

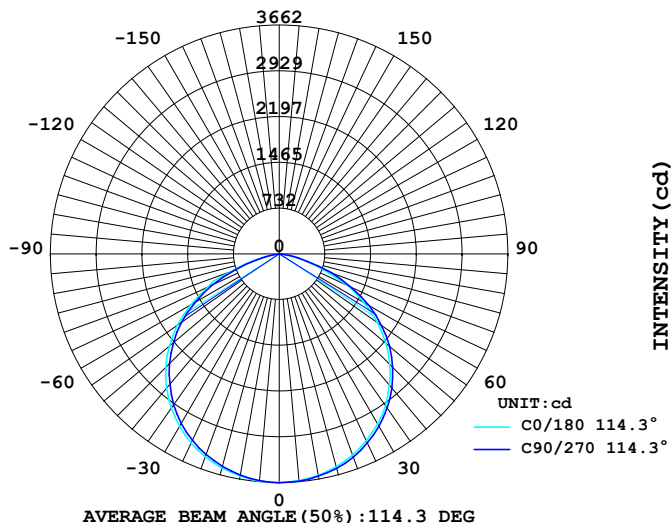
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

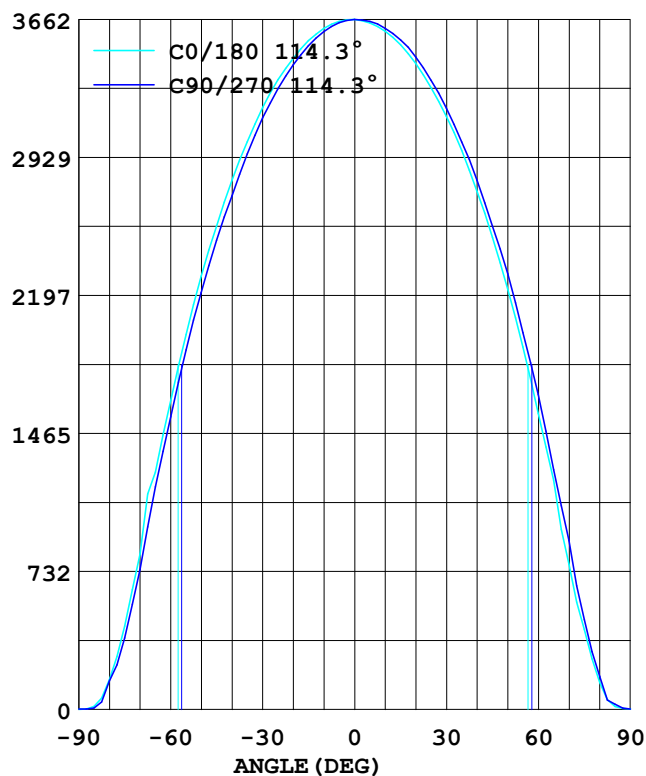
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N6040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	3662	S/MH (C0/180)	1.29
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.27
NOMINAL POWER(W)	60	TOTAL FLUX(lm)	10184	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	169.8	Current(A)	0.264
NOMINAL FLUX(lm)	10184.4	η up (%)	0.0	Power(W)	59.98
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	10184.4	EEL	0.088

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.11.19

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-N6040-110	WEIGHT:
SPECIFICATION:2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

