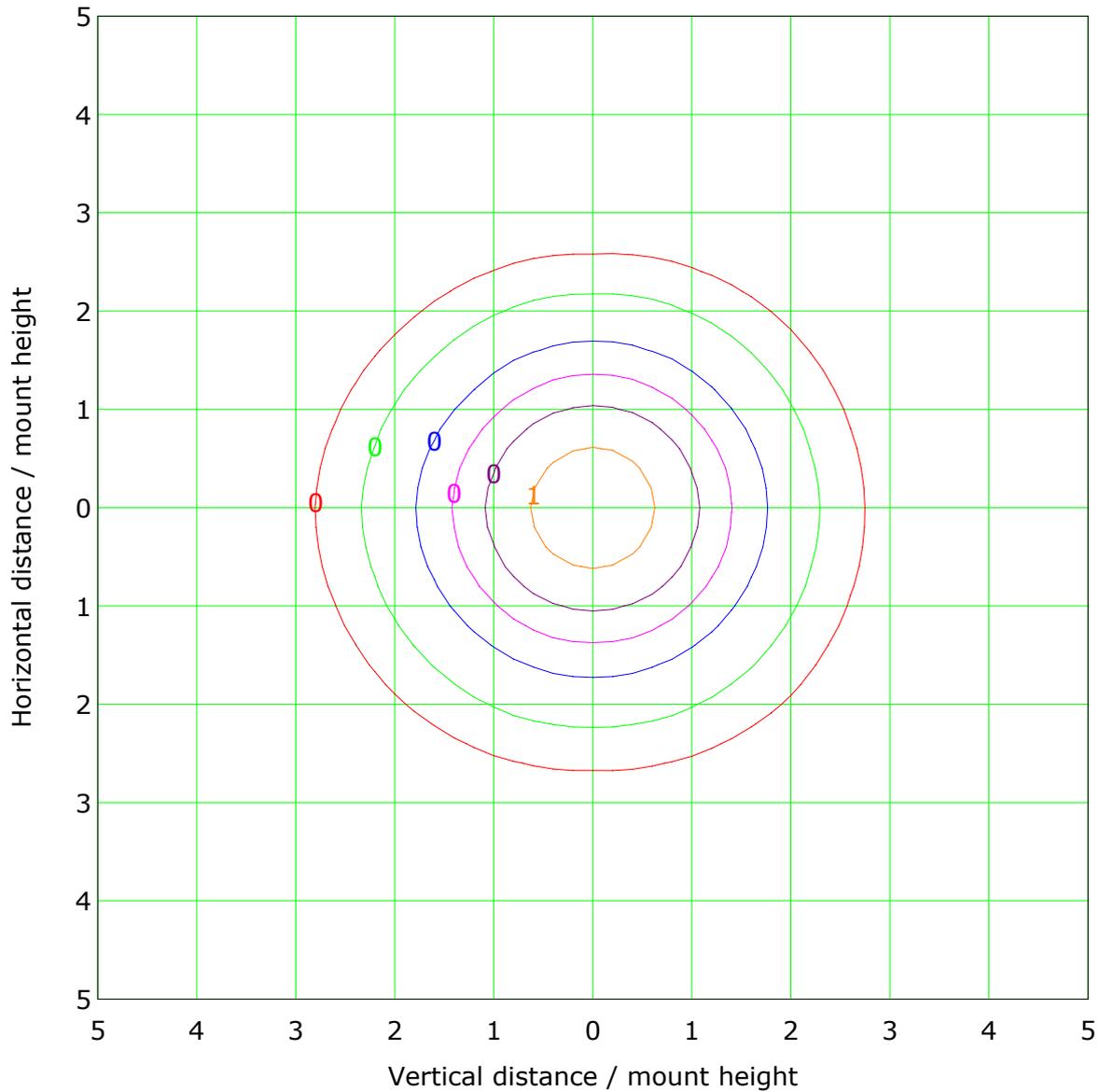
Imax (100%): 169 cd

— (10%):	17 cd	— (16%):	27 cd
— (25%):	42 cd	— (40%):	67 cd
— (63%):	106 cd	— (100%):	169 cd

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 7: ISOLUX DIAGRAM



Mounting Height: 10.0m Max Lux(100%): 1.7 lx

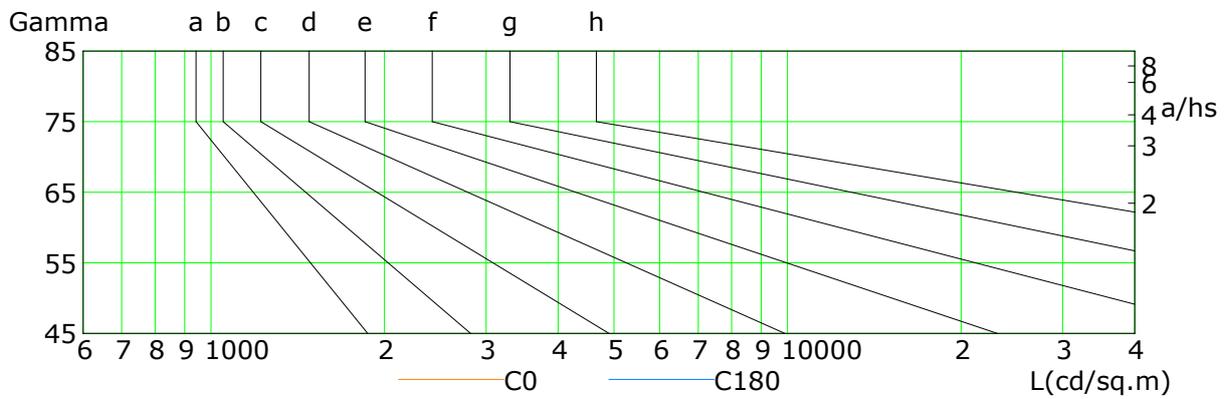
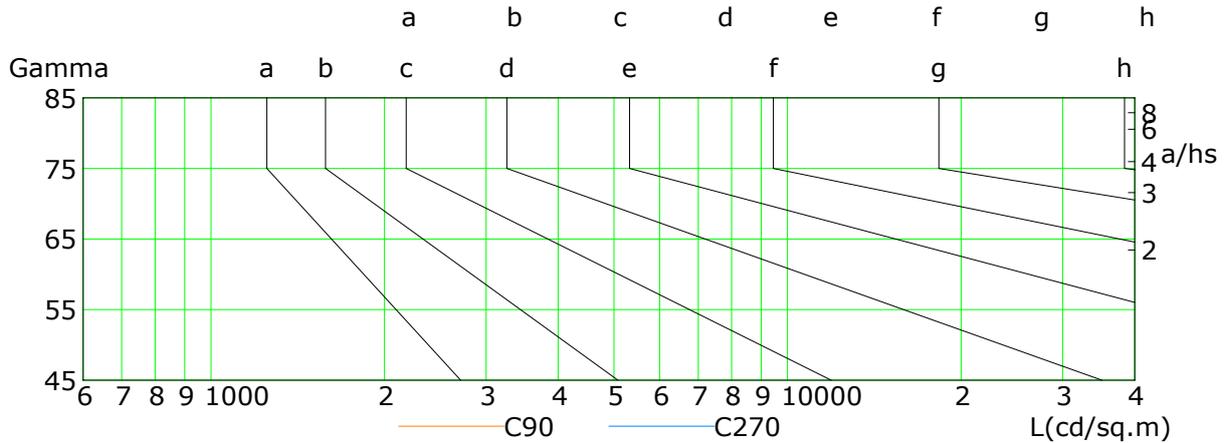
— (1%): 0.0 lx	— (2%): 0.0 lx
— (5%): 0.1 lx	— (10%): 0.2 lx
— (20%): 0.3 lx	— (50%): 0.8 lx
— (100%): 1.7 lx	

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 8: LUM LIGHT 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

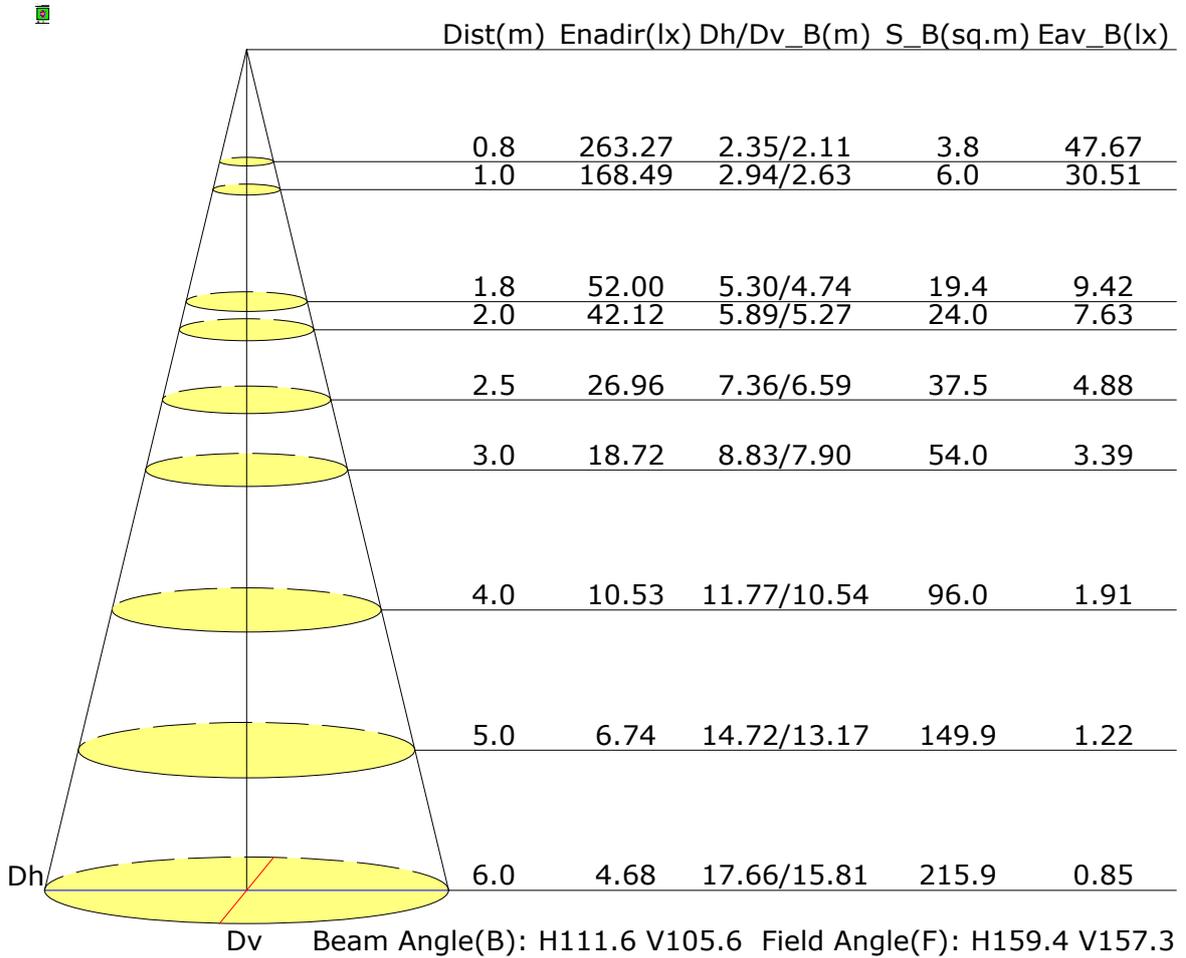


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	112	100	88	74	60	46	31	18	7
C90	105	92	79	66	52	37	25	16	6
C180	110	98	85	71	56	42	28	14	4
C270	102	89	75	61	46	32	22	12	3

C Plane (°):0.0-360.0: 45.0
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 Temperature: 26.1
 Operator: Limited

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

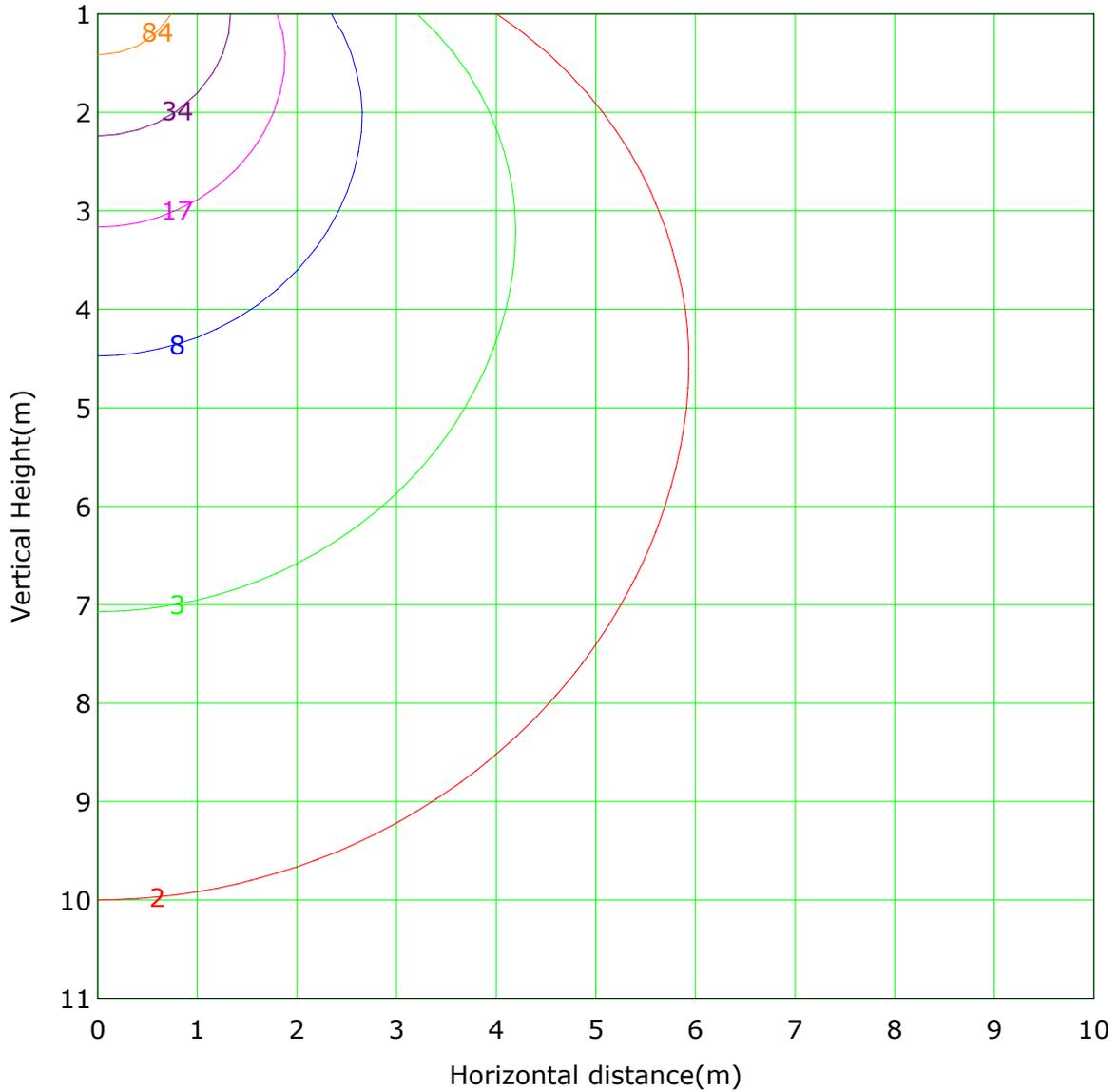
SECTION 9: ILLUMINANCE AT A DISTANCE



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 10: 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: