

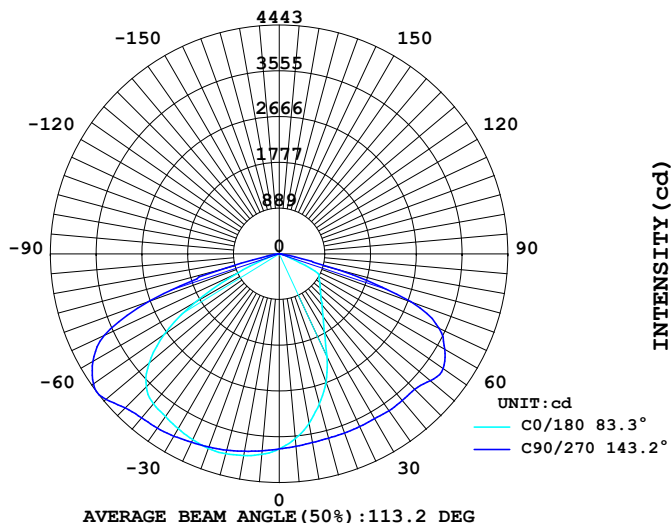
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

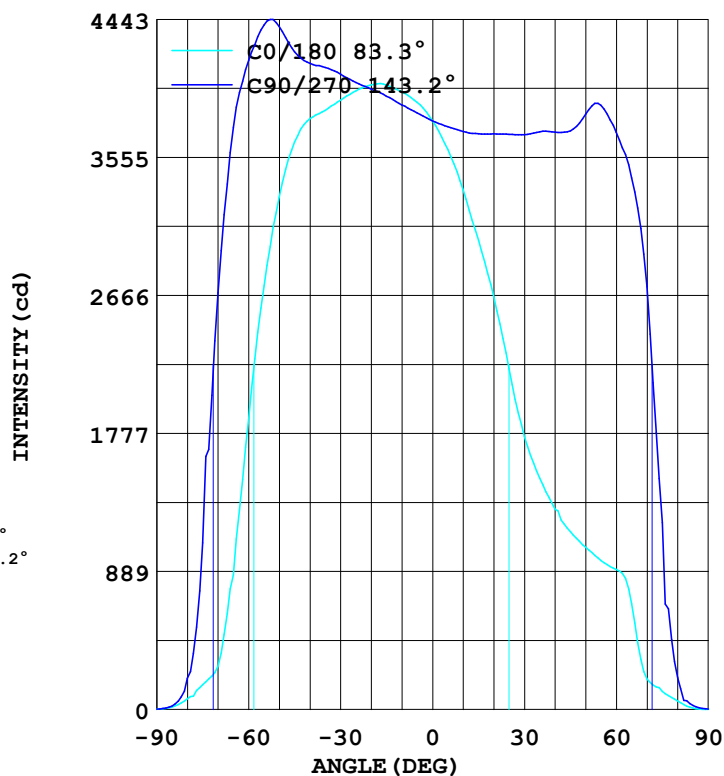
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-FL19-N8040-TY3	TYPE: 4000K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	4660	S/MH (C0/180)	1.55
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.66
NOMINAL POWER(W)	80	TOTAL FLUX(lm)	12349	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	154.8	Current(A)	0.351
NOMINAL FLUX(lm)	12349.4	η up (%)	0.0	Power(W)	79.80
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	12349.4	EEI	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