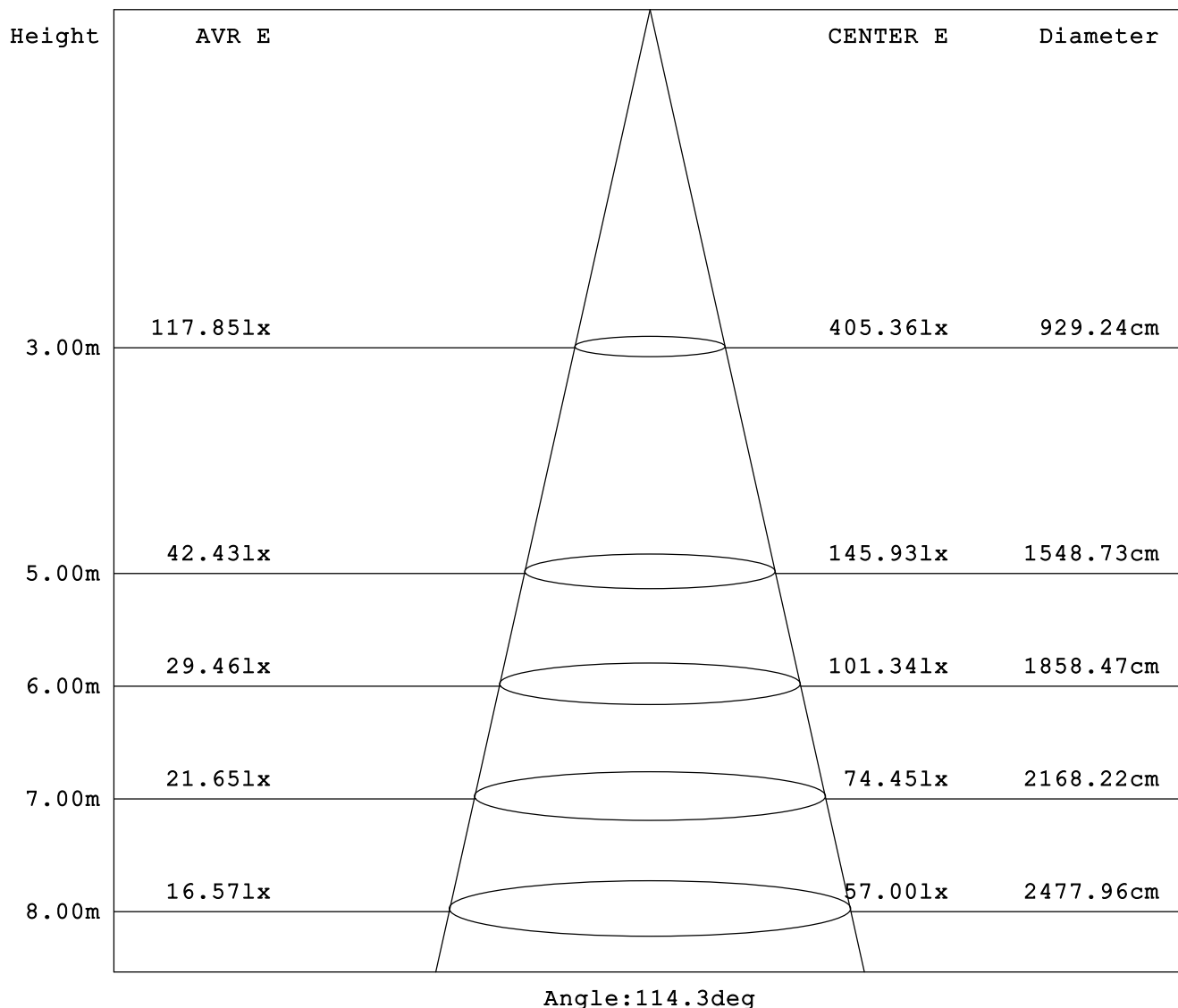
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.19

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-N6040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2024.11.19

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-N6040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	3650	3647	3644	3642	3643	3648	3651	3652	0- 5	87.36	87.36
10.0	3613	3605	3597	3597	3599	3611	3614	3618	5- 10	259.5	346.8
15.0	3548	3534	3521	3522	3527	3543	3553	3556	10- 15	423.8	770.6
20.0	3455	3432	3421	3421	3429	3451	3462	3464	15- 20	575.2	1346
25.0	3341	3309	3293	3288	3299	3325	3338	3349	20- 25	708.9	2055
30.0	3193	3159	3140	3129	3146	3171	3191	3205	25- 30	820.6	2876
35.0	3012	2972	2948	2943	2967	2994	3011	3027	30- 35	905.8	3781
40.0	2807	2762	2724	2723	2747	2781	2807	2823	35- 40	960.6	4742
45.0	2564	2517	2489	2479	2505	2544	2564	2582	40- 45	982.2	5724
50.0	2299	2252	2212	2202	2227	2264	2311	2321	45- 50	968.4	6693
55.0	1990	1940	1909	1898	1923	1967	2000	2020	50- 55	917.1	7610
60.0	1640	1609	1553	1548	1571	1627	1670	1688	55- 60	825.2	8435
65.0	1259	1230	1181	1187	1217	1267	1273	1310	60- 65	695.1	9130
70.0	824.0	788.1	742.5	754.7	771.0	801.4	896.5	904.9	65- 70	524.9	9655
75.0	442.0	441.3	379.6	404.3	424.2	467.6	475.7	504.8	70- 75	327.7	9983
80.0	156.5	152.3	150.0	133.8	142.8	161.8	175.5	189.4	75- 80	156.5	10140
85.0	15.88	17.92	7.836	13.19	16.30	23.51	27.86	32.69	80- 85	40.34	10180
90.0	1.039	1.903	2.040	2.203	2.694	2.189	2.735	2.203	85- 90	4.506	10184
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:2024.11.19

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

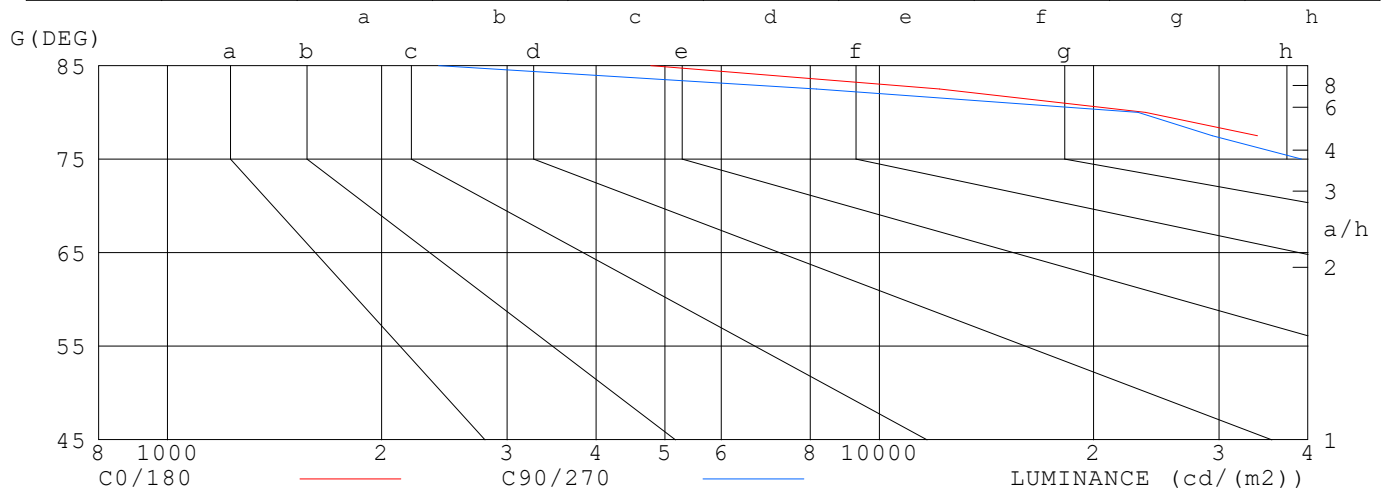
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N6040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	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	4778	2403
80	23638	23096
75	44777	39208
70	63171	58029
65	78088	74704
60	85986	83002
55	90959	88945
50	93790	91986
45	95088	94080

Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.11.19

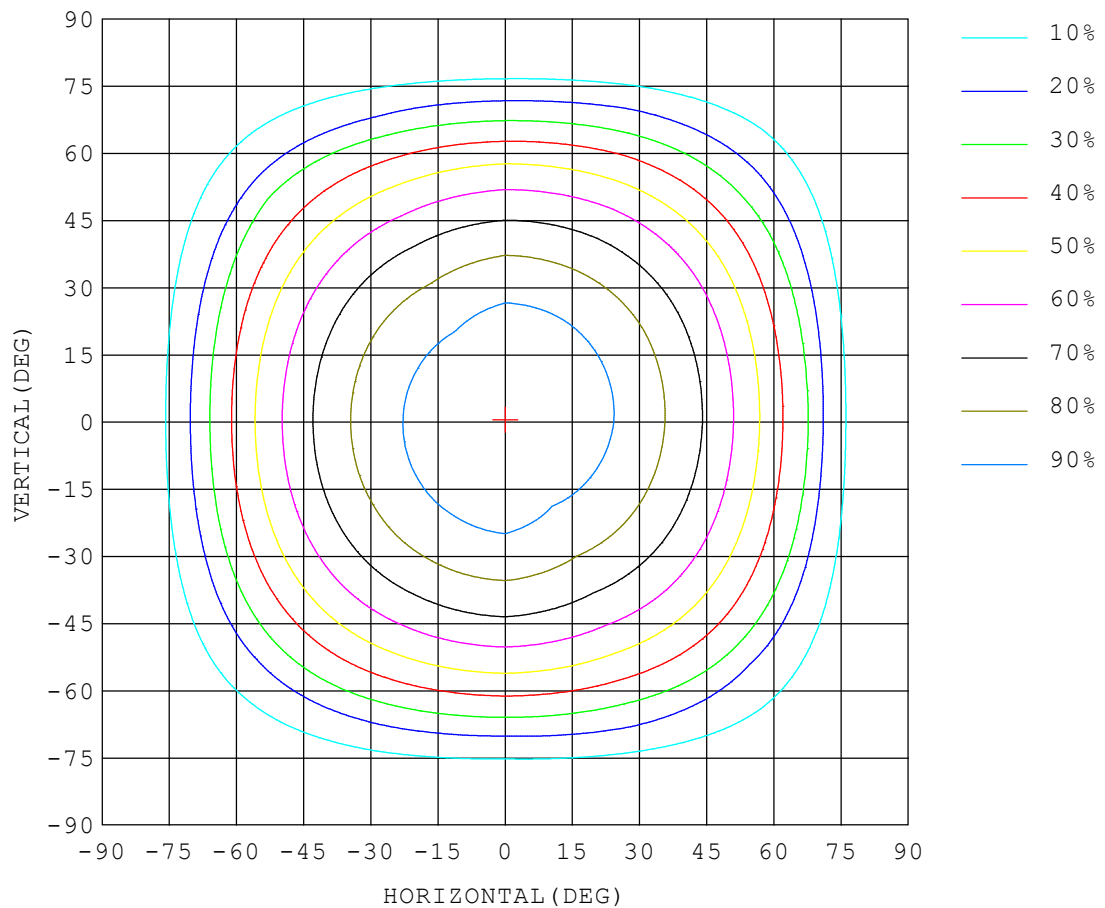
Test Set: 6.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N6040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.11.19

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