

filename : NDN6300-LED-757.LDT  
 meas. number : 3189  
 luminaire number : NDN6300/LED/757  
 date / operator : 13-02-2014

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	1 X LED MODULE	6822 lm	72.2 W

**dimensions**

luminaire	luminous area
length : 380 mm	length : 210 mm
width : 280 mm	width : 210 mm
height : 100 mm	height : 0 mm

**coordinate system**

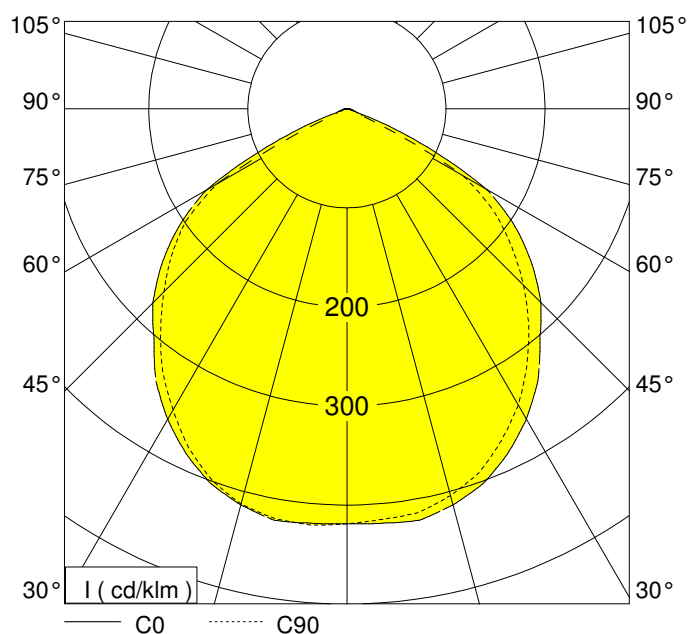
no of planes : 24	samples / plane : 37
first c-plane : 0.0 °	first gamma-angle : 0.0 °
step angle : 15.0 °	step angle : 5.0 °
last c-plane : 345.0 °	last gamma-angle : 180.0 °
symmetrics : asymmetric	

**performance**

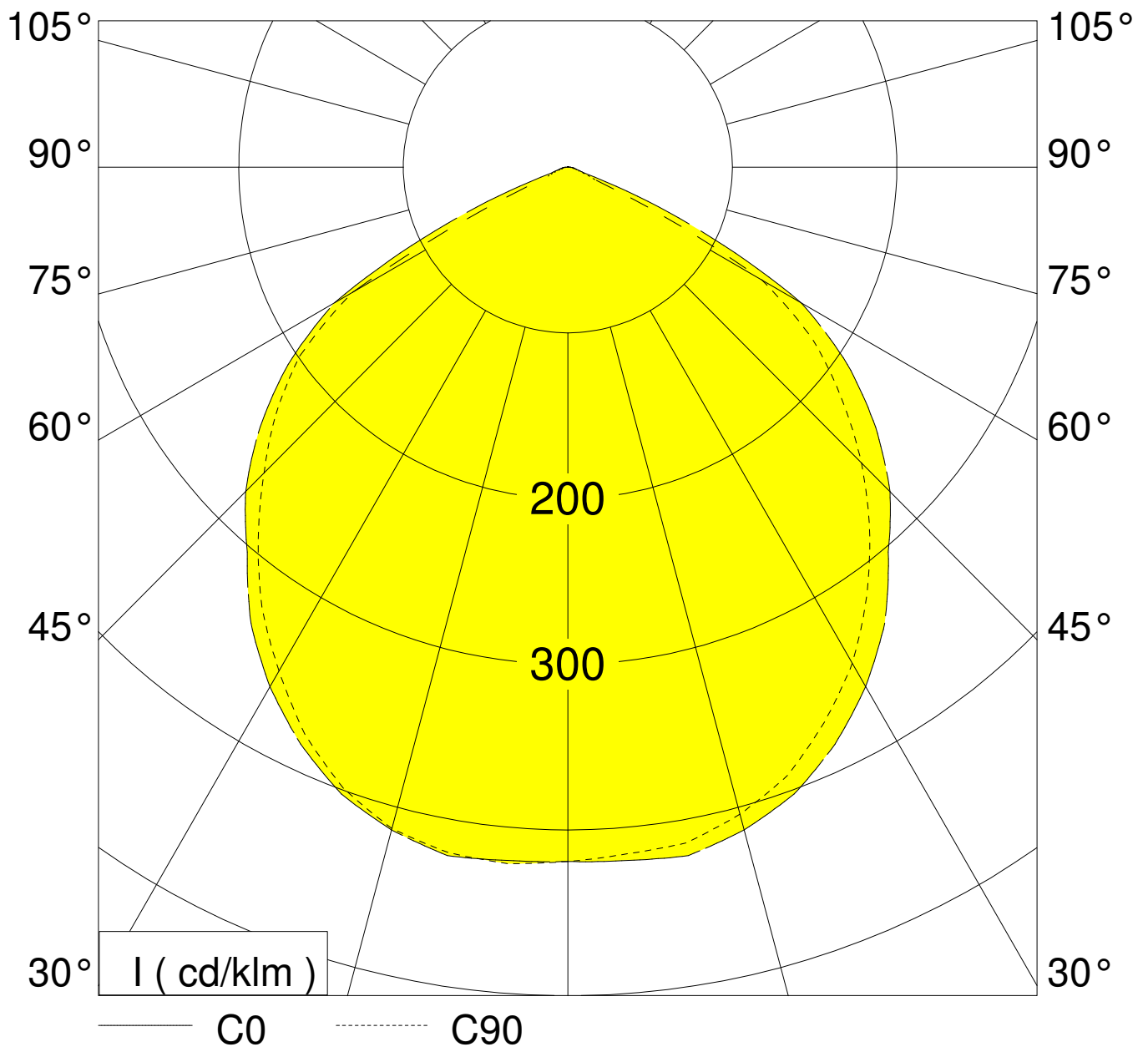
light output ratio : 100.0 %  
 DFF : 100.0 %  
 UFF : 0.0 %

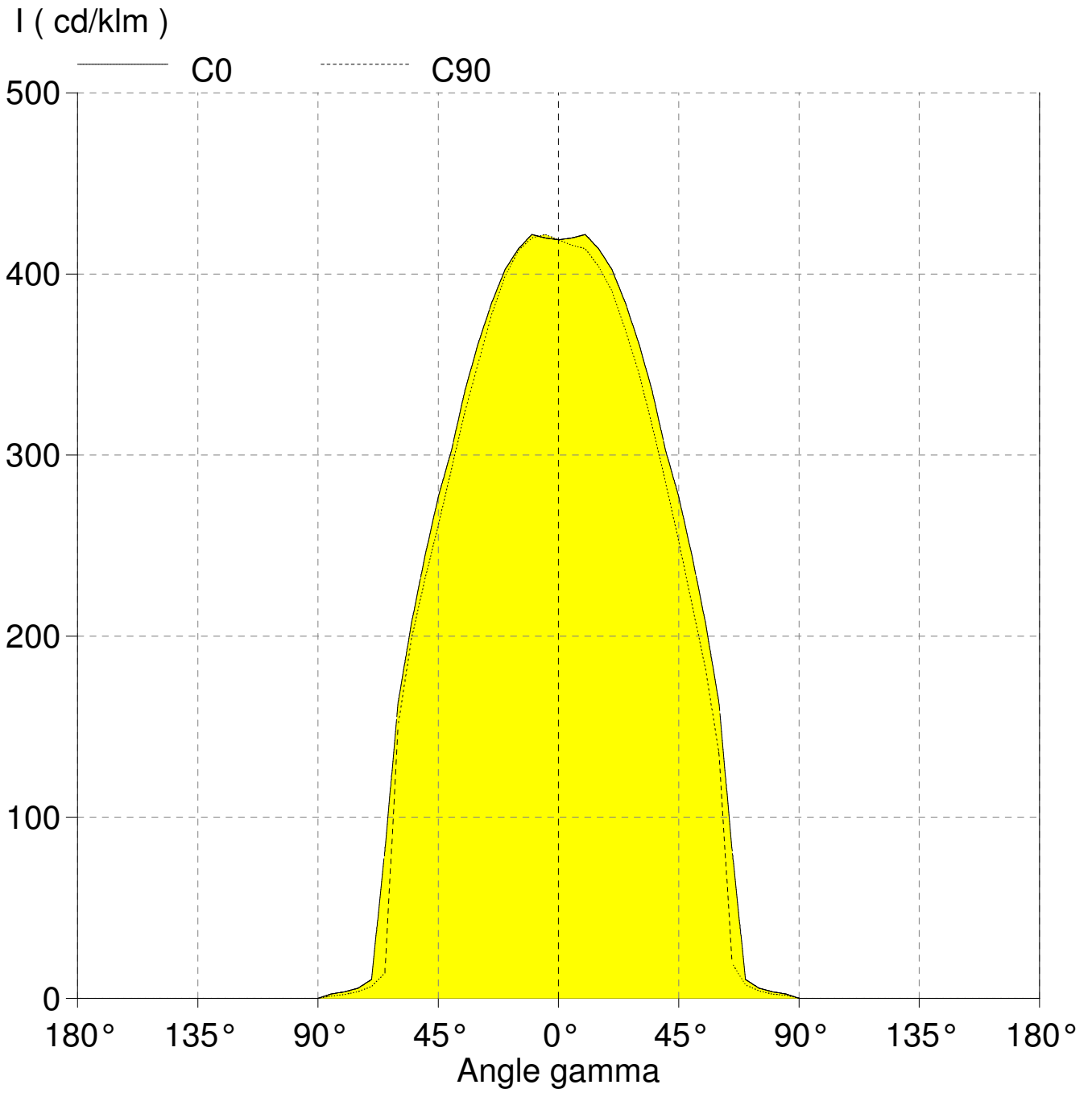
**classification**

LiTG / DIN : A50  
 UTE : 1.00C  
 CIE : 56 91 100 100 100  
 BZ : 2 3 2 2 2 2 2 2  
 Ambient Temperature : 25 degC  
 Input Voltage : 240 V  
 Circuit Watts : 72.2 W  
 Amps (running) : 0.310 A  
 V.A. : 74.43 VA  
 Power Factor : 0.97  
 CCT : 5116K(measured):5100K(nominal)



Measurements made are in absolute units  
 The luminaire is treated as if it was a lamp as it is not possible to measure each LED separately - hence an LOR of 100%  
 The Light output ratio in real terms would be less than 100%. If it was possible to compare real LED lumens with the total output from the luminaire we could obtain an actual LOR  
 This also means that the total lumens emitted from the LED's would be greater than the 6822 lumens measured.  
 In reality the LED lumens would approximate to this value divided by the actual Light Output

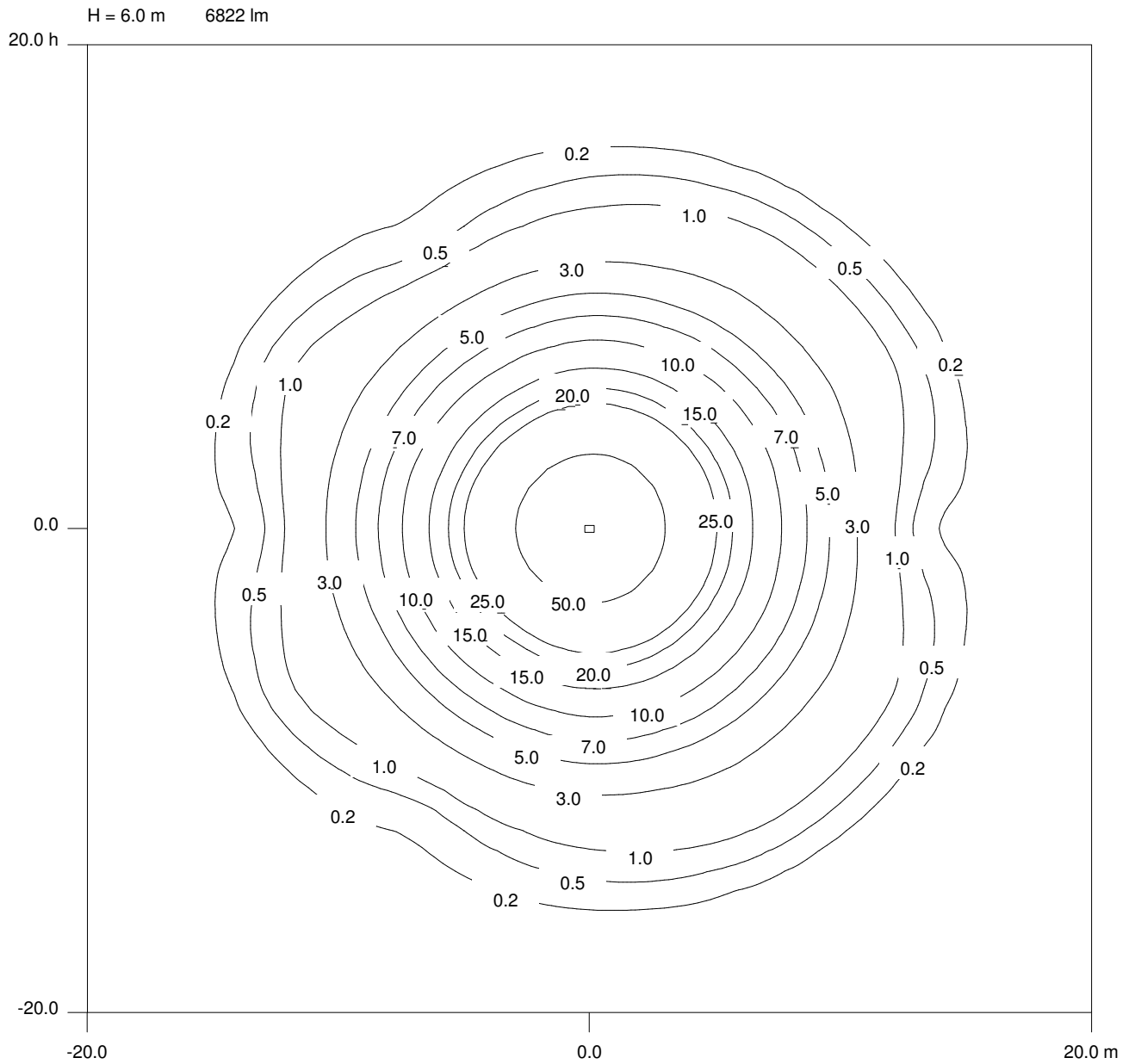




	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0	C 105.0
0.0°	418.90	418.90	418.90	418.90	418.90	418.90	418.90	418.90
5.0°	419.90	419.90	419.90	417.50	415.00	415.40	415.90	413.80
10.0°	421.80	420.40	418.90	416.40	414.00	414.00	414.00	412.30
15.0°	414.00	412.60	411.10	410.20	409.20	406.80	404.20	405.00
20.0°	402.50	401.00	399.50	396.60	393.60	392.10	390.60	390.50
25.0°	384.20	380.60	377.10	375.60	374.20	371.70	369.20	370.10
30.0°	362.00	355.40	348.90	346.00	343.10	344.40	345.80	343.00
35.0°	335.90	324.90	314.00	313.50	313.00	314.80	316.60	313.50
40.0°	303.10	292.50	281.90	281.40	280.90	283.10	285.40	282.00
45.0°	277.00	265.40	253.70	252.60	251.70	252.00	252.30	251.00
50.0°	244.20	232.90	221.60	219.20	216.70	216.90	217.20	216.10
55.0°	207.50	196.90	186.20	183.50	180.60	181.40	182.10	180.70
60.0°	163.80	154.90	145.90	141.40	136.80	136.40	136.00	135.90
65.0°	81.40	55.50	29.70	65.00	100.30	59.70	19.20	59.30
70.0°	10.40	8.80	7.20	7.40	7.60	7.50	7.40	7.50
75.0°	5.60	4.80	3.90	3.50	3.20	3.60	4.10	3.60
80.0°	3.60	3.10	2.50	2.30	2.10	2.20	2.30	2.20
85.0°	2.40	2.10	1.80	1.70	1.50	1.60	1.70	1.60
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 120.0	C 135.0	C 150.0	C 165.0	C 180.0	C 195.0	C 210.0	C 225.0
0.0°	418.90	418.90	418.90	418.90	418.90	418.90	418.90	418.90
5.0°	411.60	414.00	416.40	418.20	419.90	418.70	417.50	417.90
10.0°	410.70	413.10	415.50	418.70	421.80	421.50	421.30	420.80
15.0°	405.90	406.90	407.80	410.90	414.00	415.70	417.50	416.90
20.0°	390.40	393.30	396.30	399.40	402.50	404.70	406.90	406.50
25.0°	371.20	372.60	374.10	379.10	384.20	388.40	392.50	389.30
30.0°	340.30	343.20	346.00	354.00	362.00	364.40	366.80	362.60
35.0°	310.40	310.90	311.30	323.70	335.90	338.50	341.00	335.90
40.0°	278.60	279.10	279.60	291.30	303.10	303.90	304.70	301.10
45.0°	249.70	250.60	251.60	264.30	277.00	277.50	278.00	274.70
50.0°	215.00	217.30	219.80	232.00	244.20	246.70	249.30	245.70
55.0°	179.20	181.90	184.70	196.10	207.50	212.20	216.80	213.20
60.0°	135.70	140.20	144.80	154.30	163.80	166.90	170.10	169.50
65.0°	99.30	64.40	29.50	55.40	81.40	107.00	132.60	126.80
70.0°	7.60	7.40	7.20	8.80	10.40	11.50	12.60	11.90
75.0°	3.20	3.50	3.80	4.70	5.60	5.40	5.10	4.80
80.0°	2.10	2.30	2.50	3.10	3.60	3.50	3.30	3.10
85.0°	1.50	1.70	1.80	2.10	2.40	2.50	2.60	2.30
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 240.0	C 255.0	C 270.0	C 285.0	C 300.0	C 315.0	C 330.0	C 345.0
0.0°	418.90	418.90	418.90	418.90	418.90	418.90	418.90	418.90
5.0°	418.40	420.10	421.80	421.80	421.80	421.30	420.80	420.40
10.0°	420.30	420.10	419.90	421.80	423.70	424.20	424.70	423.20
15.0°	416.40	414.80	413.10	416.50	419.90	420.40	420.80	417.50
20.0°	406.00	402.40	398.80	404.00	409.30	409.80	410.20	406.40
25.0°	386.00	381.80	377.80	383.50	389.10	392.40	395.80	389.90
30.0°	358.30	354.60	351.00	356.10	361.30	365.50	369.70	365.80
35.0°	330.70	327.50	324.20	328.80	333.30	338.60	343.80	339.80
40.0°	297.30	295.00	292.70	296.20	299.70	303.50	307.20	305.10
45.0°	271.60	266.40	261.10	267.50	273.80	277.10	280.20	278.60
50.0°	242.10	236.70	231.50	237.70	244.10	247.70	251.30	247.80
55.0°	209.70	204.30	198.90	205.10	211.40	214.90	218.60	213.00
60.0°	169.00	160.10	151.10	160.80	170.40	171.00	171.50	167.60
65.0°	120.90	67.50	13.90	68.00	121.90	127.80	133.70	107.50
70.0°	11.20	8.90	6.50	8.90	11.30	12.00	12.70	11.60
75.0°	4.50	4.10	3.70	4.10	4.60	4.90	5.20	5.40
80.0°	2.80	2.50	2.10	2.50	2.90	3.10	3.30	3.50
85.0°	2.10	1.70	1.20	1.70	2.10	2.30	2.60	2.50
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							



filename : NDN12600-LED-757.LDT  
 meas. number : 3190  
 luminaire number : NDN12600/LED/757  
 date / operator : 13-02-2014

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	2 X LED MODULES	13570 lm	146.2 W

**dimensions**

luminaire	length	width	height	luminous area	length	width	height
	: 580 mm	: 280 mm	: 100 mm		: 335 mm	: 210 mm	: 600 mm

**coordinate system**

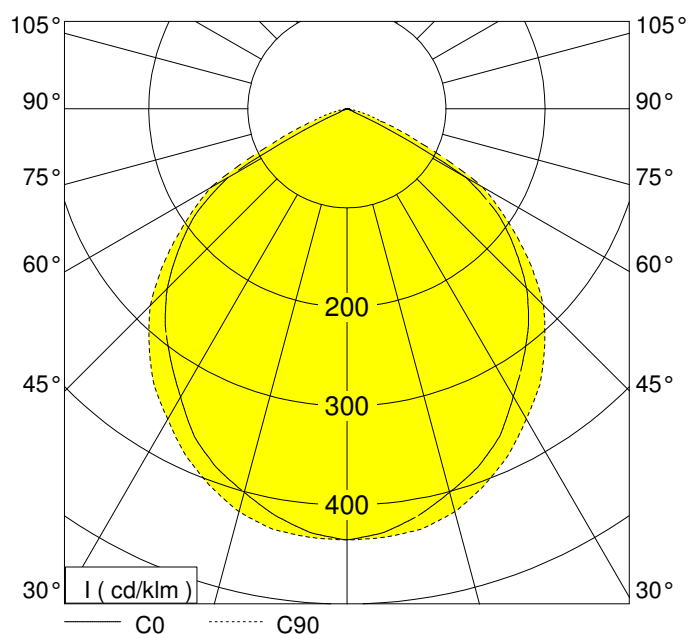
no of planes	: 24	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 345.0 °	last gamma-angle	: 180.0 °
symmetrics	: symmetric		

**performance**

light output ratio	: 100.0 %
DFF	: 100.0 %
UFF	: 0.0 %

**classification**

LiTG / DIN	: A50
UTE	: 1.00D
CIE	: 56 90 100 100 100
BZ	: 3 3 3 3 3 3 3 3 3
Ambient Temperature	: 25 degC
Input Voltage	: 240 V
Circuit Watts	: 146.2 W
Amps (running)	: 0.628 A
V.A.	: 150.72 VA
Power Factor	: 0.97
CCT	: 5186K(measured):5100K(measured)



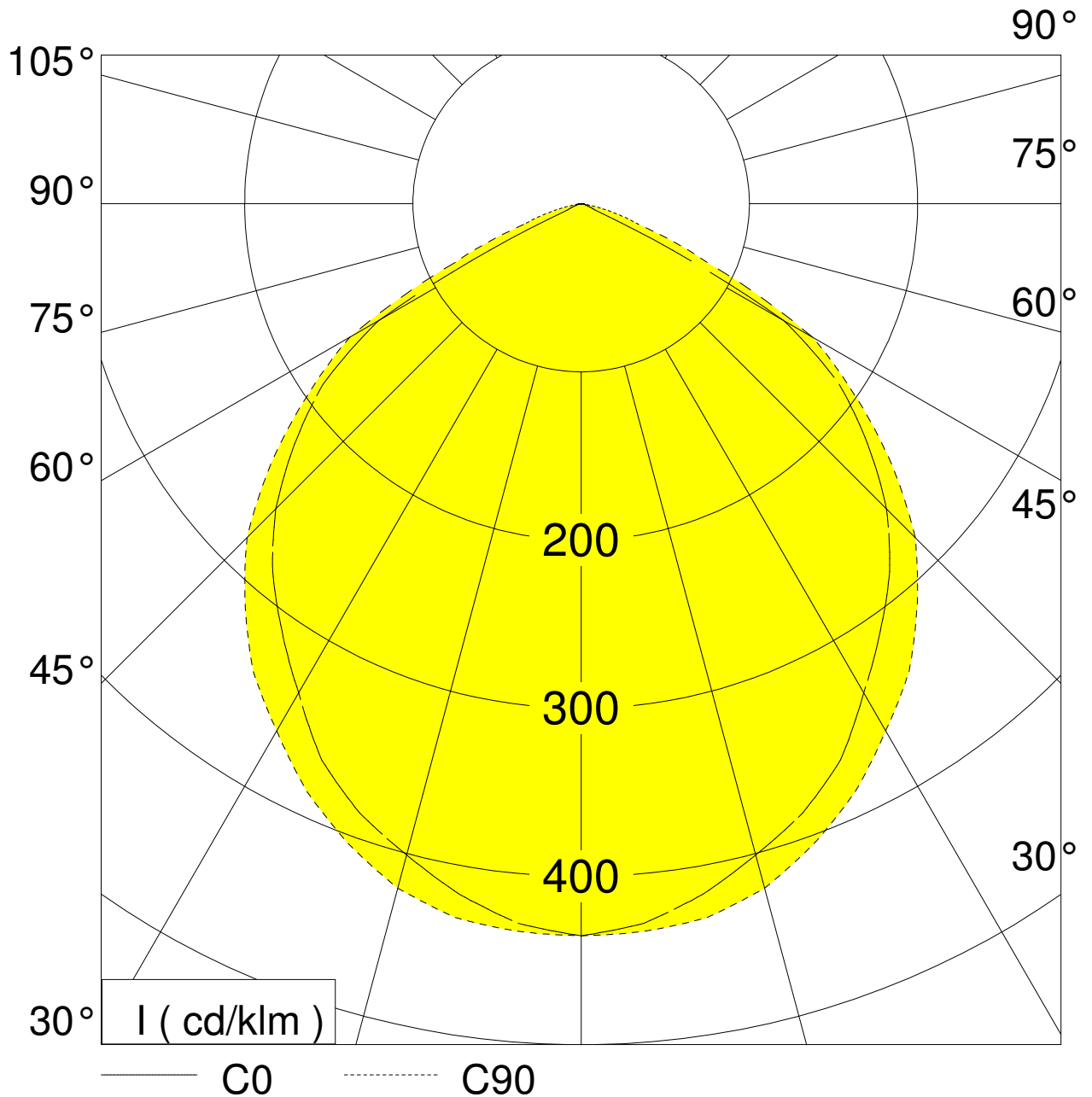


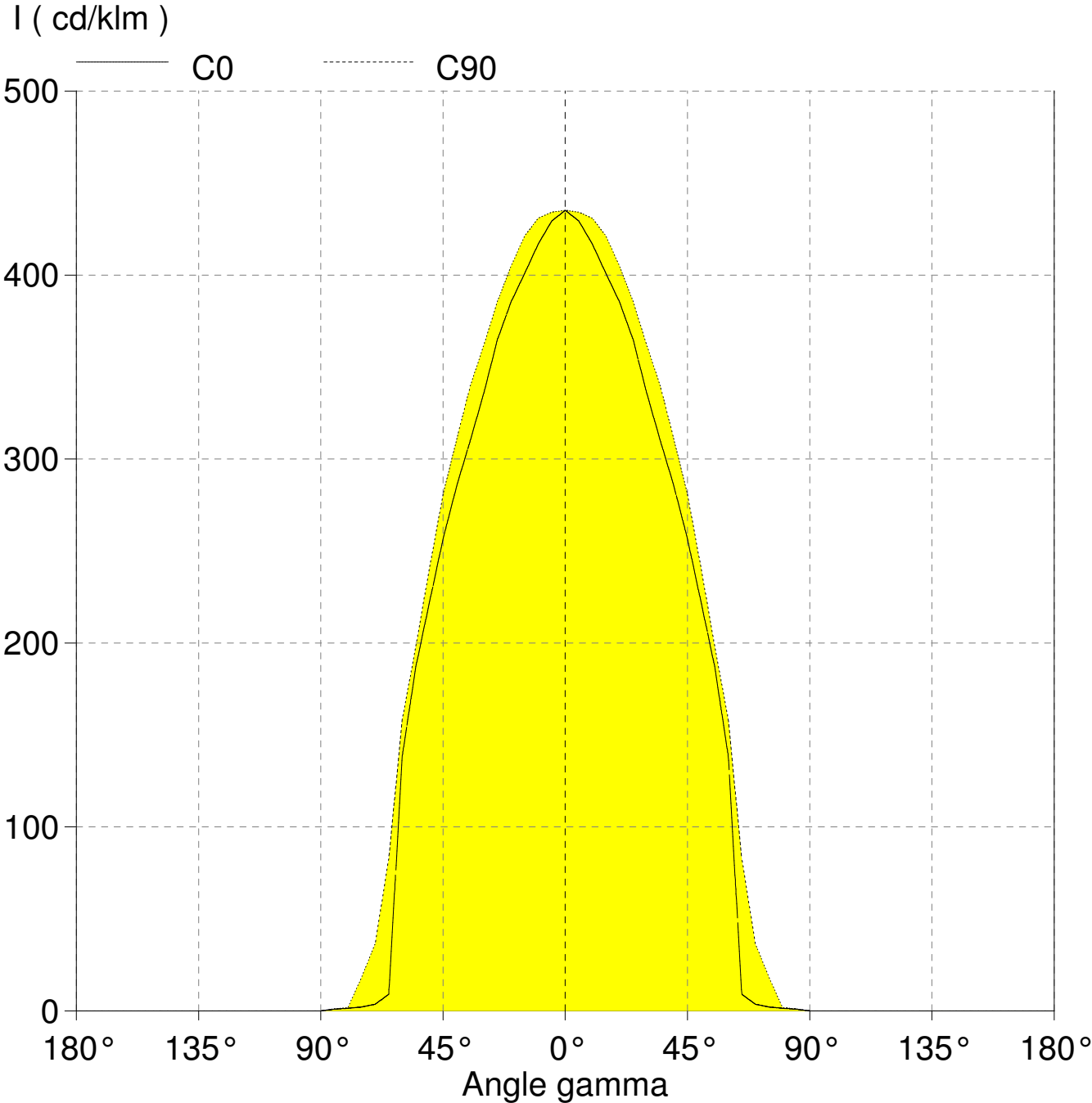
Measurements made are in absolute units  
 The luminaire is treated as if it was a lamp as it  
 is not possible to measure each LED separately  
 - hence an LOR of 100%

The Light output ratio in real terms would be  
 less than 100%. If it was possible to compare  
 real LED lumens with the total output from the  
 luminaire we could obtain an actual LOR

This also means that the total lumens emitted  
 from the LED's would be greater than the 13570  
 lumens measured.

In reality the LED lumens would approximate to  
 this value divided by the actual Light Output





	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0	C 105.0
0.0°	435.20	435.20	435.20	435.20	435.20	435.20	435.20	435.20
5.0°	429.40	429.10	428.90	430.10	431.30	432.80	434.20	432.80
10.0°	416.80	418.00	419.20	422.90	426.50	428.70	430.90	428.70
15.0°	400.80	403.90	407.00	409.70	412.60	416.90	421.20	416.90
20.0°	385.30	388.20	391.00	393.10	395.10	400.00	404.80	400.00
25.0°	364.90	365.60	366.20	369.10	371.90	378.70	385.60	378.70
30.0°	335.80	338.10	340.50	342.40	344.40	353.20	361.90	353.20
35.0°	310.00	310.70	311.30	316.00	320.80	330.20	339.70	330.20
40.0°	285.30	284.00	282.70	285.70	288.80	299.80	310.70	299.80
45.0°	256.60	256.80	256.90	261.80	266.70	273.70	280.80	273.70
50.0°	222.20	225.00	227.80	231.60	235.30	238.00	240.80	238.00
55.0°	187.30	189.60	191.80	195.20	198.60	198.50	198.40	198.50
60.0°	138.80	146.60	154.50	156.00	157.50	158.10	158.70	158.10
65.0°	9.00	59.60	110.30	112.20	114.00	98.30	82.70	98.30
70.0°	3.60	5.30	7.00	21.70	36.30	36.40	36.50	36.40
75.0°	2.10	2.20	2.30	8.90	15.60	16.90	18.30	16.90
80.0°	1.40	1.40	1.50	1.50	1.60	1.70	1.80	1.70
85.0°	0.90	0.90	0.90	0.90	1.00	1.00	1.10	1.00
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 120.0	C 135.0	C 150.0	C 165.0	C 180.0	C 195.0	C 210.0	C 225.0
0.0°	435.20	435.20	435.20	435.20	435.20	435.20	435.20	435.20
5.0°	431.30	430.10	428.90	429.10	429.40	429.10	428.90	430.10
10.0°	426.50	422.90	419.20	418.00	416.80	418.00	419.20	422.90
15.0°	412.60	409.70	407.00	403.90	400.80	403.90	407.00	409.70
20.0°	395.10	393.10	391.00	388.20	385.30	388.20	391.00	393.10
25.0°	371.90	369.10	366.20	365.60	364.90	365.60	366.20	369.10
30.0°	344.40	342.40	340.50	338.10	335.80	338.10	340.50	342.40
35.0°	320.80	316.00	311.30	310.70	310.00	310.70	311.30	316.00
40.0°	288.80	285.70	282.70	284.00	285.30	284.00	282.70	285.70
45.0°	266.70	261.80	256.90	256.80	256.60	256.80	256.90	261.80
50.0°	235.30	231.60	227.80	225.00	222.20	225.00	227.80	231.60
55.0°	198.60	195.20	191.80	189.60	187.30	189.60	191.80	195.20
60.0°	157.50	156.00	154.50	146.60	138.80	146.60	154.50	156.00
65.0°	114.00	112.20	110.30	59.60	9.00	59.60	110.30	112.20
70.0°	36.30	21.70	7.00	5.30	3.60	5.30	7.00	21.70
75.0°	15.60	8.90	2.30	2.20	2.10	2.20	2.30	8.90
80.0°	1.60	1.50	1.50	1.40	1.40	1.40	1.50	1.50
85.0°	1.00	0.90	0.90	0.90	0.90	0.90	0.90	0.90
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 240.0	C 255.0	C 270.0	C 285.0	C 300.0	C 315.0	C 330.0	C 345.0
0.0°	435.20	435.20	435.20	435.20	435.20	435.20	435.20	435.20
5.0°	431.30	432.80	434.20	432.80	431.30	430.10	428.90	429.10
10.0°	426.50	428.70	430.90	428.70	426.50	422.90	419.20	418.00
15.0°	412.60	416.90	421.20	416.90	412.60	409.70	407.00	403.90
20.0°	395.10	400.00	404.80	400.00	395.10	393.10	391.00	388.20
25.0°	371.90	378.70	385.60	378.70	371.90	369.10	366.20	365.60
30.0°	344.40	353.20	361.90	353.20	344.40	342.40	340.50	338.10
35.0°	320.80	330.20	339.70	330.20	320.80	316.00	311.30	310.70
40.0°	288.80	299.80	310.70	299.80	288.80	285.70	282.70	284.00
45.0°	266.70	273.70	280.80	273.70	266.70	261.80	256.90	256.80
50.0°	235.30	238.00	240.80	238.00	235.30	231.60	227.80	225.00
55.0°	198.60	198.50	198.40	198.50	198.60	195.20	191.80	189.60
60.0°	157.50	158.10	158.70	158.10	157.50	156.00	154.50	146.60
65.0°	114.00	98.30	82.70	98.30	114.00	112.20	110.30	59.60
70.0°	36.30	36.40	36.50	36.40	36.30	21.70	7.00	5.30
75.0°	15.60	16.90	18.30	16.90	15.60	8.90	2.30	2.20
80.0°	1.60	1.70	1.80	1.70	1.60	1.50	1.50	1.40
85.0°	1.00	1.00	1.10	1.00	1.00	0.90	0.90	0.90
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

