

LUMINAIRE PHOTOMETRIC TEST REPORT

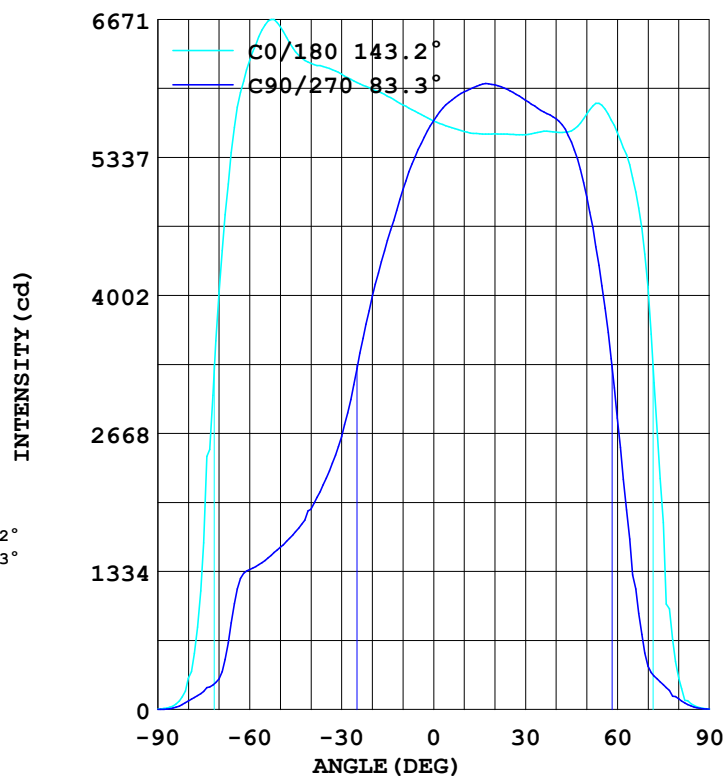
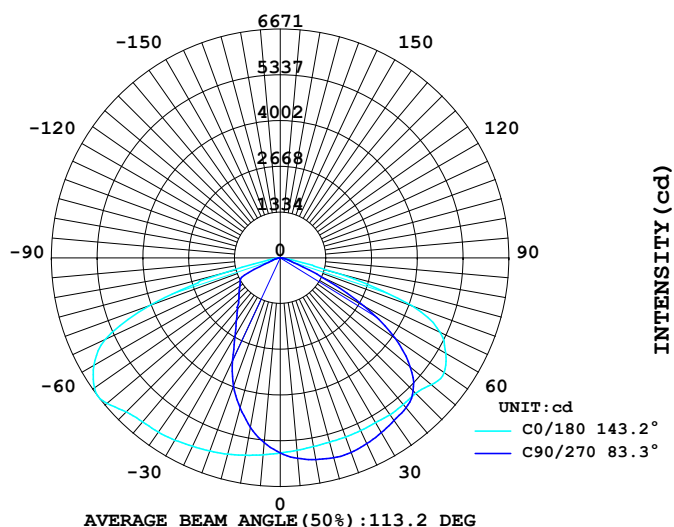
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N12040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	6996	S/MH (C0/180)	1.66
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.84
NOMINAL POWER(W)	120	TOTAL FLUX(lm)	18539	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	154.8	Current(A)	0.527
NOMINAL FLUX(lm)	18539.4	η up (%)	0.0	Power(W)	119.8
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	18539.4	EEL	0.097

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:

Color Temperature Data List

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N12040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

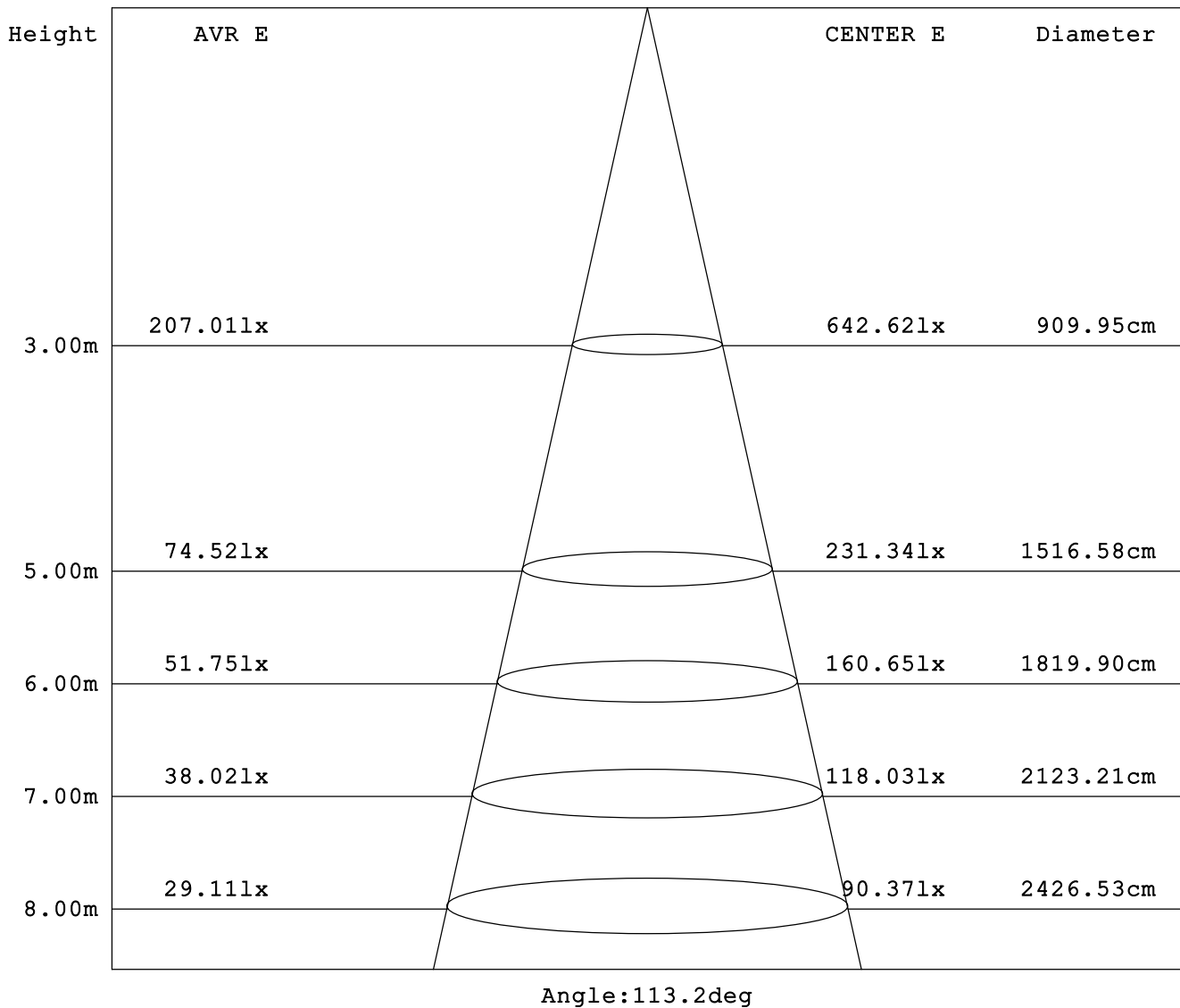
Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2024.11.21

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

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N12040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:



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

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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N12040-TY3	WEIGHT:
SPECIFICATION: 2835LED、4000K、80X150deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	5765	5556	5413	5458	5632	5783	5869	5883	0- 5	135.7	135.7
10.0	5845	5388	5021	5199	5585	5834	5969	6026	5- 10	403.5	539.3
15.0	5928	5160	4535	4873	5565	5867	6034	6135	10- 15	659.4	1199
20.0	5995	4892	3994	4555	5564	5880	6037	6226	15- 20	899.1	2098
25.0	6060	4557	3293	4184	5558	5888	5979	6277	20- 25	1114	3212
30.0	6141	4183	2637	3767	5557	5859	5890	6287	25- 30	1298	4510
35.0	6206	3731	2235	3257	5583	5808	5790	6269	30- 35	1453	5962
40.0	6245	3118	1934	2630	5581	5755	5709	6241	35- 40	1586	7549
45.0	6357	2458	1717	2070	5592	5694	5484	6197	40- 45	1698	9247
50.0	6601	1935	1567	1708	5756	5607	4952	6112	45- 50	1788	11036
55.0	6617	1548	1442	1448	5839	5468	4096	5916	50- 55	1841	12876
60.0	6275	1342	1352	1229	5576	5041	2817	5459	55- 60	1787	14663
65.0	5627	1114	1021	1046	5138	4106	1301	4504	60- 65	1598	16261
70.0	4027	770.9	295.1	754.5	4085	2471	418.6	2759	65- 70	1243	17504
75.0	1612	278.7	176.2	259.1	1806	607.7	240.2	683.1	70- 75	730.1	18234
80.0	300.2	90.95	82.28	85.18	305.5	138.6	104.1	147.5	75- 80	251.3	18485
85.0	33.01	25.76	13.36	22.73	38.35	35.25	24.26	37.06	80- 85	47.19	18532
90.0	4.999	5.048	1.670	5.042	5.258	2.176	3.780	1.857	85- 90	7.163	18539
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	