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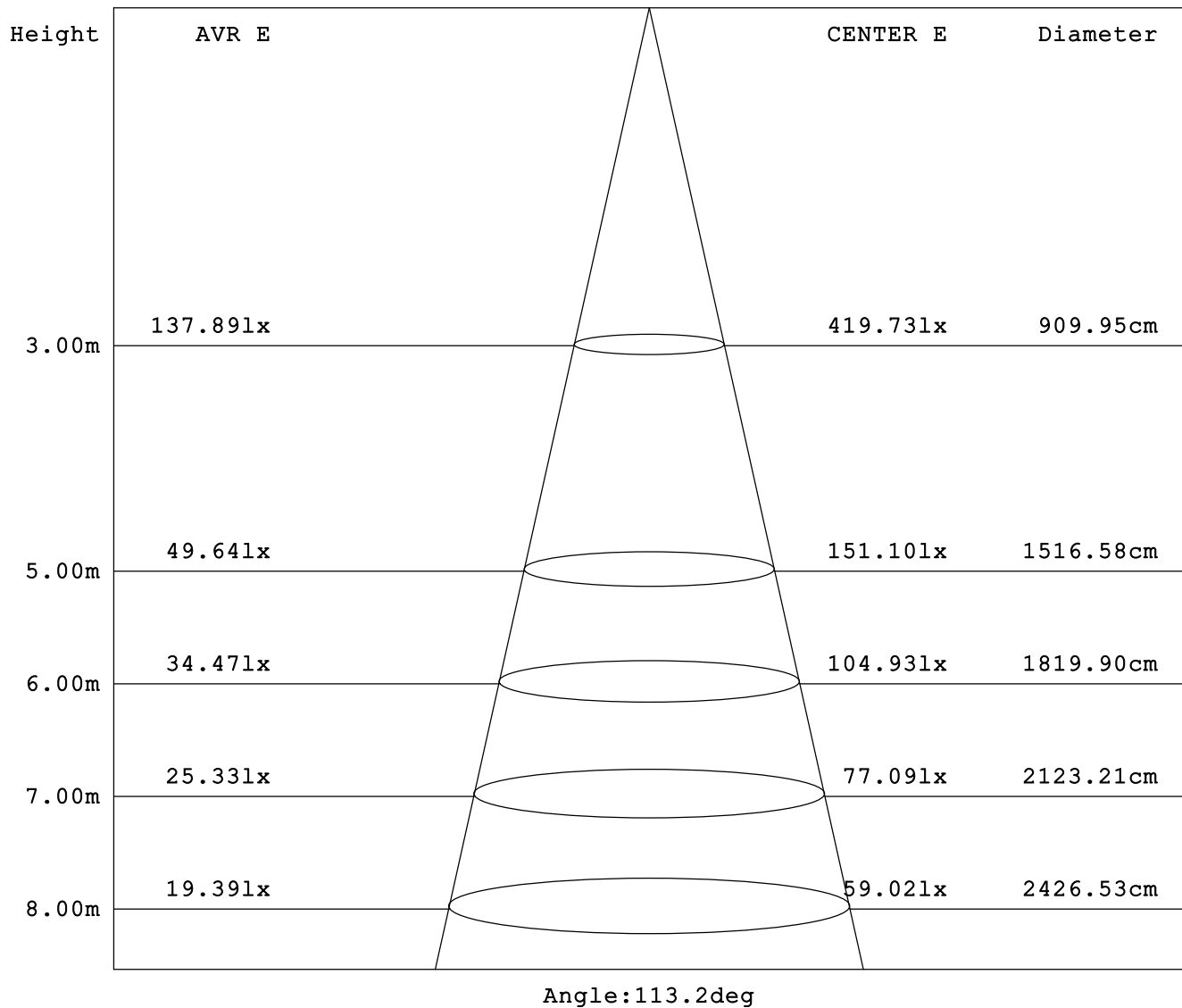
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AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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SPECIFICATION: 2835 LED	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	3910	3919	3840	3701	3605	3636	3752	3852	0- 5	90.45	90.45
10.0	3976	4014	3893	3589	3345	3463	3721	3886	5- 10	268.7	359.2
15.0	4019	4087	3949	3437	3021	3246	3707	3908	10- 15	439.2	798.5
20.0	4021	4147	3993	3259	2661	3034	3706	3917	15- 20	598.9	1397
25.0	3983	4181	4036	3036	2194	2787	3702	3922	20- 25	742.0	2140
30.0	3923	4188	4091	2786	1756	2509	3701	3903	25- 30	864.5	3004
35.0	3857	4176	4134	2485	1489	2170	3719	3869	30- 35	967.6	3972
40.0	3803	4157	4160	2077	1288	1752	3718	3833	35- 40	1057	5028
45.0	3653	4128	4234	1637	1144	1379	3725	3793	40- 45	1131	6160
50.0	3299	4071	4397	1289	1044	1138	3834	3735	45- 50	1191	7351
55.0	2728	3941	4408	1031	960.2	964.4	3889	3643	50- 55	1226	8577
60.0	1876	3636	4180	893.8	900.8	818.6	3714	3358	55- 60	1190	9767
65.0	866.3	3000	3748	742.3	680.3	696.9	3423	2735	60- 65	1064	10831
70.0	278.8	1838	2682	513.5	196.6	502.6	2721	1646	65- 70	827.9	11659
75.0	160.0	455.0	1074	185.6	117.4	172.6	1203	404.8	70- 75	486.3	12146
80.0	69.39	98.28	199.9	60.58	54.80	56.74	203.5	92.36	75- 80	167.4	12313
85.0	16.16	24.69	21.99	17.16	8.900	15.14	25.55	23.48	80- 85	31.43	12345
90.0	2.517	1.237	3.330	3.362	1.112	3.358	3.502	1.449	85- 90	4.771	12349
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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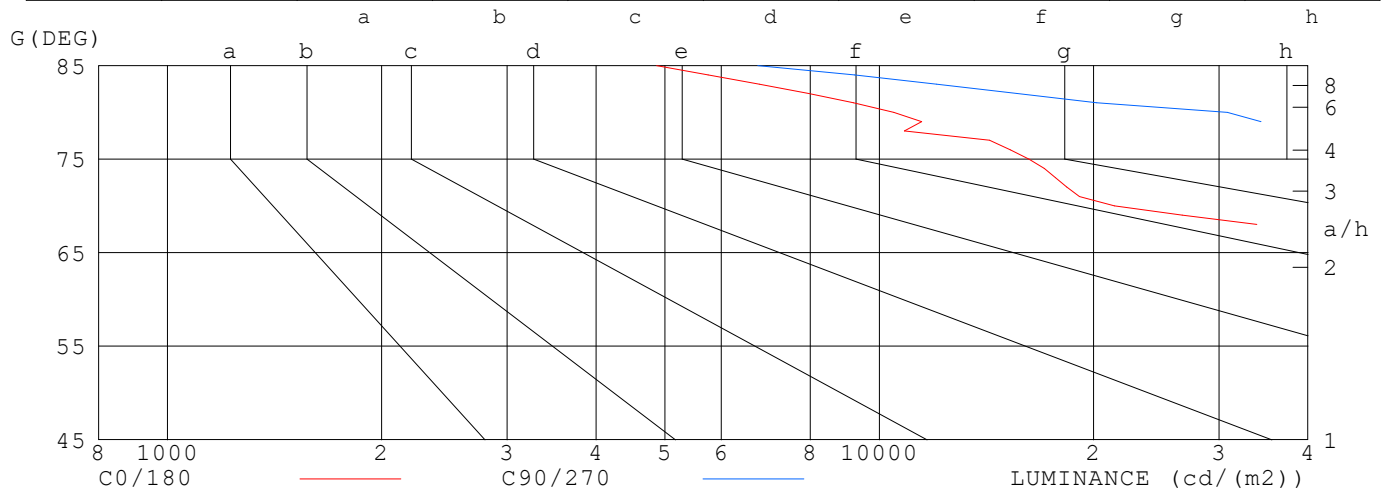
LUMINANCE LIMITATION CURVES

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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	4865	6751
80	10483	30813
75	16222	110983
70	21389	209845
65	53780	237287
60	98454	223660
55	124781	205608
50	134626	183029
45	135522	160217

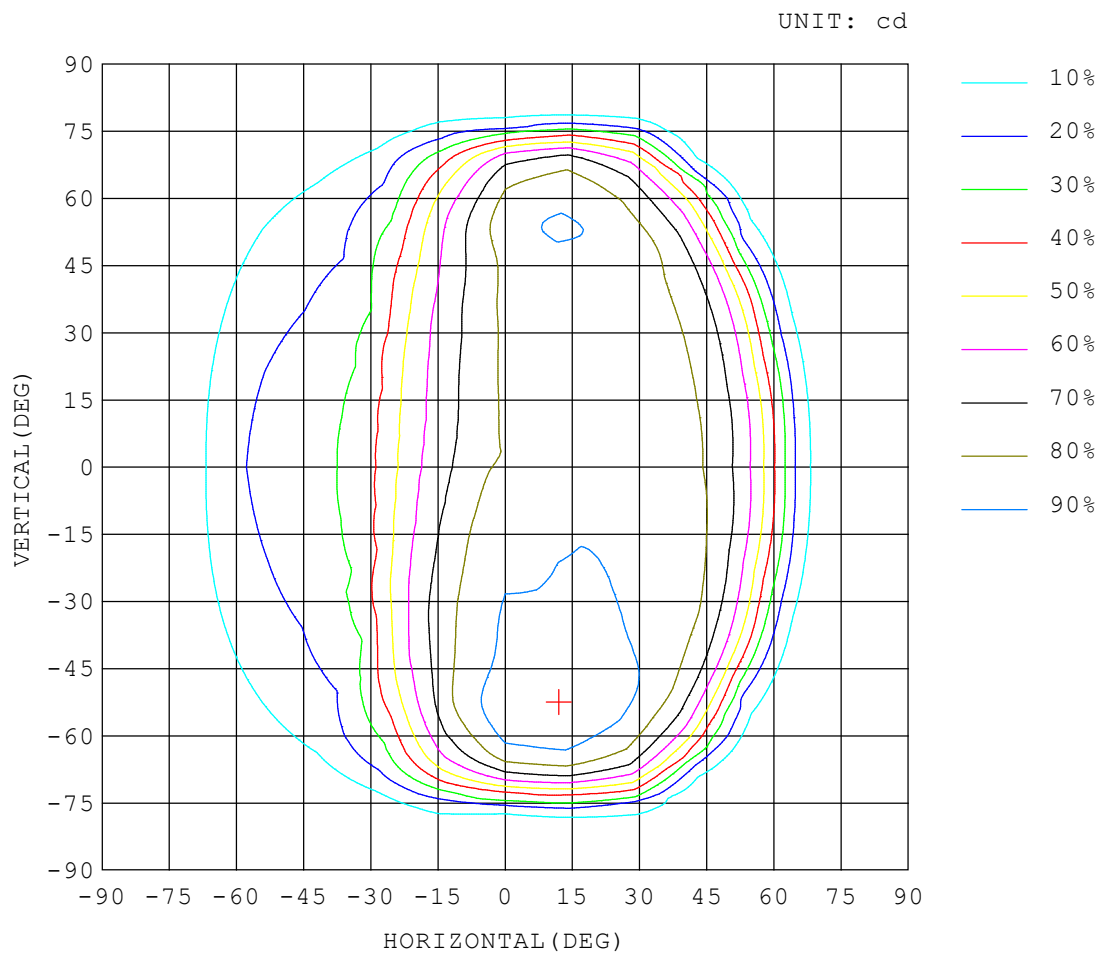
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