Photometric test report

Family
Spot 31



Order number: 51SF127A33A
EAN: 4058352465110

Version	Combined lens and reflector optics, medium distribution
Lamps	LED 3000 K | CRI ≥ 80
Controlgear	ECG
Rated values	Net luminous flux = 3000 lm Power consumption = 26.0 W Luminous efficacy = 115.4 lm/W

LP number
59092_67

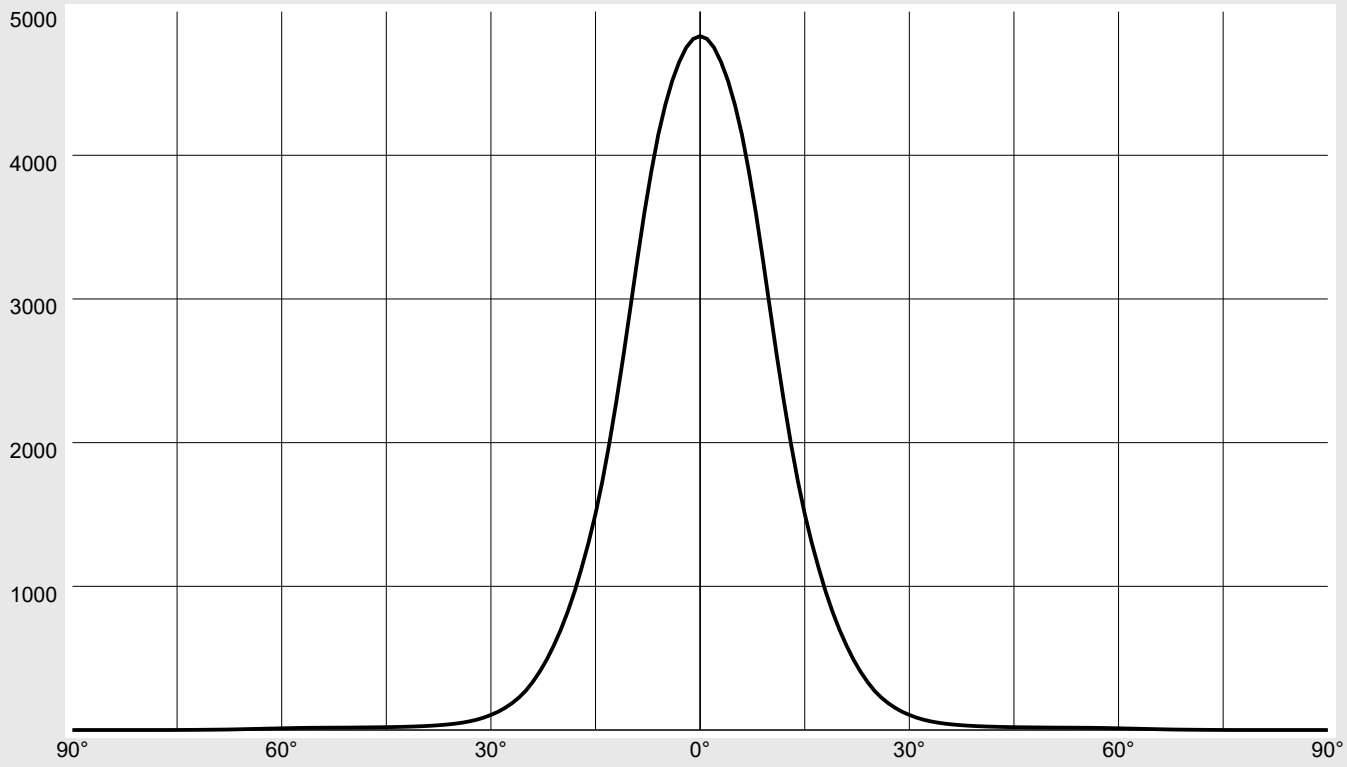
serial documentation
03.05.2021

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Luminous intensity in cd/klm

C180-0

Imax: 4830 cd/klm



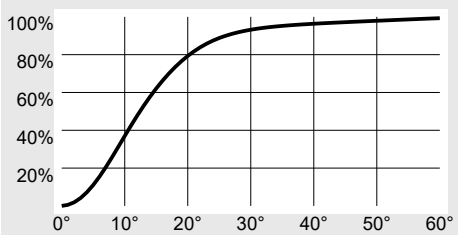
Peak divergence

Halfpeak divergence	11.6°
One-tenth peak divergence	22.1°

Luminaire light output ratio

Eta	100.0%

Luminous flux curve



Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities

Maximum luminous intensity

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	4829.6	1.2	1.2
1°	4809.8	9.2	10.4
2°	4749.4	18.2	28.5
3°	4649.3	26.7	55.2
4°	4518.7	34.6	89.8
5°	4349.4	41.6	131.4
6°	4143.1	47.5	178.8
7°	3886.7	51.9	230.8
8°	3598.0	54.9	285.7
9°	3275.7	56.2	341.9
10°	2938.0	55.9	397.8
11°	2603.9	54.5	452.3
12°	2291.2	52.2	504.6
13°	1999.7	49.3	553.9
14°	1736.0	46.1	599.9
15°	1504.7	42.7	642.7
16°	1304.0	39.4	682.1
17°	1127.0	36.1	718.2
18°	963.4	32.6	750.9
19°	821.3	29.3	780.2
20°	695.7	26.1	806.3
21°	586.6	23.1	829.3
22°	489.2	20.1	849.4
23°	406.2	17.4	866.8
24°	334.7	14.9	881.7
25°	273.1	12.7	894.4
26°	225.2	10.8	905.2
27°	185.6	9.2	914.5
28°	153.3	7.9	922.4
29°	126.3	6.7	929.1
30°	105.0	5.8	934.8
31°	86.8	4.9	939.7
32°	72.3	4.2	943.9
33°	60.9	3.6	947.6
34°	51.9	3.2	950.8
35°	45.0	2.8	953.6
36°	39.5	2.5	956.1
37°	35.1	2.3	958.5
38°	31.6	2.1	960.6
39°	28.6	2.0	962.6
40°	26.3	1.9	964.4
41°	24.4	1.8	966.2
42°	22.9	1.7	967.9
43°	21.7	1.6	969.5
44°	20.7	1.6	971.0
45°	19.8	1.5	972.6
46°	19.1	1.5	974.1
47°	18.5	1.5	975.6
48°	18.1	1.5	977.1
49°	17.8	1.5	978.5
50°	17.2	1.4	980.0
51°	16.8	1.4	981.4
52°	16.5	1.4	982.8
53°	16.3	1.4	984.2
54°	16.0	1.4	985.7
55°	15.7	1.4	987.1
56°	15.3	1.4	988.5
57°	14.7	1.4	989.8
58°	13.9	1.3	991.1
59°	12.9	1.2	992.3
60°	11.9	1.1	993.5
61°	10.8	1.0	994.5
62°	9.7	0.9	995.4
63°	8.6	0.8	996.3
64°	7.4	0.7	997.0
65°	6.3	0.6	997.6
66°	5.2	0.5	998.1
67°	4.1	0.4	998.6
68°	3.2	0.3	998.9
69°	2.7	0.3	999.2
70°	2.2	0.2	999.4
71°	1.7	0.2	999.6
72°	1.3	0.1	999.7
73°	0.9	0.1	999.8
74°	0.6	0.1	999.9
75°	0.4	0.0	999.9
76°	0.2	0.0	999.9
77°	0.1	0.0	999.9
78°	0.1	0.0	999.9
79°	0.1	0.0	1000.0
80°	0.1	0.0	1000.0
81°	0.1	0.0	1000.0
82°	0.1	0.0	1000.0
83°	0.0	0.0	1000.0
84°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
86°	0.0	0.0	1000.0
87°	0.0	0.0	1000.0
88°	0.0	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0