

Report No.:

Test Time: 2018-07-19 14:08

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ADLED12W144D

Lumens per Lamp: 1043.4 lm

Luminous Width (mm): 95 mm

Voltage: 230.3 V

Power: 12.63 W

Number of Lamps: 1

Luminous Length (mm): 95 mm

Luminous Height (mm): 0 mm

Current: 0.056 A

Power Factor: 0.980

## Photometric Results

CIE Class: Direct

Measurement Flux: 1043.4 lm

Downward Ratio: 100.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.2, 157.7, 158.2, 157.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 105.9, 105.4, 106.0, 105.6

Luminaire Efficacy Rating (LER): 82.66

Max. Intensity: 397.52 cd

S/MH(C0/C180): 1.21

Total Rated Lamp Lumens: 1043.4 lm

Efficiency: 100.00%

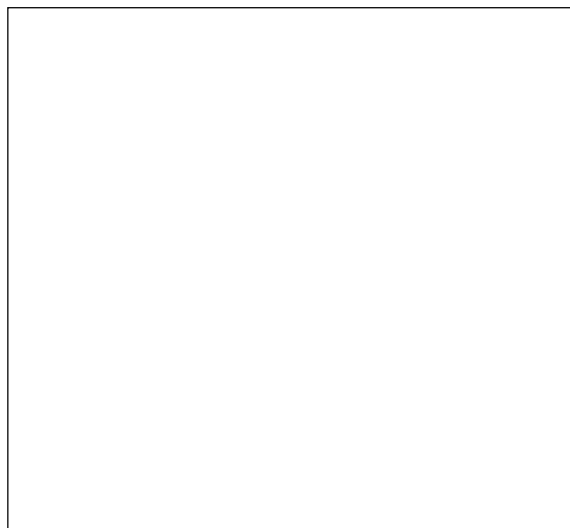
Upward Ratio: 0.00%

Central Intensity: 397.42 cd

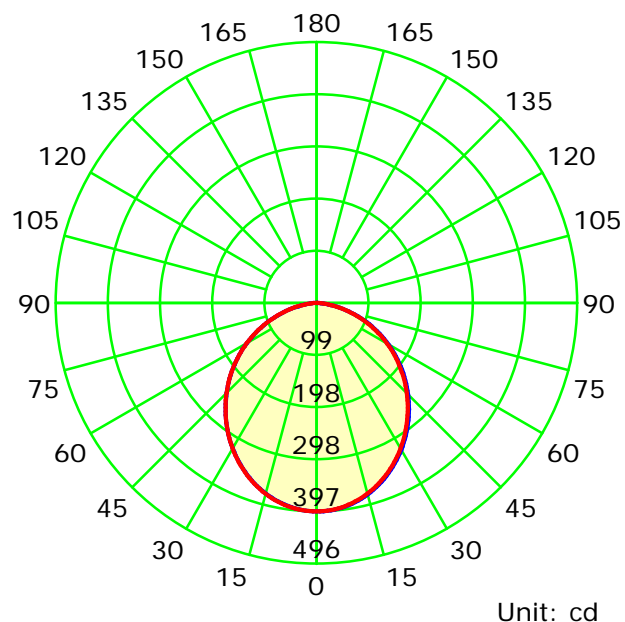
Pos of Max. Intensity: H270 V1

S/MH(C90/C270): 1.20

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

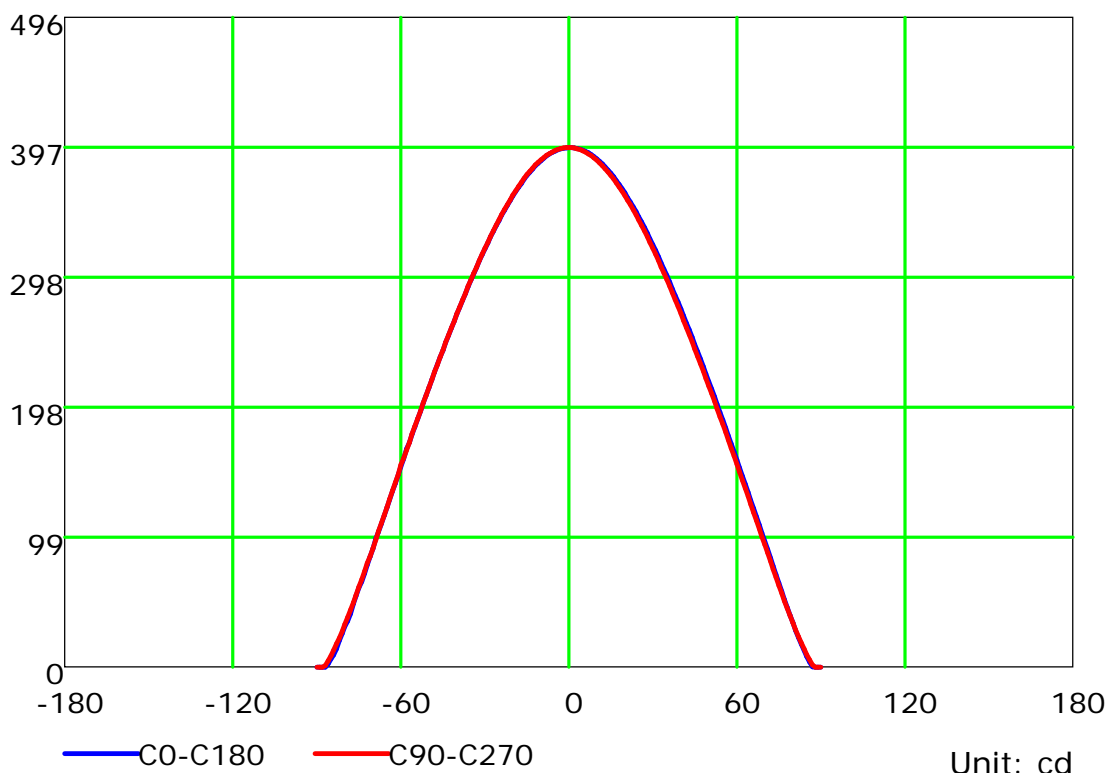
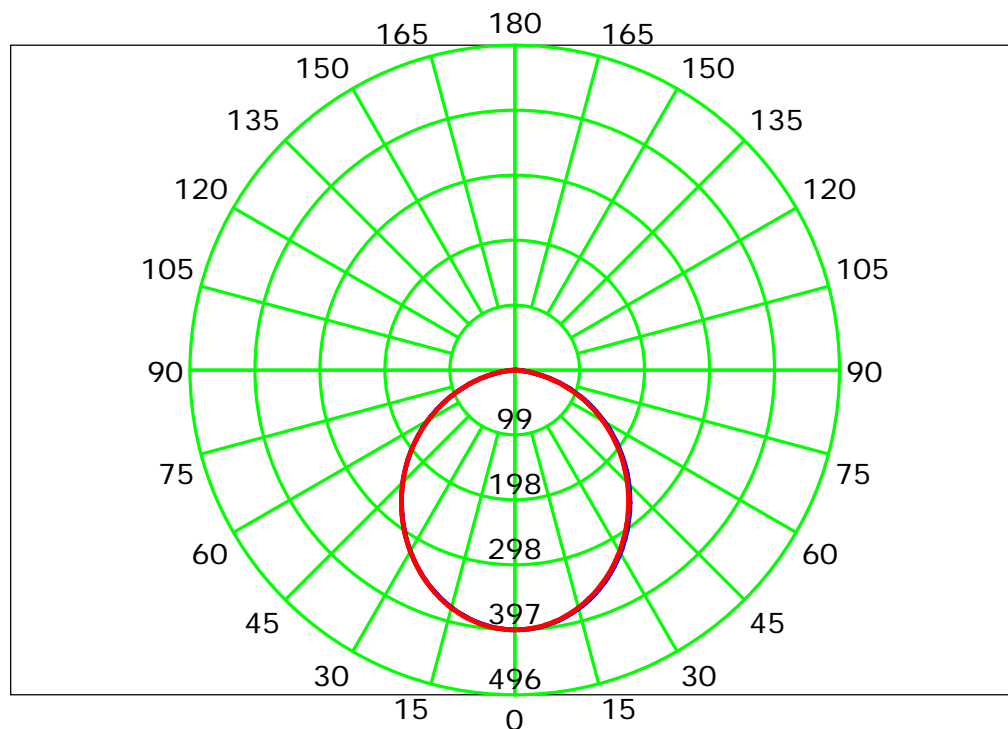
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

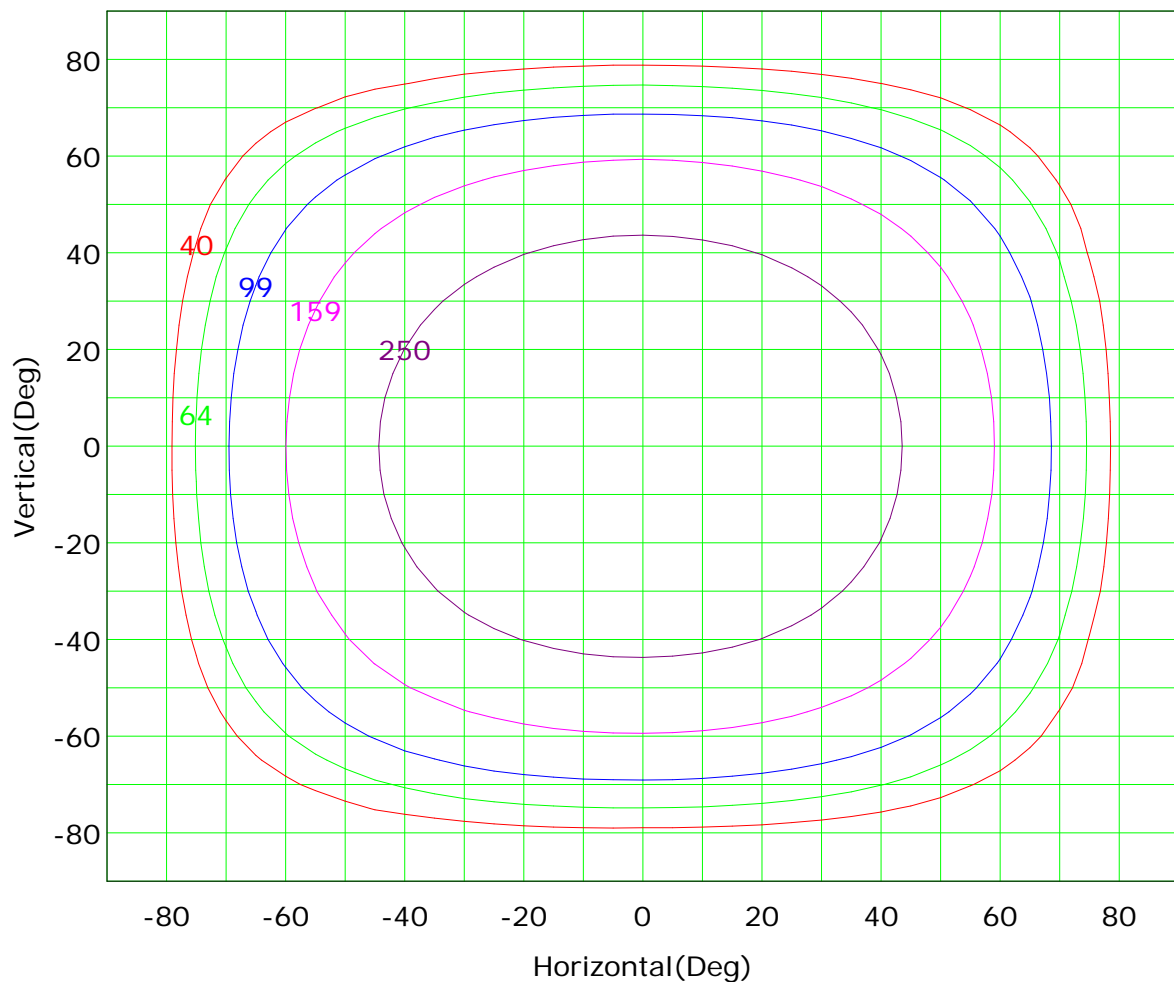
## Luminous Intensity Distribution Curve



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

Gamma Plane (°): 0.0-90.0: 1.0  
 Test Device: GPM-1600  
 Distance: 7.517 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



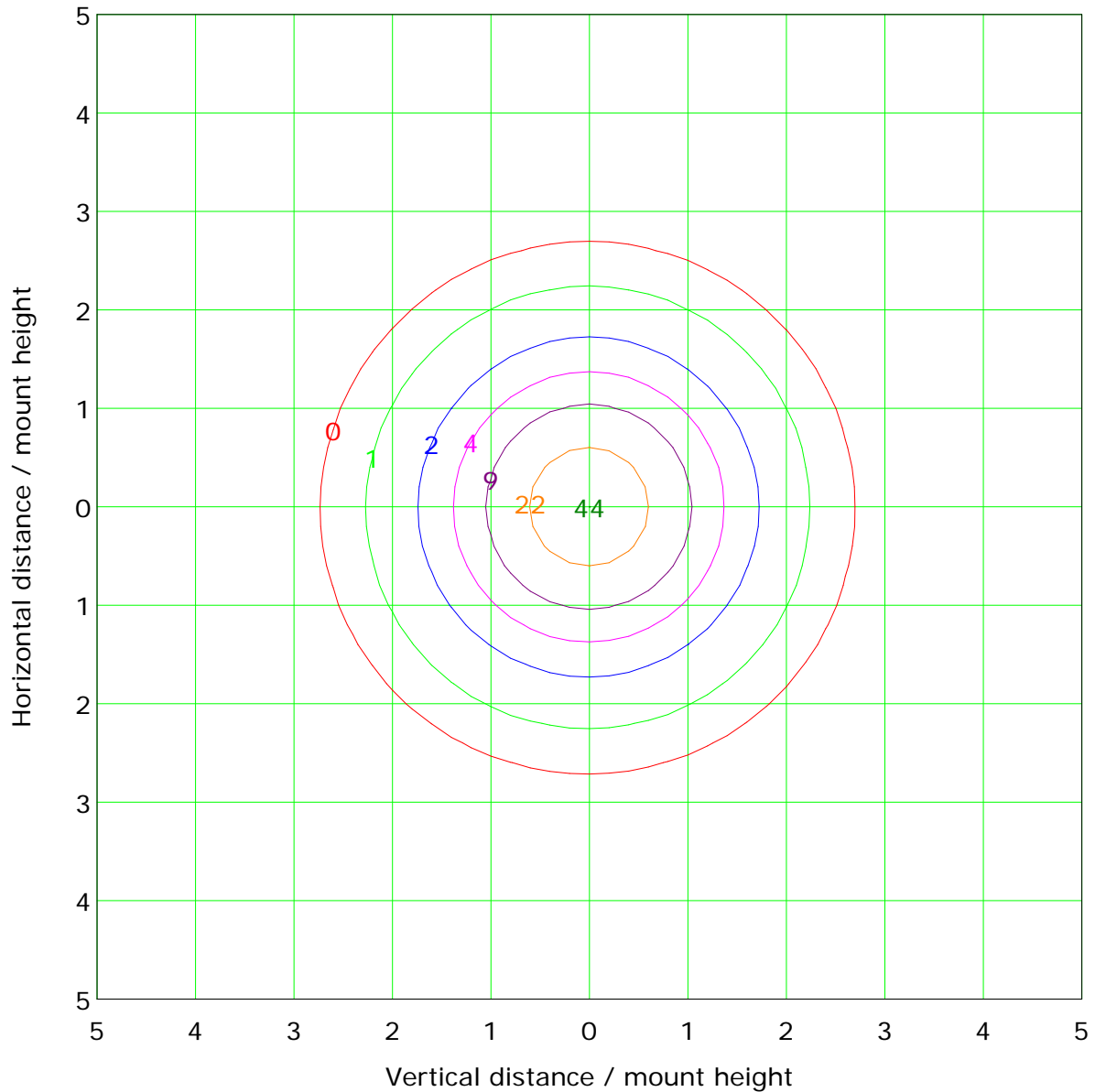
I<sub>max</sub> (100%): 398 cd

( 10%):	40 cd	( 16%):	64 cd
( 25%):	99 cd	( 40%):	159 cd
( 63%):	250 cd	(100%):	398 cd

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

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600  
 Distance: 7.517 m  
 Humidity:  
 Inspector:

## IsoLux Plot



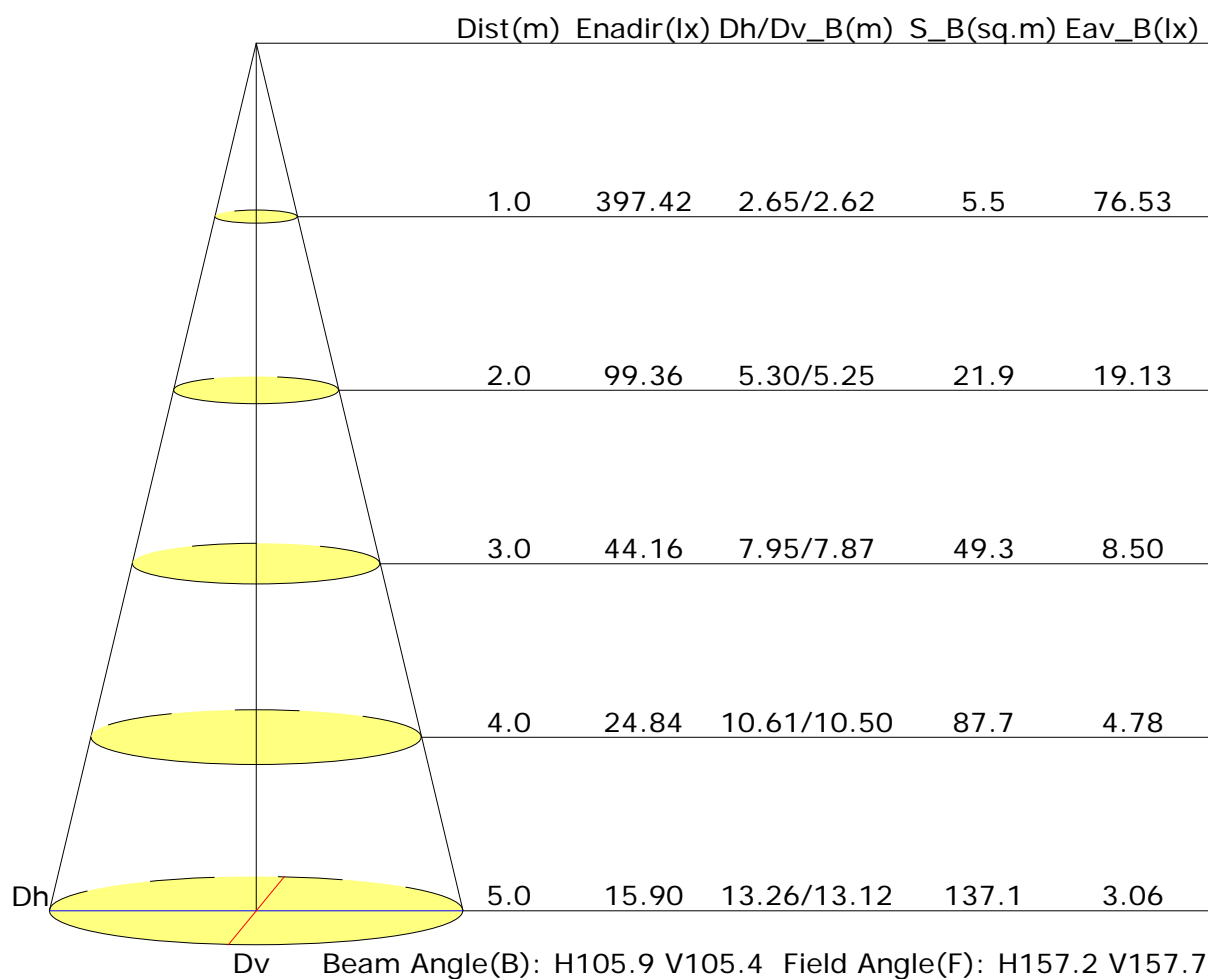
Mounting Height: 3.0m    Max Lux(100%): 44.2 lx

( 1%): 0.4 lx	( 2%): 0.9 lx
( 5%): 2.2 lx	(10%): 4.4 lx
(20%): 8.8 lx	(50%): 22.1 lx
(100%): 44.2 lx	

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

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600  
 Distance: 7.517 m  
 Humidity:  
 Inspector:

## Illuminance at a Distance



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

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600  
 Distance: 7.517 m  
 Humidity:  
 Inspector:

## UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	25.1	26.5	25.4	26.7	26.9	25.0	26.4	25.3	26.6	26.9
3H	26.6	27.8	26.9	28.1	28.4	26.5	27.7	26.8	28.0	28.3
4H	27.2	28.3	27.5	28.6	28.9	27.0	28.2	27.4	28.5	28.8
6H	27.5	28.6	27.9	28.9	29.2	27.3	28.4	27.7	28.7	29.1
8H	27.6	28.6	27.9	28.9	29.3	27.4	28.5	27.8	28.8	29.1
12H	27.6	28.6	28.0	28.9	29.3	27.4	28.4	27.8	28.8	29.1
X=4H Y=2H	25.8	26.9	26.1	27.2	27.5	25.7	26.9	26.0	27.1	27.4
3H	27.4	28.4	27.8	28.8	29.1	27.3	28.3	27.7	28.7	29.0
4H	28.1	29.0	28.5	29.4	29.7	28.0	28.9	28.4	29.2	29.6
6H	28.5	29.3	29.0	29.7	30.1	28.4	29.2	28.8	29.6	30.0
8H	28.6	29.4	29.1	29.8	30.2	28.5	29.3	29.0	29.7	30.1
12H	28.7	29.3	29.1	29.8	30.2	28.6	29.2	29.0	29.6	30.1
X=8H Y=4H	28.3	29.1	28.8	29.5	29.9	28.2	29.0	28.7	29.4	29.8
6H	28.9	29.5	29.4	29.9	30.4	28.8	29.4	29.3	29.8	30.3
8H	29.1	29.6	29.5	30.0	30.5	29.0	29.5	29.4	29.9	30.4
12H	29.1	29.6	29.6	30.1	30.6	29.0	29.5	29.5	30.0	30.5
X=12H Y=4H	28.4	29.0	28.8	29.4	29.9	28.2	28.9	28.7	29.3	29.8
6H	28.9	29.5	29.4	29.9	30.4	28.8	29.4	29.3	29.8	30.3
8H	29.1	29.6	29.6	30.0	30.5	29.0	29.5	29.5	29.9	30.4
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.3/-0.5					+0.3/-0.5				
S=2.0H	+0.5/-0.9					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 1043lm ( $8\log(F/F_0) = 0.1$ ).

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

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1600  
Distance: 7.517 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	397.4	397.4	397.4	397.4	397.4	397.4	397.4	397.4	397.4	
G1.0	397.3	397.4	397.4	397.2	397.3	397.3	397.5	397.2	397.3	
G2.0	397.2	397.0	397.0	396.9	396.9	397.0	397.1	396.9	397.2	
G3.0	396.7	396.6	396.5	396.4	396.3	396.4	396.6	396.6	396.7	
G4.0	396.2	395.9	395.8	395.7	395.7	395.6	396.0	395.7	396.2	
G5.0	395.4	395.1	395.0	394.8	394.7	394.8	395.2	394.8	395.4	
G6.0	394.5	394.0	393.9	393.7	393.7	393.5	394.0	393.8	394.5	
G7.0	393.4	393.0	392.6	392.5	392.4	392.2	392.8	392.5	393.4	
G8.0	392.0	391.6	391.2	391.2	390.9	390.8	391.6	391.1	392.0	
G9.0	390.4	390.0	389.5	389.5	389.3	389.1	389.8	389.4	390.4	
G10.0	388.8	388.4	387.8	387.8	387.4	387.2	388.1	387.6	388.8	
G11.0	386.9	386.6	385.6	385.9	385.5	385.3	386.1	385.6	386.9	
G12.0	384.8	384.5	383.5	383.8	383.3	383.1	384.1	383.5	384.8	
G13.0	382.7	382.3	381.2	381.5	381.0	380.8	381.8	381.3	382.7	
G14.0	380.3	379.8	378.8	379.1	378.5	378.4	379.3	378.8	380.3	
G15.0	377.7	377.5	376.1	376.5	376.0	375.9	376.7	376.1	377.7	
G16.0	375.1	374.6	373.3	373.9	373.1	372.9	373.8	373.4	375.1	
G17.0	372.2	372.0	370.4	371.0	370.1	370.2	370.9	370.5	372.2	
G18.0	369.2	368.9	367.3	367.9	367.1	367.3	367.8	367.5	369.2	
G19.0	366.1	365.7	364.1	364.6	363.8	363.8	364.4	364.1	366.1	
G20.0	362.8	362.4	360.7	361.3	360.4	360.3	361.1	360.8	362.8	
G21.0	359.3	359.0	357.2	357.8	356.9	356.8	357.5	357.2	359.3	
G22.0	355.8	355.5	353.7	354.2	353.3	353.1	353.9	353.6	355.8	
G23.0	352.1	351.7	349.8	350.5	349.5	349.2	350.1	350.0	352.1	
G24.0	348.4	347.9	346.0	346.5	345.7	345.3	346.2	346.0	348.4	
G25.0	344.5	344.2	342.0	342.6	341.6	341.3	342.2	342.1	344.5	
G26.0	340.5	339.8	337.9	338.5	337.6	337.1	338.1	337.9	340.5	
G27.0	336.3	336.0	333.7	334.4	333.2	333.1	333.8	333.7	336.3	
G28.0	332.1	331.6	329.5	330.0	329.2	328.6	329.4	329.3	332.1	
G29.0	327.7	327.2	324.9	325.5	324.5	324.5	324.9	324.9	327.7	
G30.0	323.3	323.0	320.5	320.9	320.1	320.2	320.6	320.2	323.3	
G31.0	318.7	318.6	315.8	316.3	315.5	315.2	315.8	315.6	318.7	
G32.0	314.0	313.9	311.1	311.6	310.6	310.3	311.0	310.8	314.0	
G33.0	309.2	309.1	306.2	306.8	305.9	305.9	306.1	306.5	309.2	
G34.0	304.5	304.3	301.3	302.0	301.0	300.9	301.4	301.8	304.5	
G35.0	299.6	299.6	296.5	297.1	296.0	296.1	296.4	296.8	299.6	
G36.0	294.7	294.6	291.5	292.1	291.0	290.7	291.3	291.7	294.7	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	289.6	289.5	286.4	286.9	285.8	285.6	286.0	286.1	289.6	
G38.0	284.4	284.5	281.1	281.8	280.6	280.3	280.9	280.8	284.4	
G39.0	279.3	279.4	276.0	276.5	275.2	275.2	275.5	276.1	279.3	
G40.0	274.0	274.1	270.5	271.4	270.0	269.9	270.3	270.8	274.0	
G41.0	268.8	268.7	265.3	265.9	264.6	264.5	264.8	265.6	268.8	
G42.0	263.3	263.5	259.8	260.5	259.4	259.1	259.5	259.4	263.3	
G43.0	258.0	258.2	254.5	255.1	253.7	253.8	254.0	254.0	258.0	
G44.0	252.5	252.6	248.9	249.8	248.2	248.0	248.5	248.5	252.5	
G45.0	246.9	247.2	243.5	244.1	242.6	242.4	242.7	243.5	246.9	
G46.0	241.4	241.8	237.8	238.4	237.2	236.7	237.2	237.8	241.4	
G47.0	235.8	236.2	232.2	232.9	231.4	231.4	231.3	232.2	235.8	
G48.0	230.1	230.4	226.5	227.3	225.6	225.6	225.7	226.3	230.1	
G49.0	224.3	224.9	221.0	221.4	219.8	219.6	219.9	220.9	224.3	
G50.0	218.5	219.1	215.0	215.7	213.9	213.9	214.1	215.1	218.5	
G51.0	212.8	213.3	209.4	209.9	208.0	208.2	208.0	208.9	212.8	
G52.0	206.9	208.0	203.4	204.0	202.1	202.0	202.2	202.9	206.9	
G53.0	201.0	201.5	197.6	198.1	196.0	195.9	196.3	196.9	201.0	
G54.0	195.0	195.6	191.6	192.2	190.2	190.2	190.2	191.3	195.0	
G55.0	189.0	189.6	185.8	186.2	184.1	184.4	184.4	185.1	189.0	
G56.0	183.1	183.9	179.7	180.5	178.1	178.7	178.5	179.0	183.1	
G57.0	177.1	176.8	173.8	174.1	171.9	172.0	172.0	173.4	177.1	
G58.0	170.9	170.7	167.6	168.2	167.0	165.4	166.1	167.0	170.9	
G59.0	164.8	164.6	161.7	162.0	159.5	159.6	159.9	160.8	164.8	
G60.0	158.6	159.7	155.4	156.0	153.3	153.6	154.8	154.4	158.6	
G61.0	152.5	153.5	149.3	149.8	147.3	147.3	147.6	148.3	152.5	
G62.0	146.2	146.2	143.2	143.8	140.7	141.1	141.4	142.3	146.2	
G63.0	140.1	141.1	136.9	137.5	134.7	134.7	134.9	135.9	140.1	
G64.0	133.7	135.1	130.7	131.3	128.2	128.7	128.6	129.6	133.7	
G65.0	127.6	128.6	124.6	125.3	122.2	122.4	122.5	123.5	127.6	
G66.0	121.4	122.6	118.4	119.1	115.8	116.1	116.1	117.4	121.4	
G67.0	115.1	116.6	112.3	112.8	109.6	109.8	110.1	110.9	115.1	
G68.0	108.9	110.3	105.9	106.8	103.3	103.6	103.8	104.6	108.9	
G69.0	102.8	104.0	99.9	100.4	98.5	97.3	97.6	98.4	102.8	
G70.0	96.3	96.7	93.8	94.2	90.8	91.1	91.0	92.3	96.3	
G71.0	90.1	91.7	87.5	88.0	84.6	84.9	84.9	85.8	90.1	
G72.0	83.7	85.4	81.1	81.8	78.1	78.7	79.6	79.8	83.7	
G73.0	77.4	79.2	75.0	75.6	71.8	72.6	73.5	73.0	77.4	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:



## Unit: cd

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Test Lab:  
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