

Photometric test report

Family
Floodlight 20 midi LED

Order number: 5XA7682E3D1AC
EAN: 4058352223611

LP number
58577_18



Version	mounting bracket
Optic	asymmetric distribution PL52
Cover	toughened safety glass
Lamps	1 x LED 5000K / CRI ≥ 70 (unbekannt LED 5000K / CRI = 70)
Controlgear	ECG-DALI
Rated values	Net luminous flux = 27250 lm Power consumption = 207.8 W Luminous efficacy = 131.1 lm/W

serial
documentation
25.08.2021

siteco

Luminous intensity in cd/klm

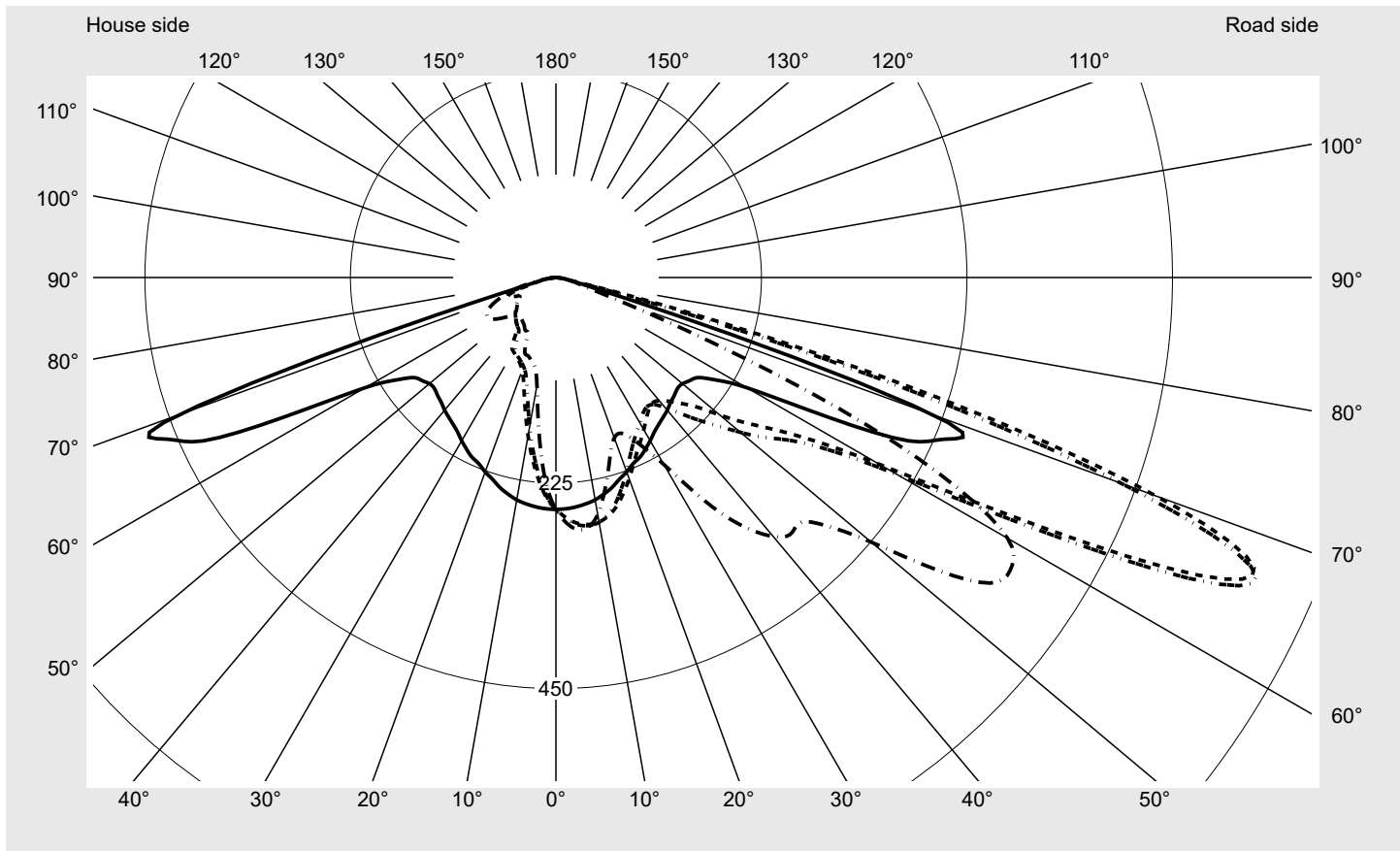
C180-0

C215-35

C220-40

C270-90

Imax: 827 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Luminous intensity class acc. to EN13201-2

Class:	G3
Imax 70°	767.0
Imax 80°	23.0
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

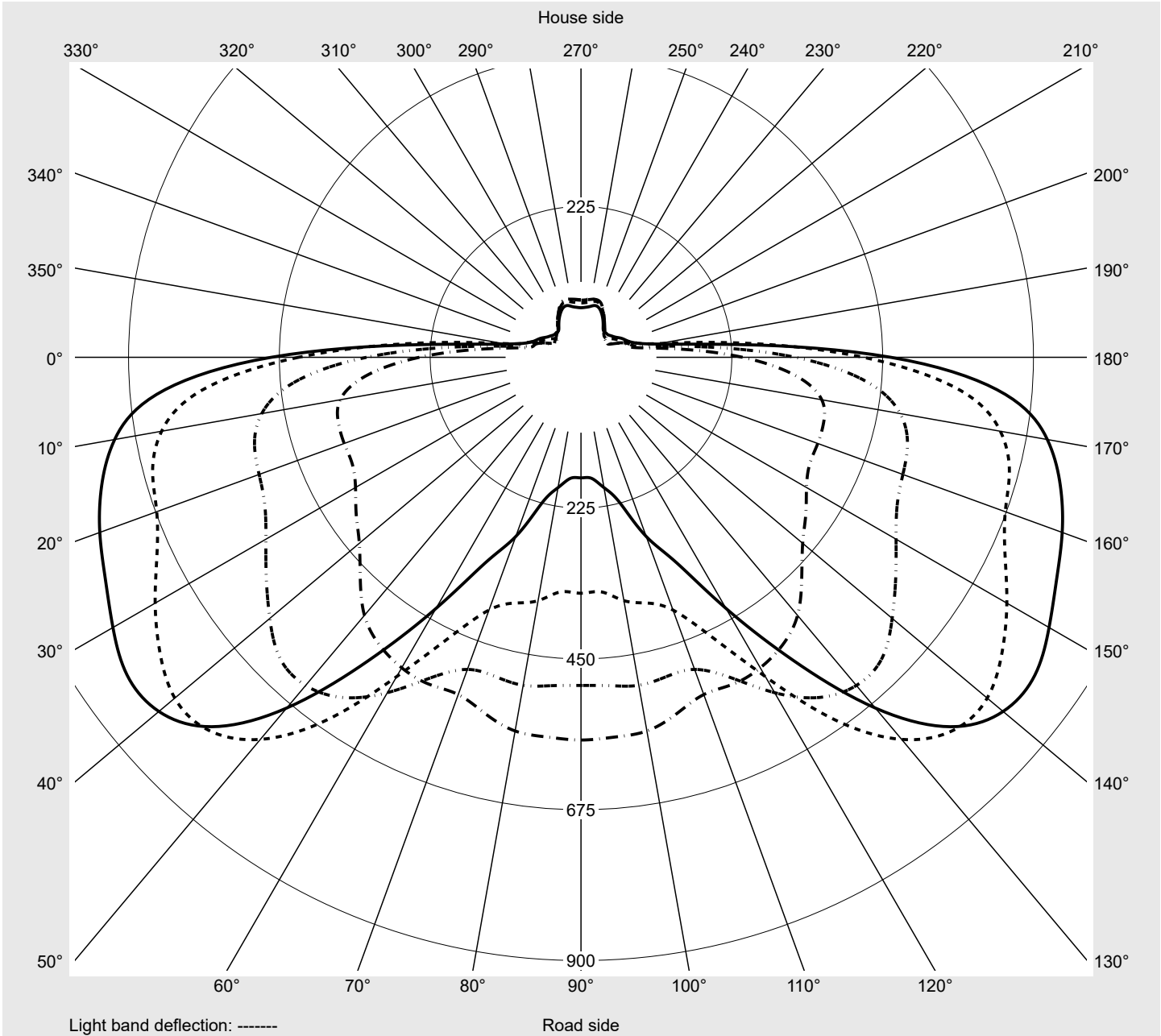
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Luminous intensity in cd/klm												
0,0°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
2,5°	253.4	254.9	256.4	258.0	259.5	261.1	262.4	263.4	264.5	265.4	266.3	266.9	267.4
5,0°	252.0	255.2	258.3	261.1	263.7	266.3	268.4	270.1	271.6	272.8	273.7	274.6	275.2
7,5°	249.9	254.7	259.0	262.7	265.9	268.8	271.0	272.7	273.9	274.6	275.1	275.5	275.5
10,0°	247.1	253.2	258.3	262.6	266.1	268.7	270.7	271.8	272.0	271.6	270.6	269.4	267.8
12,5°	242.8	250.3	256.3	260.8	264.0	266.2	267.2	266.9	265.2	262.4	259.1	255.6	252.1
15,0°	237.8	246.4	253.0	257.5	260.3	261.5	261.0	258.6	254.4	249.3	243.9	238.7	233.5
17,5°	231.4	241.9	248.9	253.2	255.1	254.7	251.9	246.8	240.3	233.3	226.3	219.9	214.0
20,0°	226.5	237.3	244.7	248.7	249.4	247.0	241.7	234.4	226.2	217.9	210.2	203.6	198.3
22,5°	220.6	233.3	240.9	244.1	243.3	238.5	230.9	221.6	211.9	203.1	195.7	190.4	186.7
25,0°	217.2	230.8	238.8	241.4	238.8	231.5	221.3	210.4	200.2	191.7	186.1	183.2	182.9
27,5°	211.9	228.0	237.0	239.2	235.0	225.4	213.2	201.1	191.1	184.3	181.2	182.4	186.4
30,0°	206.3	222.9	232.5	234.4	229.0	218.0	204.9	192.3	183.6	179.2	180.9	187.1	195.9
32,5°	200.5	218.7	228.7	229.0	221.2	208.7	195.3	183.8	176.9	177.0	184.1	197.2	213.7
35,0°	196.2	216.1	227.0	225.9	216.5	202.5	188.2	177.1	173.1	178.5	193.9	217.2	243.3
37,5°	192.8	214.5	225.3	223.2	212.3	197.3	182.7	173.2	175.3	188.7	214.0	245.7	277.7
40,0°	189.6	213.1	223.4	221.9	210.0	194.2	180.3	175.9	185.7	207.5	240.4	277.4	310.3
42,5°	185.7	211.7	222.8	221.5	208.9	192.7	181.7	184.0	201.8	231.7	270.0	304.6	334.6
45,0°	183.0	210.3	223.6	222.1	209.1	193.9	187.2	195.2	220.8	254.0	286.5	314.9	338.2
47,5°	180.3	212.5	227.7	225.4	212.0	199.0	194.8	210.1	240.6	271.7	299.3	321.7	340.0
50,0°	180.9	217.4	236.4	236.0	222.7	210.3	212.6	234.2	263.6	291.2	311.5	327.9	344.0
52,5°	185.1	227.1	248.8	248.6	237.5	229.9	238.2	261.0	287.4	309.3	325.3	338.1	360.6
55,0°	191.0	242.1	268.8	270.6	261.4	258.5	268.5	289.3	310.3	327.0	343.8	368.9	407.8
57,5°	209.2	271.8	303.8	307.5	302.1	301.4	312.0	330.2	348.5	367.0	400.1	440.6	473.6
60,0°	241.1	322.9	364.8	374.8	375.9	376.5	388.5	409.3	431.7	465.7	502.6	524.1	534.9
62,5°	320.0	429.7	483.6	504.3	511.0	520.5	542.8	573.2	606.0	635.1	639.1	619.6	577.8
65,0°	421.5	568.6	635.3	661.7	673.6	698.0	733.6	767.0	791.1	786.5	744.2	660.3	550.1
67,5°	462.2	635.6	706.4	740.4	764.0	783.0	806.3	826.7	822.1	779.5	683.1	552.0	432.7
70,0°	439.4	623.7	722.7	767.0	750.7	724.1	713.8	699.9	659.8	581.1	469.0	370.0	297.7
72,5°	145.9	232.6	294.5	375.4	459.3	476.0	466.3	444.0	388.2	309.7	247.5	213.0	182.8
75,0°	37.2	40.5	45.0	53.0	97.4	158.1	175.4	167.3	114.0	78.9	104.0	105.0	101.6
77,5°	20.7	22.2	22.7	23.3	27.5	36.2	40.8	28.4	24.8	24.4	34.4	39.0	40.2
80,0°	12.0	11.3	11.0	11.2	12.5	15.0	15.0	13.6	13.3	14.0	15.0	15.3	17.0
82,5°	6.5	6.1	6.1	6.4	6.7	7.4	8.2	7.9	8.1	8.3	8.4	8.3	9.7
85,0°	2.9	2.6	2.6	2.7	2.9	3.3	3.5	3.6	3.7	3.7	3.7	3.5	3.4
87,5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Luminous intensity in cd/klm												
0,0°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
2,5°	267.8	268.1	268.4	268.7	269.0	269.1	251.7	249.8	248.0	246.2	244.3	242.6	240.9
5,0°	275.6	275.9	276.3	276.7	277.0	277.2	248.2	244.0	239.6	235.0	230.4	225.8	221.2
7,5°	275.3	275.0	274.9	275.0	275.2	275.3	244.1	237.5	230.3	222.6	214.9	207.0	199.0
10,0°	266.2	264.6	263.6	263.3	263.3	263.4	239.2	230.0	219.9	209.1	197.8	186.7	175.8
12,5°	248.8	245.9	244.1	243.2	242.9	242.8	233.0	221.3	208.1	194.3	180.0	166.3	153.4
15,0°	229.0	225.2	222.6	221.2	220.6	220.5	225.8	211.4	195.4	178.7	162.2	147.1	133.8
17,5°	208.9	204.9	202.1	200.5	199.8	199.6	218.1	201.1	182.2	163.2	145.3	130.0	118.1
20,0°	194.2	190.6	188.5	187.4	186.9	186.9	210.5	191.0	169.3	148.6	130.5	116.8	108.2
22,5°	184.6	183.4	183.1	183.6	184.2	184.5	203.2	181.1	157.2	135.5	118.4	107.6	102.4
25,0°	183.9	185.6	187.8	190.6	192.6	193.2	196.4	171.4	145.9	124.0	108.9	101.9	98.7
27,5°	191.2	195.9	201.2	207.0	210.4	211.0	189.8	162.2	135.0	114.2	102.5	98.0	95.9
30,0°	205.1	213.5	222.6	232.7	237.7	236.4	180.8	151.5	124.3	105.4	97.8	94.9	93.3
32,5°	230.0	245.0	259.2	272.2	276.6	274.1	173.5	141.9	114.7	99.0	94.1	92.1	89.3
35,0°	266.1	285.6	303.5	314.0	314.9	314.8	166.4	132.6	105.7	94.0	90.6	87.5	77.7
37,5°	302.9	322.5	336.8	344.3	344.8	346.7	159.8	124.3	99.1	90.5	86.2	78.6	69.8
40,0°	334.1	349.7	360.6	366.5	368.0	370.1	152.8	115.7	93.0	86.9	78.0	69.3	66.7
42,5°	355.7	366.5	373.9	378.8	379.7	380.7	146.0	108.2	88.4	83.7	69.4	64.4	64.2
45,0°	355.2	361.7	368.1	374.9	377.3	378.9	139.2	100.1	84.1	80.3	63.5	61.4	61.9
47,5°	355.8	364.3	376.0	391.6	399.1	402.5	134.3	94.7	80.7	77.3	60.3	58.8	59.5
50,0°	364.3	384.7	407.6	433.1	445.9	450.5	128.9	89.3	77.4	74.2	56.6	56.3	56.6
52,5°	395.5	433.8	469.8	502.4	520.5	526.0	127.0	85.5	75.0	71.2	53.7	53.7	53.9
55,0°	451.6	493.4	531.1	562.3	577.5	583.0	126.6	82.7	72.8	68.1	50.9	50.9	51.5
57,5°	505.1	534.7	563.2	583.5	589.7	591.1	130.5	81.8	71.5	64.9	48.4	48.1	48.7
60,0°	537.9	535.5	550.7	566.1	568.8	571.0	143.7	83.2	71.6	61.8	46.4	45.4	46.3
62,5°	527.1	495.6	493.1	496.9	491.8	489.6	180.3	94.3	75.5	63.3	49.3	45.8	44.7
65,0°	459.5	401.3	379.6	368.7	351.4	352.1	243.0	118.3	84.1	70.3	61.3	55.1	48.7
67,5°	338.8	284.5	225.0	197.5	181.3	179.9	221.0	113.9	83.3	72.8	66.8	59.9	55.6
70,0°	242.2	200.8	99.2	72.0	66.9	70.0	138.6	70.9	68.1	65.0	60.1	57.1	54.6
72,5°	153.6	125.3	46.7	33.4	33.1	33.4	51.7	32.6	30.8	31.9	33.7	38.5	41.9
75,0°	88.5	70.5	31.8	25.1	24.4	24.4	24.5	22.0	22.0	21.9	22.6	24.1	25.8
77,5°	35.9	33.1	21.4	17.3	16.4	16.6	16.0	15.4	16.0	16.0	16.6	17.6	18.8
80,0°	18.9	16.9	12.5	11.1	10.6	10.6	11.8	10.4	10.4	10.7	11.3	11.9	12.5
82,5°	11.3	9.5	6.6	5.8	5.4	5.4	6.5	5.9	6.2	6.6	7.1	7.3	7.5
85,0°	3.2	2.9	2.4	2.2	2.1	2.0	2.7	2.7	3.0	3.3	3.4	3.6	3.6
87,5°	0.8	0.8	0.8	0.8	0.9	0.9	1.1	1.2	1.2	1.2	1.3	1.3	1.3
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	0.4	0.4
2,5°	239.2	237.4	235.7	234.3	233.0	231.9	230.8	229.9	229.2	228.9	228.8	3.0	3.4
5,0°	216.6	212.2	208.0	204.2	200.8	198.0	195.3	193.3	191.8	191.1	190.8	5.8	9.2
7,5°	191.3	184.0	177.3	171.3	166.0	161.5	157.7	154.8	152.7	151.6	151.2	8.2	17.4
10,0°	165.6	156.3	148.0	140.8	134.8	129.9	126.0	123.1	121.2	120.1	119.8	10.3	27.7
12,5°	141.7	131.9	123.8	117.4	112.5	109.1	106.7	105.1	104.1	103.5	103.2	12.0	39.7
15,0°	123.0	114.7	109.2	105.6	103.1	101.2	99.7	98.5	97.8	97.3	97.2	13.5	53.2
17,5°	110.2	105.7	102.7	100.5	98.6	97.1	95.7	94.7	94.1	93.6	93.4	14.7	67.9
20,0°	103.7	101.0	99.1	97.4	95.9	94.4	93.1	92.2	91.5	91.1	90.8	15.9	83.8
22,5°	99.7	97.8	96.4	95.1	93.8	92.5	91.1	89.6	89.2	89.1	89.1	17.1	100.9
25,0°	96.8	95.4	94.0	93.1	91.4	85.6	79.7	77.9	77.3	76.9	76.6	18.2	119.1
27,5°	94.3	91.9	89.6	84.7	75.7	71.6	70.1	69.0	68.2	67.7	67.4	19.5	138.6
30,0°	88.9	83.4	79.2	72.9	71.1	70.3	69.5	68.7	67.9	67.3	67.0	21.0	159.6
32,5°	78.1	73.8	71.5	70.7	70.3	69.5	68.1	66.7	65.4	64.4	64.0	22.9	182.5
35,0°	70.8	70.1	69.9	69.6	68.3	66.7	65.1	63.9	62.8	62.1	61.7	25.1	207.6
37,5°	68.6	68.4	68.2	66.9	65.5	64.6	63.7	62.7	61.7	60.7	60.2	27.5	235.1
40,0°	66.6	66.6	65.6	64.6	64.0	63.2	62.6	61.9	60.8	59.7	59.0	30.0	265.1
42,5°	64.7	64.2	63.9	63.6	63.2	62.6	62.3	62.0	61.2	59.9	59.0	32.3	297.4
