

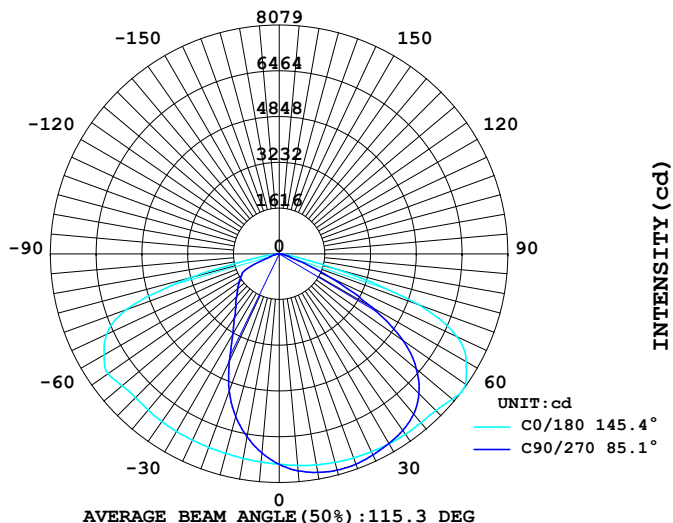
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

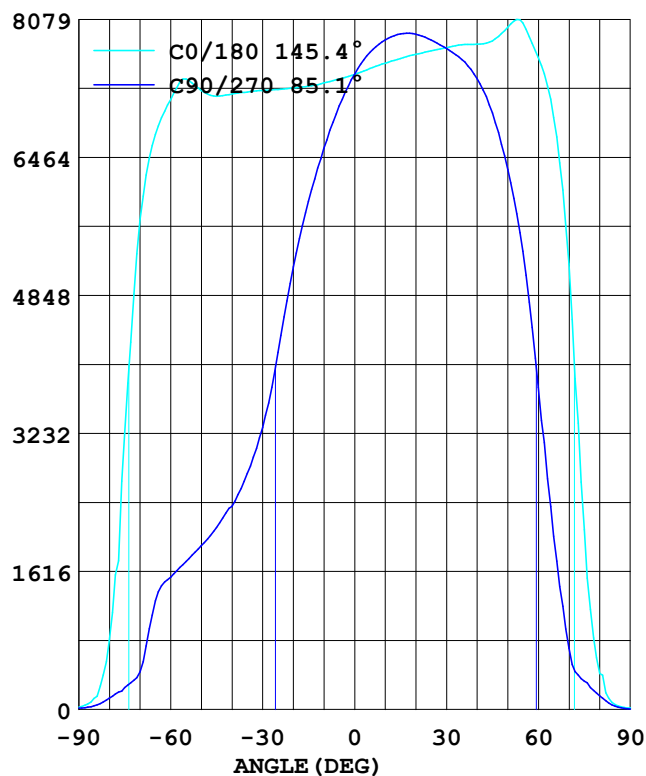
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N15040-TY2	WEIGHT:
SPECIFICATION: 2835LED、4000K、type2	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	8582	S/MH (C0/180)	1.50
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.83
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	24002	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	159.8	Current(A)	0.660
NOMINAL FLUX(lm)	24002.0	η up (%)	0.0	Power(W)	150.1
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	24002.0	EEI	0.094

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.11.18

Test Set: 5.0 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-N15040-TY2	WEIGHT:
SPECIFICATION:2835LED、4000K、type2	DIMENSION:	SERIAL No.:

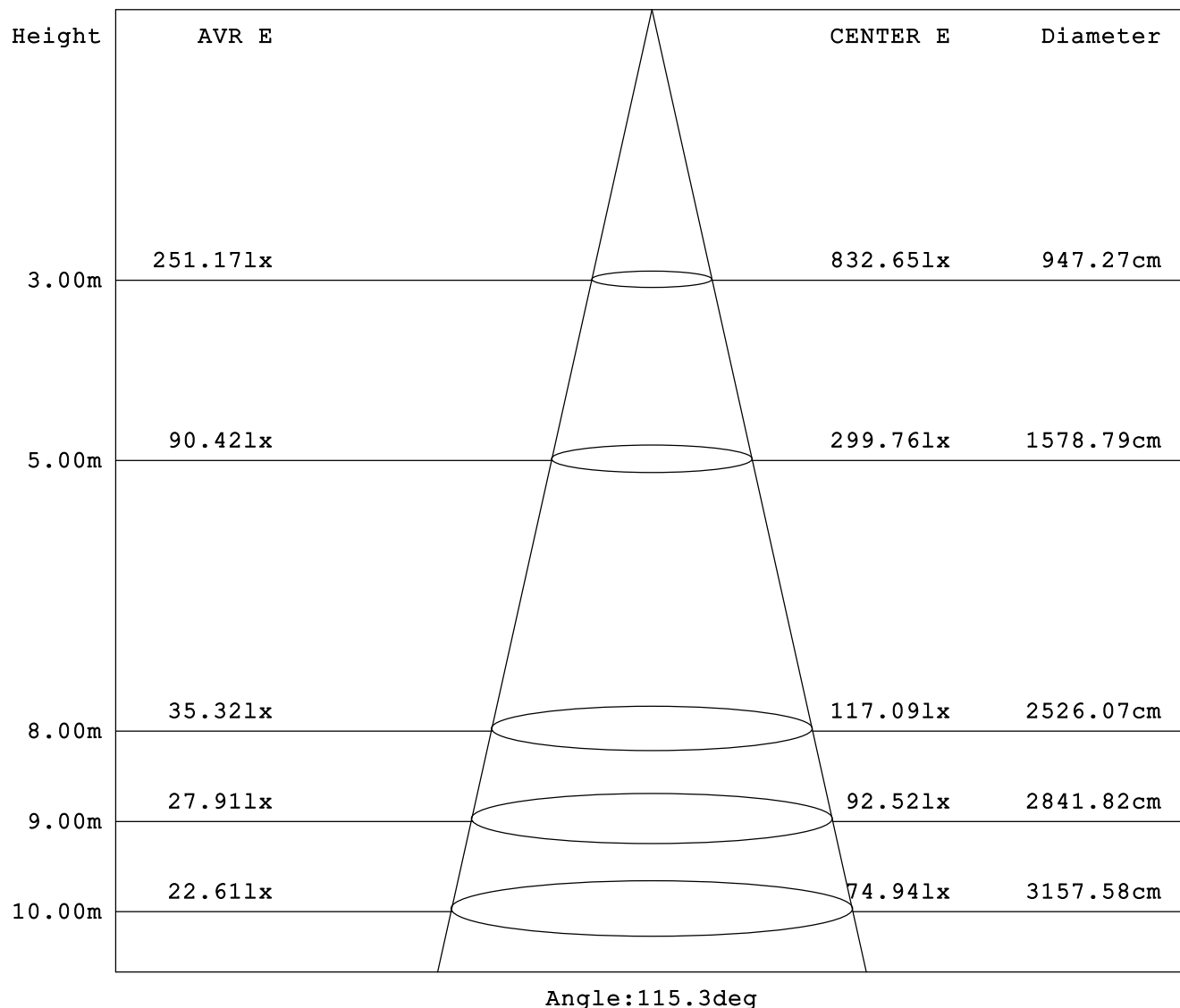
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.18

Test Set: 5.0deg/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-N15040-TY2	WEIGHT:
SPECIFICATION: 2835LED、4000K、type2	DIMENSION:	SERIAL No.:



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2024.11.18

Test Set: 5.0deg/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-N15040-TY2	WEIGHT:
SPECIFICATION: 2835LED、4000K、type2	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	7380	7135	7065	7239	7503	7686	7692	7577	0- 5	177.4	177.4
10.0	7334	6793	6569	6986	7566	7867	7837	7665	5- 10	527.0	704.4
15.0	7296	6409	5947	6681	7621	7983	7908	7710	10- 15	861.1	1566
20.0	7276	6006	5180	6335	7670	8059	7905	7721	15- 20	1171	2737
25.0	7258	5526	4181	5913	7709	8092	7838	7696	20- 25	1445	4182
30.0	7246	4943	3299	5373	7749	8083	7739	7645	25- 30	1677	5859
35.0	7229	4235	2764	4666	7781	8049	7610	7575	30- 35	1870	7728
40.0	7205	3380	2377	3769	7788	8006	7386	7508	35- 40	2033	9761
45.0	7179	2669	2132	2893	7827	7922	6982	7419	40- 45	2163	11925
50.0	7245	2193	1918	2250	7986	7771	6319	7272	45- 50	2259	14184
55.0	7382	1843	1734	1821	8036	7522	5363	7021	50- 55	2307	16491
60.0	7141	1543	1550	1477	7633	6921	3772	6518	55- 60	2246	18737
65.0	6732	1277	1274	1192	6932	5739	2030	5506	60- 65	2024	20761
70.0	5737	1023	441.6	849.0	5213	3742	716.8	3820	65- 70	1637	22398
75.0	3232	535.8	256.8	268.8	2103	1067	329.9	1472	70- 75	1038	23436
80.0	807.8	144.8	133.2	92.93	421.7	194.3	160.0	307.7	75- 80	437.0	23873
85.0	130.2	46.84	41.86	25.95	58.37	62.05	38.89	110.6	80- 85	109.5	23982
90.0	27.98	13.86	15.20	13.71	20.65	17.76	6.999	25.68	85- 90	19.59	24002
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:2024.11.18

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

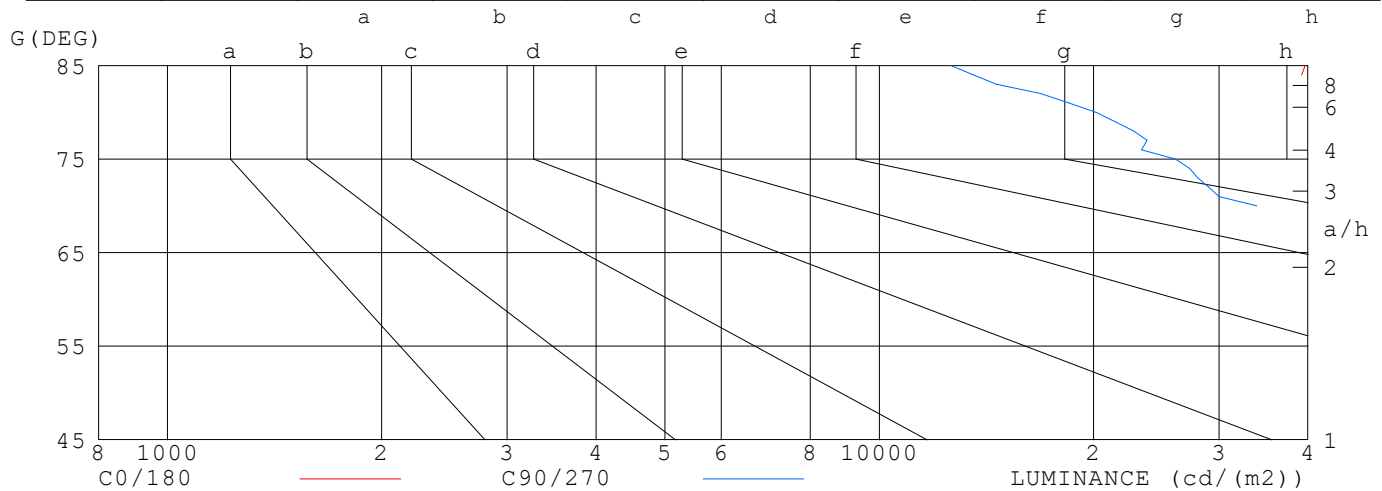
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N15040-TY2	WEIGHT:
SPECIFICATION: 2835LED、4000K、type2	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 $\text{cd}/(\text{m}^2)$		
G (DEG)	C0/180	C90/270
85	39631	12615
80	123399	20156
75	331233	26063
70	444915	33915
65	422555	79162
60	378859	81448
55	341373	79426
50	298996	78393
45	269324	79197

Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.11.18

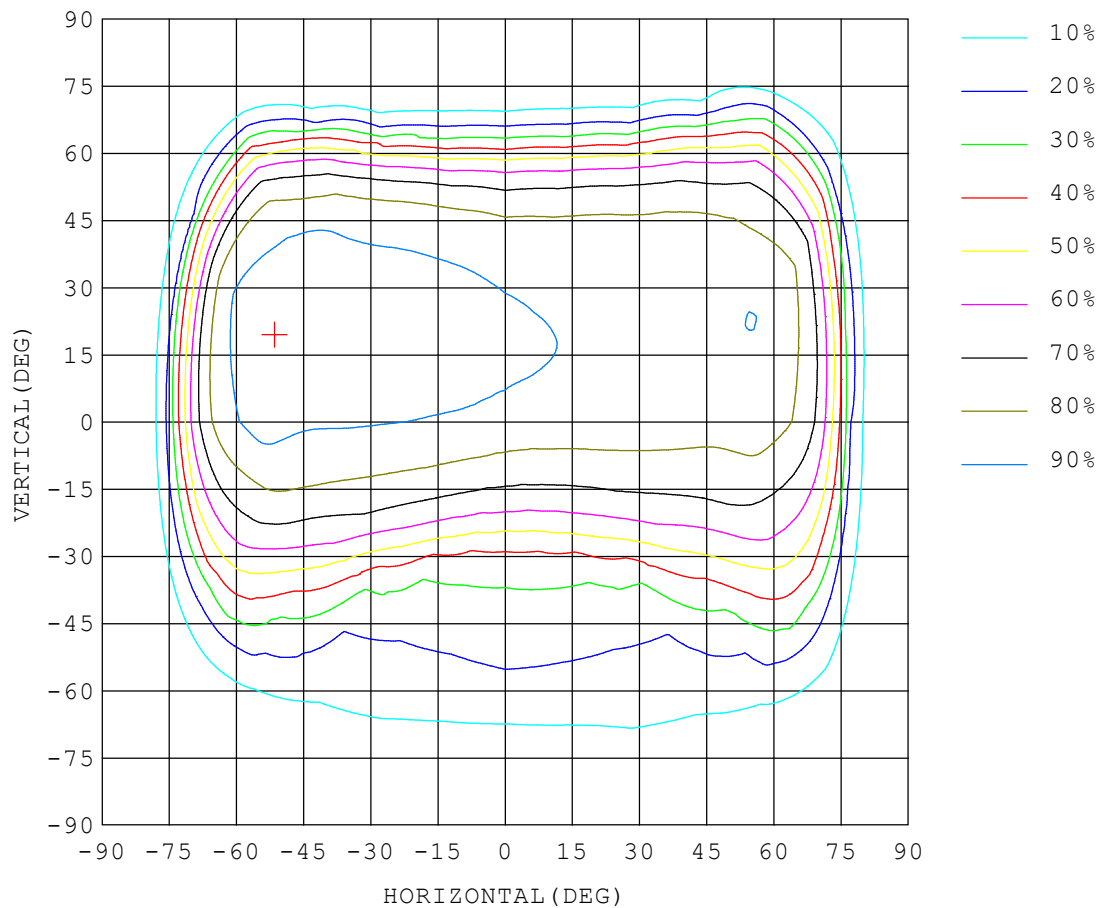
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N15040-TY2	WEIGHT:
SPECIFICATION: 2835LED、4000K、type2	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.11.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: