

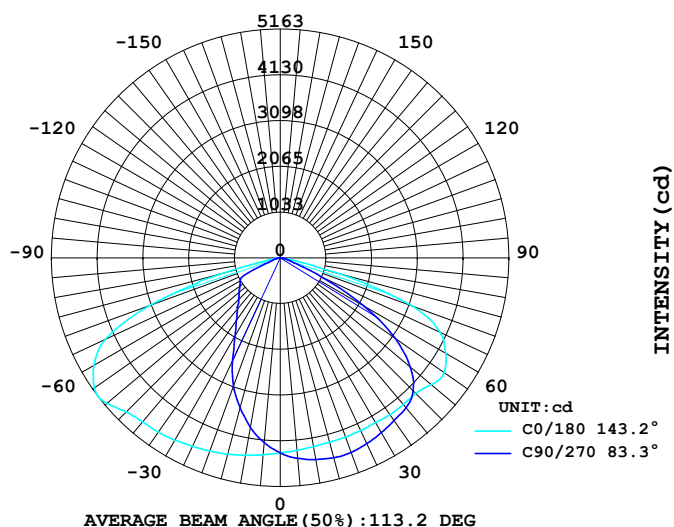
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

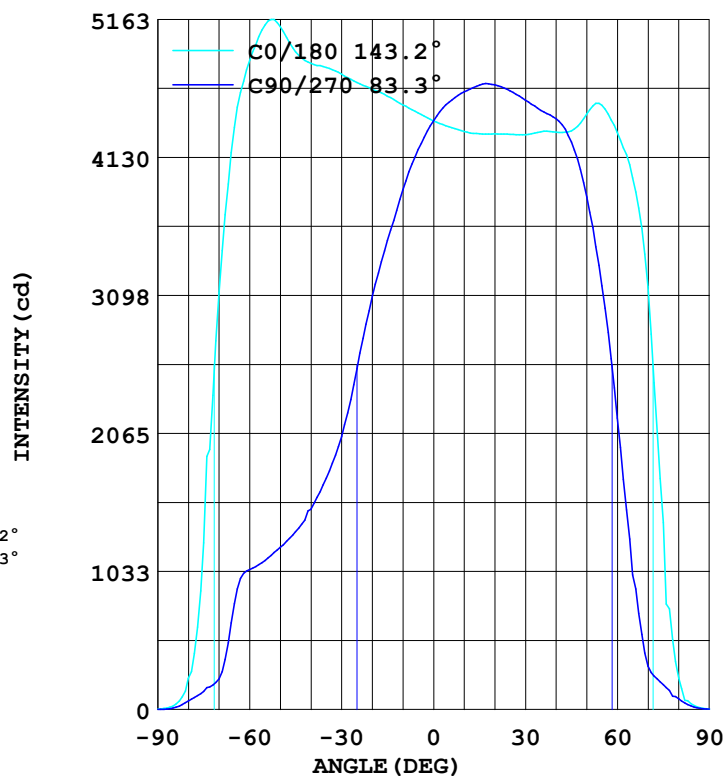
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N9040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	5415	S/MH (C0/180)	1.66
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.84
NOMINAL POWER(W)	90	TOTAL FLUX(lm)	14349	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	159.8	Current(A)	0.395
NOMINAL FLUX(lm)	14349.4	$\eta$ up (%)	0.0	Power(W)	89.80
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	14349.4	EEL	0.094

## LUMINOUS INTENSITY DISTRIBUTION



## LUMINOUS INTENSITY DISTRIBUTION



Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024.11.21

Test Set: 6.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

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## Color Temperature Data List

Report number:

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NAME: Klose	TYPE: IL-FL19-N9040-TY3	WEIGHT:
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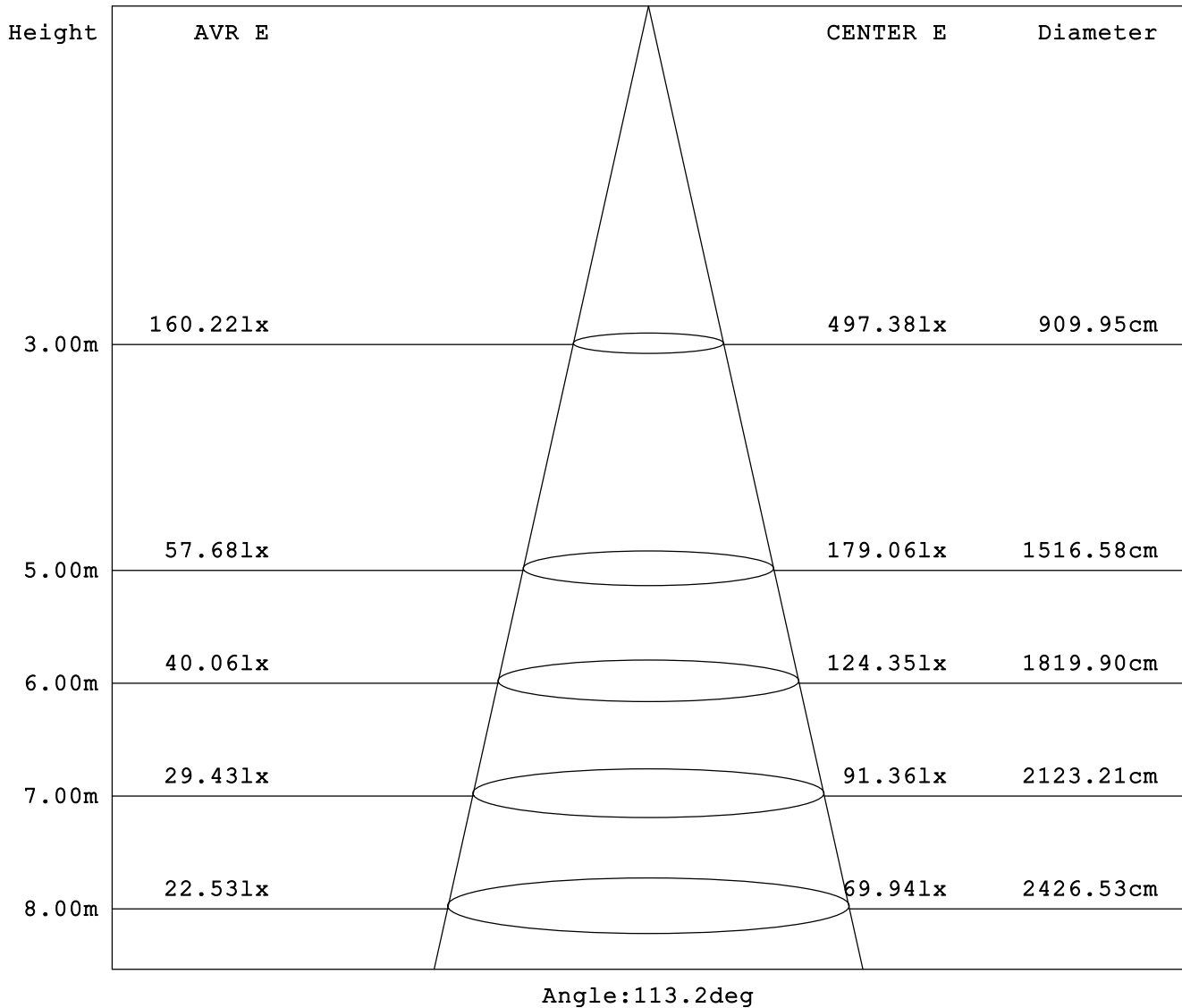
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## AVERAGE AND CENTER E Figure

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Test System:  
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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	4462	4300	4189	4225	4359	4476	4543	4553	0- 5	105.1	105.1
10.0	4524	4170	3886	4024	4323	4515	4620	4664	5- 10	312.3	417.4
15.0	4588	3994	3510	3772	4307	4541	4670	4748	10- 15	510.3	927.8
20.0	4640	3786	3092	3526	4307	4551	4672	4819	15- 20	695.9	1624
25.0	4690	3527	2549	3238	4302	4557	4627	4859	20- 25	862.2	2486
30.0	4753	3237	2041	2915	4301	4535	4559	4866	25- 30	1005	3491
35.0	4803	2888	1730	2521	4321	4496	4481	4852	30- 35	1124	4615
40.0	4834	2413	1497	2036	4320	4454	4419	4831	35- 40	1228	5843
45.0	4920	1903	1329	1602	4328	4407	4244	4797	40- 45	1315	7157
50.0	5109	1498	1213	1322	4455	4340	3833	4731	45- 50	1384	8541
55.0	5122	1198	1116	1121	4519	4232	3170	4579	50- 55	1425	9966
60.0	4857	1039	1047	951.1	4315	3902	2180	4225	55- 60	1383	11349
65.0	4355	862.5	790.5	809.8	3977	3178	1007	3486	60- 65	1236	12586
70.0	3117	596.6	228.4	584.0	3162	1912	324.0	2135	65- 70	961.9	13548
75.0	1247	215.7	136.4	200.6	1398	470.3	185.9	528.7	70- 75	565.1	14113
80.0	232.3	70.40	63.68	65.93	236.5	107.3	80.62	114.2	75- 80	194.5	14307
85.0	25.55	19.94	10.34	17.59	29.68	27.28	18.77	28.68	80- 85	36.52	14344
90.0	3.869	3.907	1.292	3.902	4.069	1.684	2.925	1.437	85- 90	5.544	14349
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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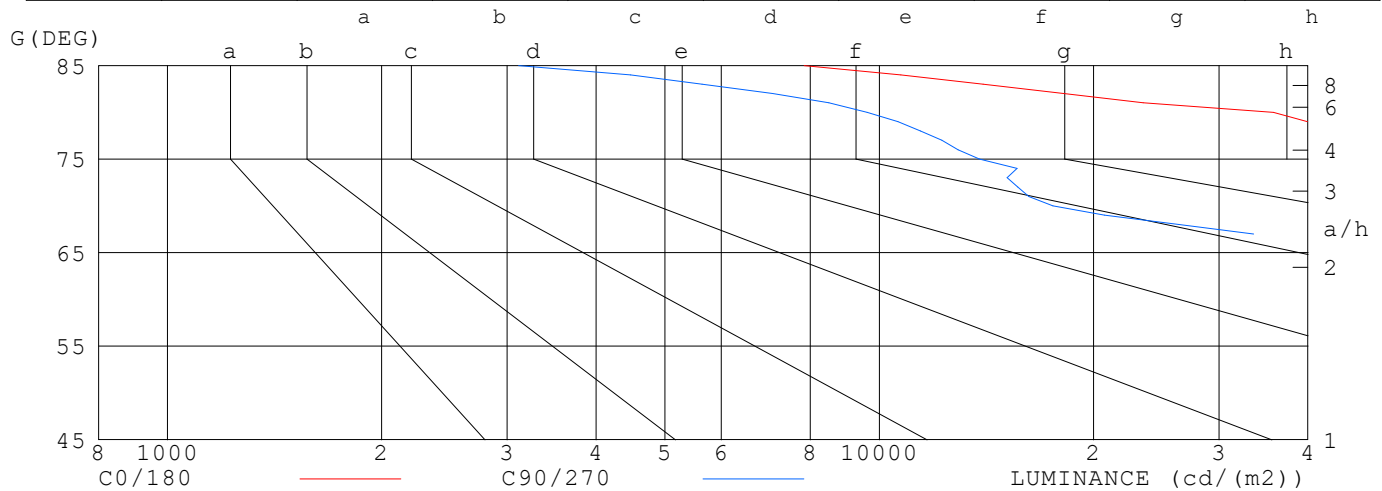
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N9040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
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



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7844	3113
80	35804	9622
75	128956	13828
70	243829	17526
65	275716	49075
60	259882	54922
55	238906	51035
50	212671	49511
45	186165	49317

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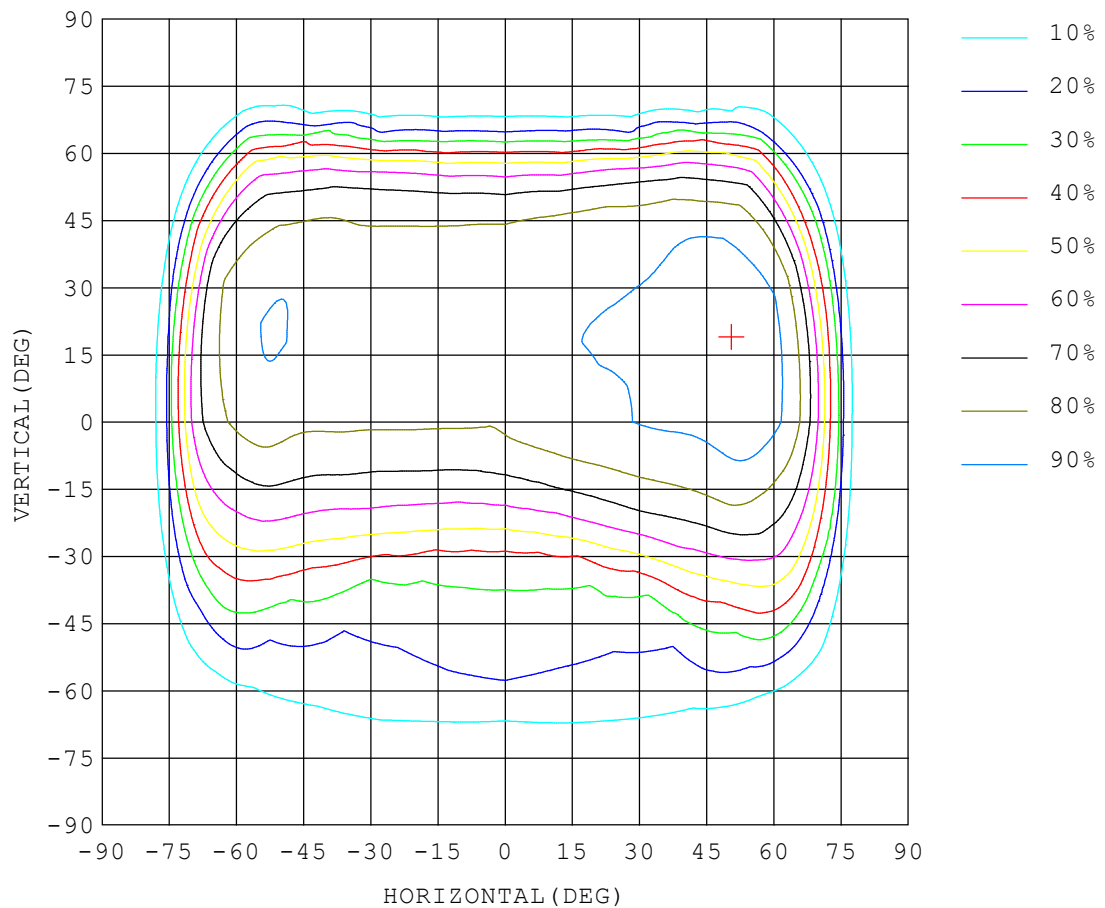
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Remarks:

## ISOCANDELA DIAGRAM

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NAME: Klose	TYPE: IL-FL19-N9040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
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