45,0°	62.3	62.5	62.8	62.7	63.0	63.3	63.4	63.0	62.3	61.0	59.9	34.0	331.4
47,5°	60.2	61.2	61.9	62.5	63.8	64.1	64.6	64.7	64.3	63.1	62.2	36.2	367.6
50,0°	57.7	59.3	61.1	62.1	64.0	65.2	66.6	67.6	67.6	66.6	66.0	39.4	407.0
52,5°	55.2	57.1	59.3	61.1	63.9	67.1	70.6	73.2	73.6	72.9	72.2	44.1	451.1
55,0°	52.8	54.9	57.6	60.6	64.8	70.4	76.4	80.6	80.3	79.6	79.1	49.5	500.6
57,5°	50.5	52.7	56.2	60.6	66.5	74.0	82.1	86.7	86.3	85.6	84.1	55.7	556.3
60,0°	48.1	50.9	55.3	61.1	68.7	77.7	86.5	89.1	88.1	86.8	85.9	63.4	619.7
62,5°	46.1	49.1	54.2	61.1	69.2	77.8	85.6	89.4	87.8	86.1	85.2	74.4	694.1
65,0°	46.4	48.2	53.2	60.1	68.5	76.8	83.7	86.3	83.9	82.0	81.1	84.5	778.5
67,5°	52.5	52.0	52.1	57.7	65.3	72.5	78.4	80.0	76.9	74.9	74.0	82.2	860.7
70,0°	54.5	58.5	57.0	53.9	59.7	65.6	69.8	70.5	67.6	65.1	64.4	69.4	930.2
72,5°	52.2	57.1	55.0	50.9	51.3	55.5	58.3	58.3	55.1	53.4	54.1	39.8	969.9
75,0°	28.6	36.9	40.3	39.0	41.6	44.9	46.8	46.1	43.2	41.5	42.5	15.6	985.6
77,5°	20.4	22.6	25.3	28.0	30.9	33.4	34.8	33.4	31.1	29.8	29.9	7.0	992.5
80,0°	13.6	15.1	17.0	19.0	21.0	22.4	23.0	21.8	20.4	19.5	19.3	4.0	996.5
82,5°	8.0	8.7	9.6	10.5	11.0	11.5	11.5	11.1	10.4	10.1	10.0	2.2	998.8
85,0°	3.6	3.8	4.1	4.4	4.7	5.0	5.2	5.0	4.7	4.6	4.5	1.0	999.7
87,5°	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.3	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Floodlight 20 midi LED	Order number: 5XA7682E3D1AC EAN: 4058352223611	LP number 58577_18
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	27250	207.8
95	239	252	25888	196.0
90	225	250	24525	184.4
85	211	247	23163	173.1
80	196	245	21800	161.9
75	184	242	20438	151.1
70	170	239	19075	140.2
65	156	236	17713	129.8
60	143	233	16350	119.6
55	131	230	14988	109.2
50	118	226	13625	99.2
45	105	222	12263	89.5
40	92	217	10900	79.9
35	81	212	9538	70.4
30	69	206	8175	61.0
25	57	199	6813	51.8
20	46	191	5450	43.0
15	34	180	4087	34.2