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

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

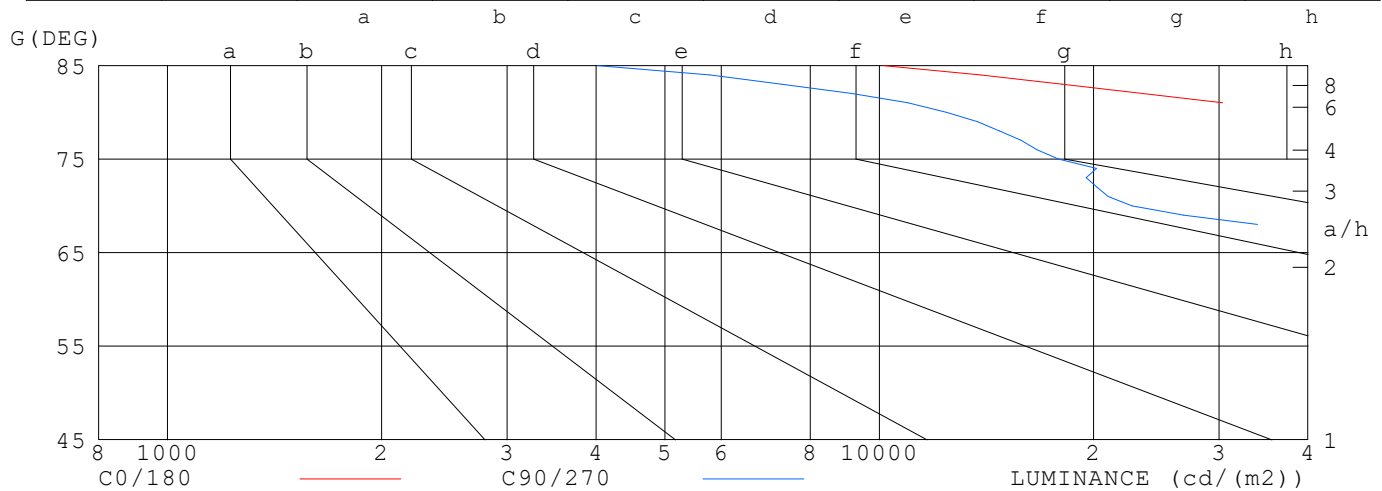
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N12040-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	10135	4022
80	46258	12431
75	166611	17866
70	315027	22643
65	356225	63405
60	335766	70959
55	308666	65937
50	274771	63968
45	240524	63717

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

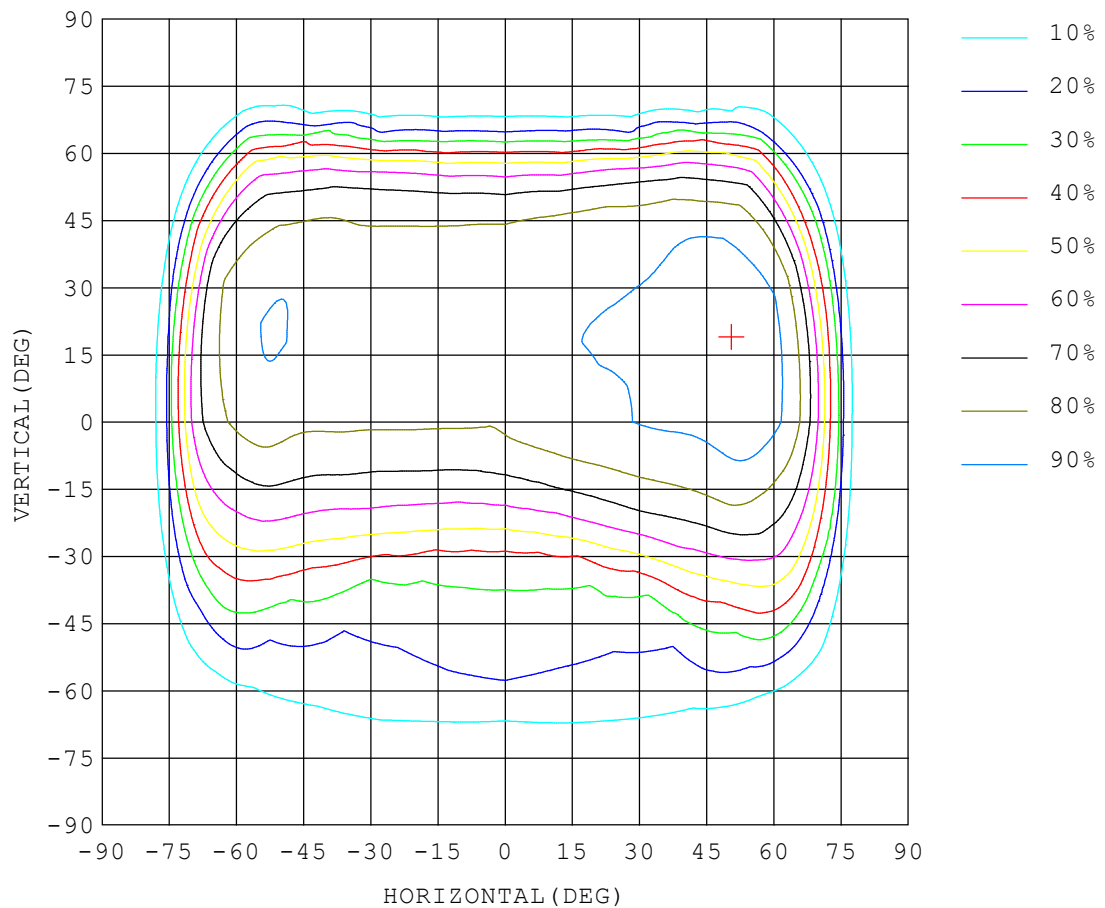
Test Set: 6.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N12040-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%
Test Distance: 10.000 m
Remarks: