

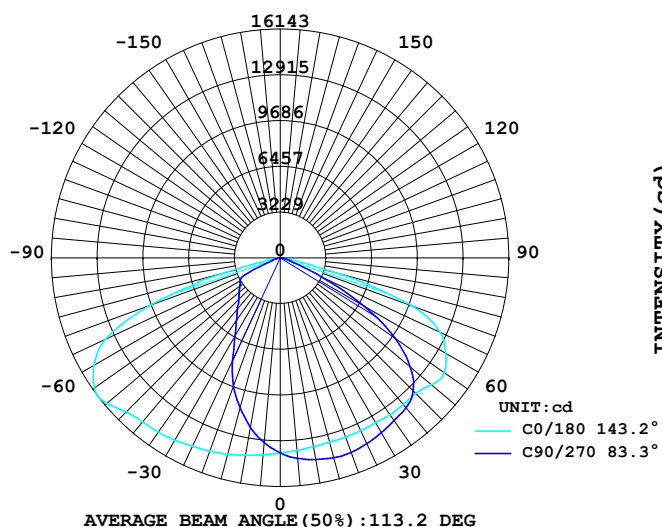
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

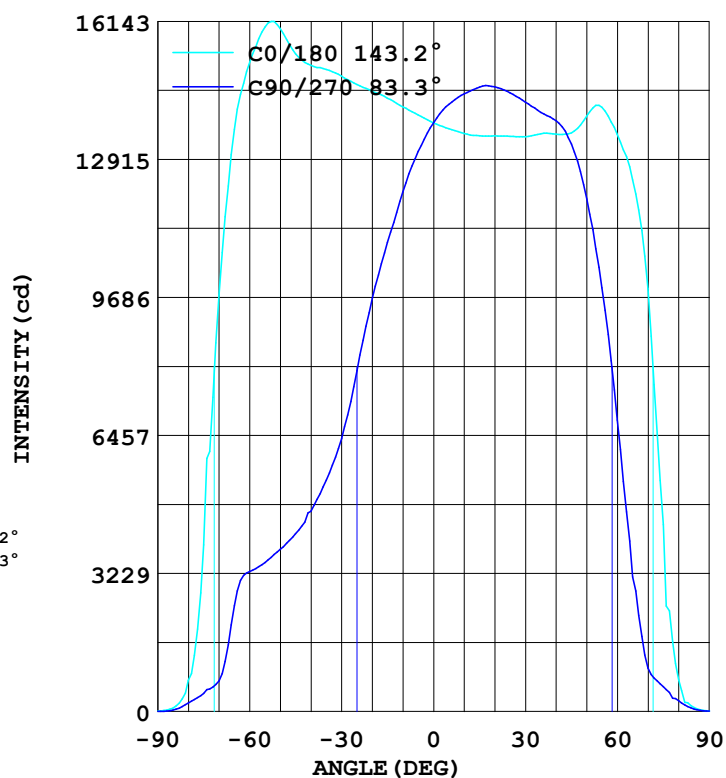
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N30040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	16932	S/MH (C0/180)	1.66
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.84
NOMINAL POWER(W)	300	TOTAL FLUX(lm)	44866	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	149.6	Current(A)	1.319
NOMINAL FLUX(lm)	44866.4	$\eta$ up (%)	0.0	Power(W)	299.8
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	44866.4	EEL	0.100

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:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N30040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

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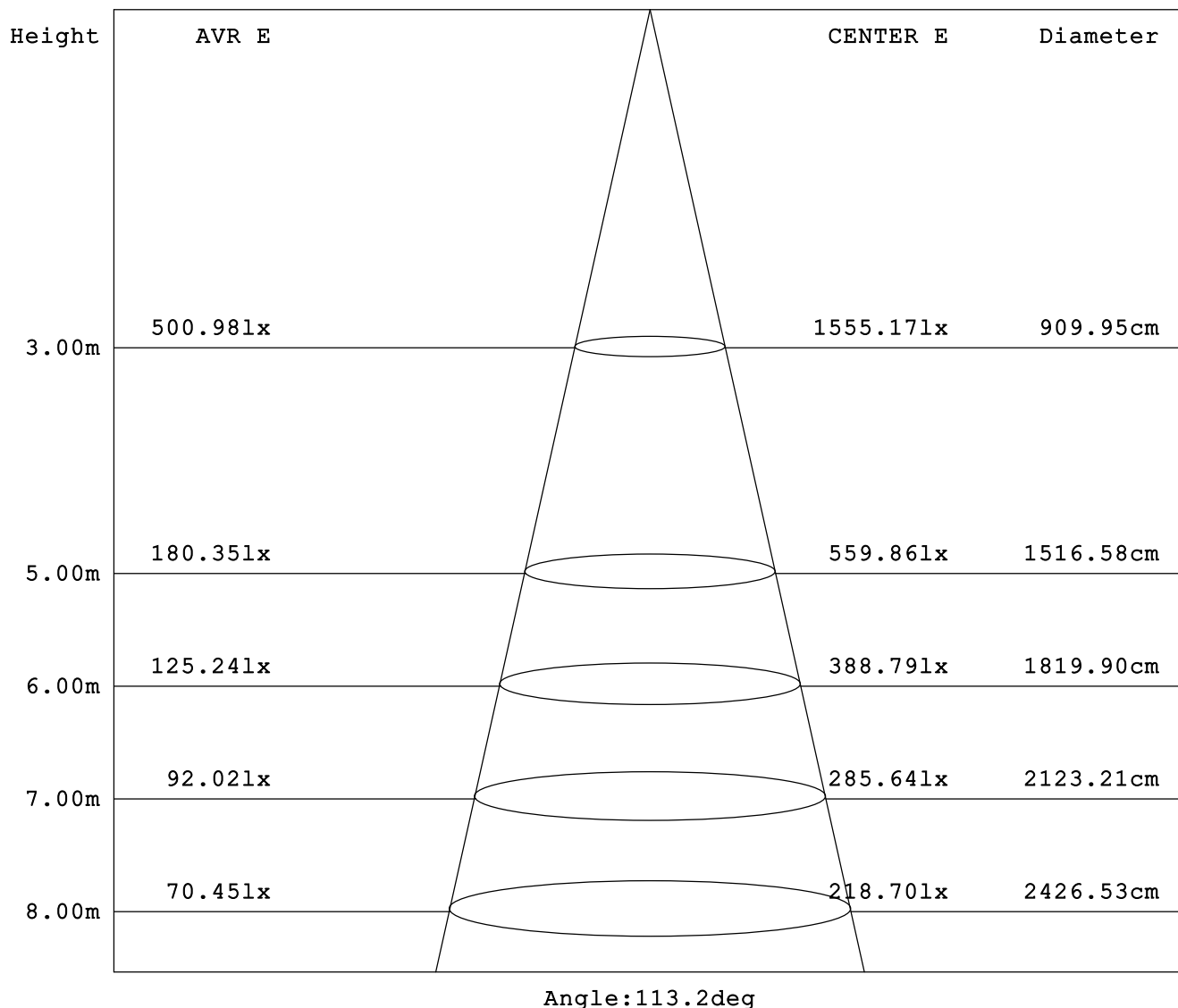
Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024.11.21

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE:IL-FL19-N30040-TY3	WEIGHT:
SPECIFICATION:2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:



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

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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N30040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1395	1345	1310	1321	1363	1400	1420	1424	0- 5	328.6	328.6
10.0	1414	1304	1215	1258	1352	1412	1445	1458	5- 10	976.5	1305
15.0	1435	1249	1097	1179	1347	1420	1460	1485	10- 15	1596	2901
20.0	1451	1184	966.6	1102	1347	1423	1461	1507	15- 20	2176	5077
25.0	1466	1103	796.9	1012	1345	1425	1447	1519	20- 25	2696	7773
30.0	1486	1012	638.0	911.5	1345	1418	1425	1522	25- 30	3141	10914
35.0	1502	902.8	540.8	788.1	1351	1406	1401	1517	30- 35	3516	14429
40.0	1511	754.4	468.0	636.4	1351	1393	1382	1510	35- 40	3839	18269
45.0	1538	594.8	415.6	500.9	1353	1378	1327	1500	40- 45	4110	22379
50.0	1598	468.2	379.2	413.3	1393	1357	1198	1479	45- 50	4328	26707
55.0	1601	374.5	348.8	350.3	1413	1323	991.1	1432	50- 55	4455	31161
60.0	1519	324.7	327.2	297.4	1349	1220	681.7	1321	55- 60	4324	35486
65.0	1362	269.6	247.1	253.2	1243	993.6	314.7	1090	60- 65	3866	39352
70.0	974.5	186.5	71.43	182.6	988.5	597.8	101.3	667.6	65- 70	3008	42360
75.0	390.0	67.44	42.65	62.72	437.0	147.0	58.14	165.3	70- 75	1767	44126
80.0	72.65	22.01	19.91	20.61	73.94	33.55	25.20	35.70	75- 80	608.3	44735
85.0	7.989	6.235	3.233	5.501	9.282	8.531	5.871	8.970	80- 85	114.2	44849
90.0	1.209	1.221	0.404	1.220	1.272	0.527	0.915	0.450	85- 90	17.33	44866
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:×10cd									UNIT:lm	

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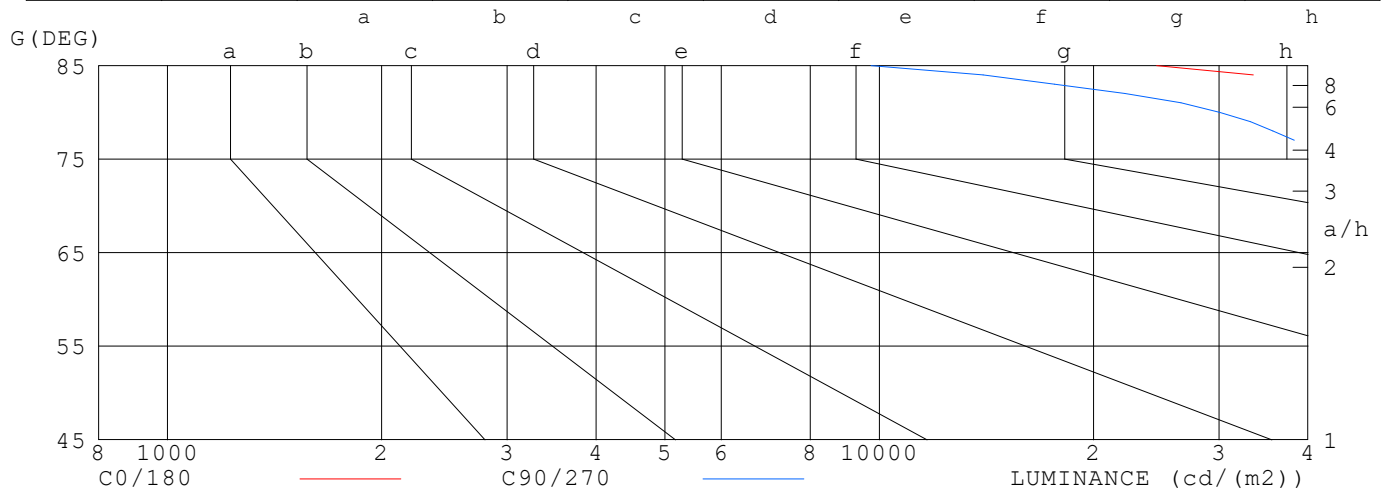
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N30040-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	24526	9734
80	111948	30084
75	403209	43236
70	762383	54797
65	862084	153445
60	812574	171724
55	746990	159572
50	664961	154807
45	582082	154199

Test System:  
 Temperature: 25.3 DEG  
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 Test Date: 2024.11.21

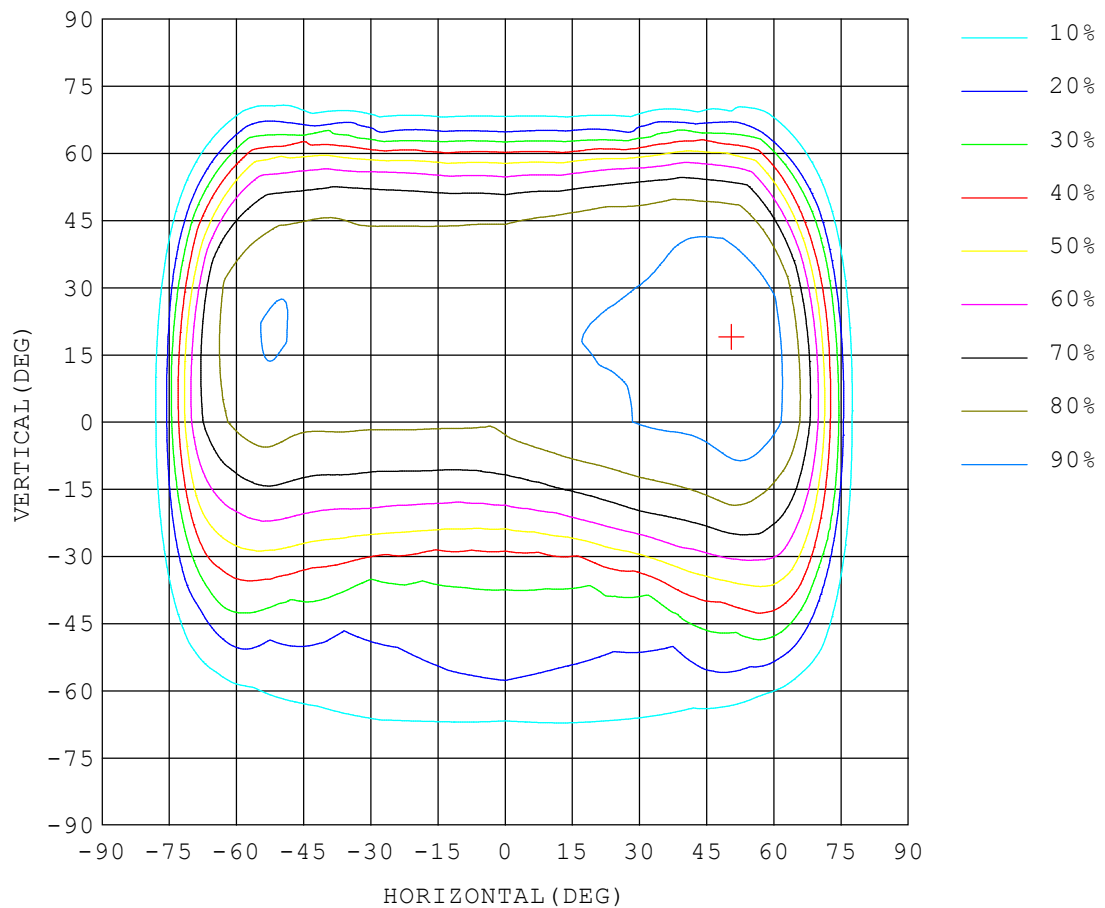
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 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Klose	TYPE: IL-FL19-N30040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

UNIT: cd



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%  
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