

Photometric test report

Family
Floodlight FL21 micro

Order number: 5XA7763A4A1A
EAN: 4058352670194

LP number
59324_16



Version mounting bracket
Optic direct, asymmetric narrow distribution,
asymmetric wide distribution
A430002
Cover toughened safety glass
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG Multilumen
Rated values Net luminous flux = 4750 lm
Power consumption = 38.4 W
Luminous efficacy = 123.7 lm/W

serial
documentation
05.07.2022

siteco

Luminous intensity in cd/klm

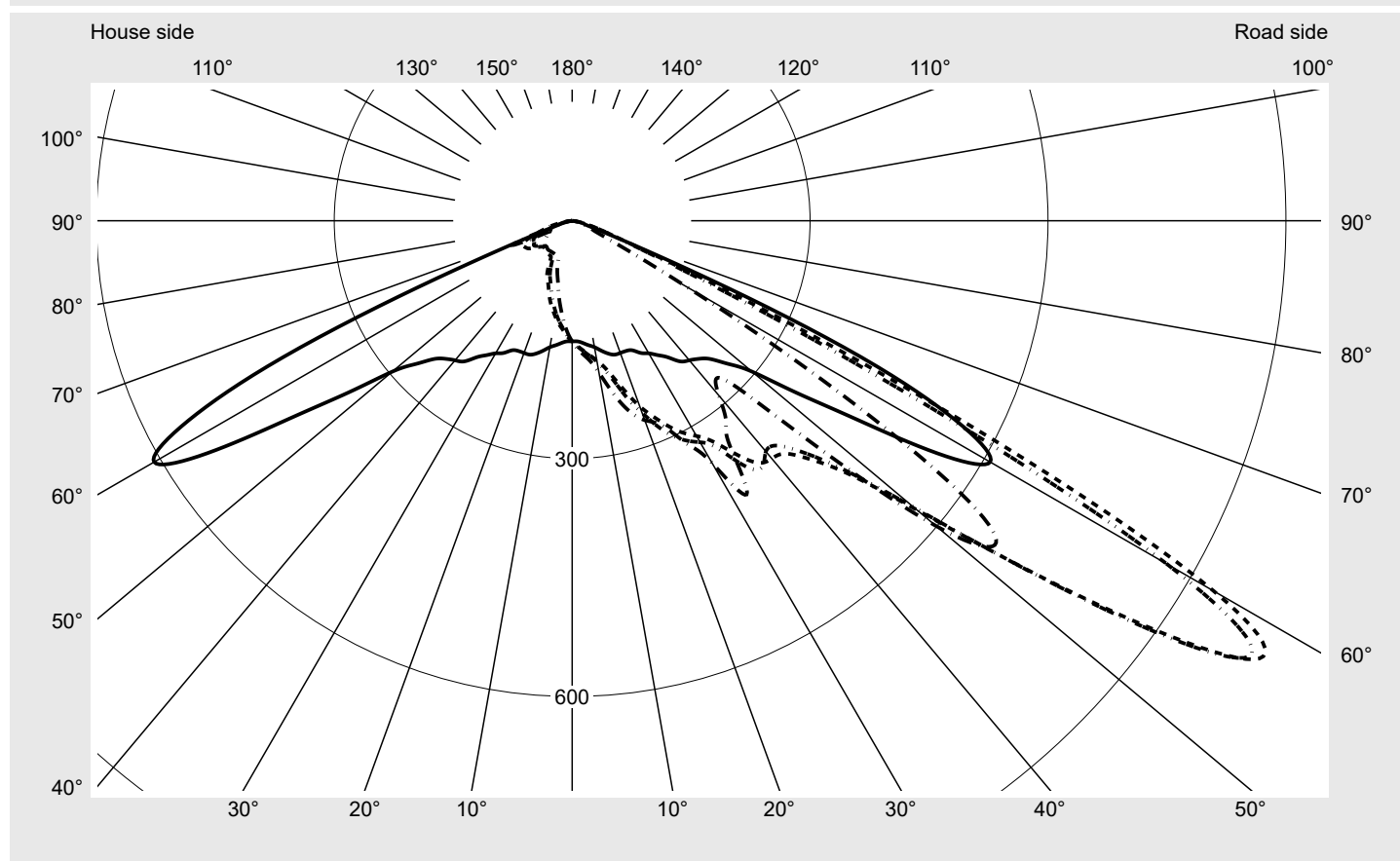
C180-0

C220-40

C225-45

C270-90

Imax: 1028 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:	G6
Imax 70°	56.8
Imax 80°	12.2
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

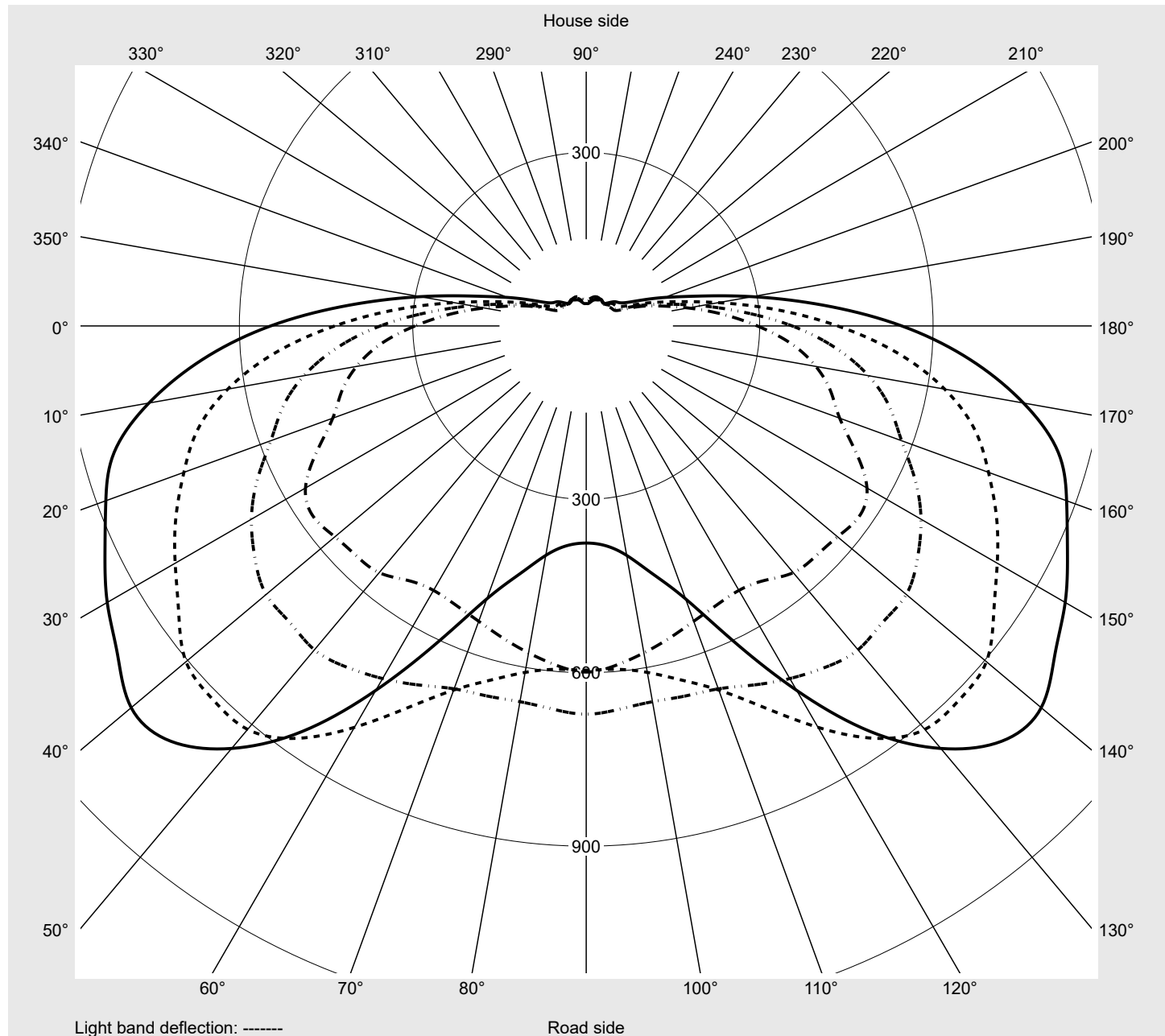
KMK 57.5°

KMK 55°

KMK 52.5°

KMK 50°

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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2
2,5°	152.3	153.0	153.7	154.6	155.3	156.3	157.0	157.8	158.3	158.8	159.4	159.9	160.3
5,0°	154.8	156.4	157.9	159.2	160.4	161.7	162.8	163.8	164.6	165.3	166.1	166.8	167.4
7,5°	158.3	160.7	162.8	164.5	166.0	167.4	168.9	170.2	171.2	172.2	173.1	174.2	175.2
10,0°	161.9	165.2	167.7	169.8	171.5	173.3	175.1	177.1	178.9	180.6	182.3	184.6	186.8
12,5°	167.7	171.2	174.2	176.3	178.7	180.7	183.5	186.4	189.6	193.9	198.1	201.5	204.5
15,0°	173.2	177.5	180.9	183.3	185.9	189.5	193.7	199.5	206.4	212.2	217.8	222.1	224.9
17,5°	177.1	182.4	186.7	190.2	193.7	198.9	206.9	217.3	227.3	236.6	241.4	244.7	246.6
20,0°	177.5	184.8	190.4	195.2	200.4	207.6	220.3	234.4	249.1	257.8	264.4	266.4	264.0
22,5°	177.7	187.1	194.4	200.5	207.2	218.0	233.3	252.2	267.4	280.2	286.9	283.9	276.1
25,0°	180.4	191.8	199.9	206.4	213.8	226.3	244.2	265.8	285.4	299.0	301.2	296.2	287.2
27,5°	188.1	200.6	209.2	215.8	223.8	236.9	257.5	280.9	301.2	312.6	313.9	308.8	301.6
30,0°	193.1	209.1	219.9	227.7	236.0	250.6	271.7	293.7	313.5	322.6	325.6	325.1	320.8
32,5°	201.0	221.2	235.2	244.9	255.0	271.6	292.4	314.0	330.1	339.4	345.2	350.9	361.4
35,0°	210.2	237.3	255.5	267.6	281.5	300.6	322.7	345.2	359.0	376.4	398.4	422.1	433.1
37,5°	223.6	254.8	273.0	282.1	291.2	307.6	340.0	368.9	384.9	392.6	407.4	414.1	406.9
40,0°	229.7	265.6	288.3	302.2	314.2	335.8	372.7	393.1	391.6	380.1	387.7	395.5	385.4
42,5°	236.2	272.1	298.8	316.0	330.4	357.6	397.9	410.2	398.4	384.8	386.4	388.5	373.9
45,0°	246.7	287.3	317.1	337.4	354.7	391.9	438.4	444.4	425.8	413.9	406.8	395.1	374.0
47,5°	267.4	312.7	349.1	374.8	397.0	442.8	491.3	494.2	472.5	464.7	453.0	428.7	407.6
50,0°	296.0	356.6	403.4	438.0	466.6	514.2	560.8	575.9	567.6	562.4	557.2	537.5	528.3
52,5°	356.2	432.5	495.8	543.5	580.6	627.5	668.7	699.7	722.8	725.3	731.5	721.0	704.4
55,0°	435.0	541.1	629.6	696.2	740.6	783.2	821.0	860.8	903.7	913.7	911.3	871.0	801.9
57,5°	545.9	666.4	768.1	845.4	884.3	918.5	956.8	989.9	1027.5	1016.2	954.2	856.5	728.1
60,0°	608.6	730.6	824.8	896.5	919.4	933.1	940.4	948.8	934.3	866.0	760.2	619.5	467.5
62,5°	545.3	656.2	724.2	765.9	757.5	731.9	698.8	668.4	601.9	505.0	395.9	301.2	215.6
65,0°	378.6	423.0	450.1	456.4	434.8	398.6	363.7	333.3	275.5	216.2	163.7	135.3	103.7
67,5°	139.6	158.6	161.6	157.4	150.7	139.6	130.7	125.0	108.3	94.3	80.9	68.1	55.2
70,0°	44.6	46.3	46.2	46.5	48.0	49.2	51.5	53.6	54.7	54.9	52.8	50.0	45.0
72,5°	20.8	21.6	21.3	21.5	23.1	24.5	26.2	29.2	32.7	36.1	38.4	36.7	32.9
75,0°	16.0	17.1	16.2	15.9	16.8	17.3	18.6	21.0	22.6	23.0	23.4	23.7	22.3
77,5°	12.8	13.1	11.7	11.2	11.5	11.8	12.5	13.3	13.8	13.4	13.3	13.8	13.9
80,0°	8.4	7.4	6.6	6.2	6.5	7.0	7.1	7.4	7.6	7.6	7.5	7.5	7.4
82,5°	3.3	3.1	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.5	3.4	3.2	3.4
85,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1
87,5°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6
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

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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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2
2,5°	160.6	160.8	161.1	161.4	161.7	161.8	151.4	150.4	149.6	148.7	148.0	147.2	146.5
5,0°	167.7	168.2	168.9	169.5	169.9	170.1	153.1	151.1	148.8	146.6	144.5	142.3	140.0
7,5°	175.8	176.4	177.3	178.3	179.1	179.3	155.5	152.3	148.8	145.0	141.2	137.8	134.3
10,0°	188.5	190.1	191.4	193.0	194.2	194.6	158.3	153.9	148.5	143.2	137.9	132.8	127.6
12,5°	207.2	209.5	211.6	213.6	215.4	215.9	162.8	156.8	149.6	142.6	135.1	127.8	120.8
15,0°	227.5	230.2	232.6	234.9	237.1	237.9	167.0	159.0	150.4	141.3	132.0	122.9	114.2
17,5°	247.3	247.7	249.2	251.5	254.6	255.8	168.8	159.6	148.3	137.5	126.9	116.7	106.5
20,0°	260.1	257.7	258.4	260.9	265.1	267.7	167.5	155.5	143.0	130.9	119.3	108.2	97.1
22,5°	269.1	264.8	264.9	267.5	272.7	276.0	164.8	151.0	136.6	123.6	111.4	99.7	89.3
25,0°	279.2	274.8	275.5	279.8	287.5	292.4	165.4	158.3	132.9	118.3	104.6	92.9	83.6
27,5°	294.3	291.5	294.7	303.4	313.8	318.9	170.3	150.8	132.1	115.3	100.6	89.2	78.3
30,0°	316.4	316.4	323.0	335.2	348.1	353.2	172.7	152.5	132.6	113.6	98.3	85.8	67.3
32,5°	366.6	368.8	377.4	392.0	404.2	409.3	175.9	152.6	132.3	113.5	97.8	79.5	57.2
35,0°	418.3	389.2	363.8	354.3	349.9	346.8	181.1	155.2	133.0	113.5	95.0	67.7	54.0
37,5°	383.2	357.6	344.1	337.1	323.5	318.7	188.0	158.6	133.0	112.1	86.7	58.6	52.8
40,0°	358.5	327.8	311.7	296.1	289.1	288.0	190.3	157.7	130.6	108.0	72.1	56.0	51.9
42,5°	339.3	306.9	286.3	272.3	269.4	269.6	192.1	157.2	129.4	104.8	67.7	56.1	51.9
45,0°	340.2	312.0	299.3	295.5	300.3	305.2	198.5	158.5	127.1	100.4	65.4	56.0	51.8
47,5°	391.0	388.0	392.3	406.5	423.4	433.8	212.7	165.8	123.3	98.4	65.5	55.5	52.2
50,0°	533.1	543.7	558.7	574.4	589.4	598.8	235.6	179.0	133.3	98.3	65.3	55.1	53.4
52,5°	685.4	668.2	662.8	660.2	665.4	671.8	273.1	201.6	145.0	105.7	72.9	58.3	56.2
55,0°	728.4	670.4	634.1	608.6	596.4	595.5	328.0	232.1	161.8	117.4	84.6	67.1	61.8
57,5°	601.1	502.5	444.1	403.1	381.6	375.6	411.7	291.6	199.2	144.0	105.7	81.2	70.2
60,0°	350.7	269.8	222.6	190.8	173.2	166.1	469.5	341.1	239.3	169.8	121.1	89.6	74.0
62,5°	160.1	123.8	98.7	80.3	69.1	64.9	435.8	324.6	239.9	176.3	122.8	91.3	73.9
65,0°	80.8	64.0	45.1	36.5	32.8	32.8	290.9	224.9	173.3	132.3	102.5	77.3	69.5
67,5°	48.3	42.3	33.9	30.0	27.2	26.2	104.6	83.1	83.7	71.8	60.3	54.1	59.0
70,0°	38.8	32.2	27.1	23.2	20.6	19.6	32.8	27.7	30.9	33.7	32.9	34.2	44.2
72,5°	28.8	24.2	20.4	17.9	16.2	14.9	20.5	19.6	19.5	20.5	20.3	22.1	31.4
75,0°	20.5	17.6	14.5	12.5	12.1	11.1	15.4	14.4	14.2	14.7	14.1	15.7	23.2
77,5°	13.5	11.8	9.9	9.0	8.9	8.4	12.4	10.2	9.7	9.9	9.6	10.8	16.0
80,0°	7.3	6.5	5.5	5.0	4.5	4.3	7.2	5.7	5.4	5.9	5.6	6.3	9.6
82,5°	3.1	2.7	2.5	2.3	2.1	2.1	3.0	2.8	2.5	2.7	2.8	2.8	4.0
85,0°	1.0	1.0	1.0	0.9	0.9	0.9	1.3	1.3	1.3	1.2	1.2	1.2	1.1
87,5°	0.6	0.6	0.5	0.5	0.5	0.5	0.9	0.9	1.0	1.0	1.0	0.9	0.9
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

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Table of values for luminous intensities												Maximum luminous intensity		sīteco	
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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	0.2	0.2		
2,5°	145.7	144.9	144.1	143.4	142.8	142.3	141.8	141.3	140.8	140.6	140.5	1.8	2.0		
5,0°	137.7	135.7	133.8	132.1	130.6	129.3	128.2	127.2	126.5	126.0	125.9	3.6	5.6		
7,5°	130.8	127.4	124.1	121.2	118.5	116.2	114.2	112.7	111.7	111.1	111.0	5.4	11.0		
10,0°	122.6	118.0	113.7	109.8	106.3	103.4	101.0	99.0	97.6	96.8	96.6	7.2	18.2		
12,5°	114.3	108.4	103.1	98.2	93.9	90.3	87.3	84.9	83.3	82.4	82.1	9.2	27.4		
15,0°	106.0	98.6	92.1	86.5	81.9	78.5	75.8	73.8	72.6	71.9	71.7	11.3	38.6		
17,5°	96.8	88.4	81.9	77.1	73.2	69.9	67.1	64.8	63.1	62.3	62.0	13.4	52.1		
20,0°	87.6	80.4	74.5	68.2	61.9	57.2	54.2	52.5	51.6	51.3	51.2	15.5	67.5		
22,5°	81.1	73.1	63.5	55.5	51.8	50.5	49.8	49.4	49.1	49.0	49.0	17.5	85.1		
25,0°	74.8	63.3	54.3	51.2	50.2	49.5	49.0	48.6	48.2	48.0	48.0	19.8	104.9		
27,5°	64.0	53.7	51.1	50.3	49.7	49.1	48.5	48.1	47.6	47.4	47.4	22.4	127.3		
30,0°	53.7	51.2	50.3	50.0	49.6	49.0	48.5	48.0	47.5	47.1	47.1	25.4	152.7		
32,5°	51.9	50.5	50.1	50.0	49.6	49.2	48.7	48.2	47.6	47.1	47.1	29.5	182.2		
35,0°	51.5	50.3	49.9	49.7	49.6	49.3	49.1	48.6	48.0	47.2	47.1	33.1	215.2		
37,5°	50.8	49.9	49.5	49.5	49.4	49.3	49.4	49.1	48.5	47.5	47.4	35.0	250.3		
40,0°	49.8	49.2	48.8	49.0	49.2	49.6	50.0	49.9	49.0	47.8	47.5	36.5	286.7		
42,5°	49.3	48.3	48.1	48.5	49.4	50.0	50.6	49.9	48.7	47.1	46.6	38.2	325.0		
45,0°	48.8	47.6	47.5	48.4	49.5	49.9	50.2	50.1	48.6	46.6	45.9	42.0	367.0		
47,5°	49.1	47.5	47.5	48.5	49.2	50.4	51.2	51.7	49.7	46.9	46.3	49.8	416.7		
50,0°	51.0	48.7	48.4	48.6	50.2	52.5	53.3	52.1	49.0	46.1	45.3	63.0	479.8		
52,5°	54.8	51.7	49.3	49.5	51.9	52.9	53.0	50.8	47.0	44.2	43.3	79.3	559.1		
55,0°	59.7	55.4	50.8	50.4	52.4	52.1	51.1	48.6	44.2	41.5	40.5	93.7	652.8		
57,5°	65.1	57.4	50.9	49.9	51.7	49.6	48.1	45.9	41.8	38.9	38.8	99.5	752.3		
60,0°	67.5	55.2	49.8	48.4	48.8	47.2	44.9	43.5	39.8	37.2	37.4	90.6	843.0		
62,5°	69.4	54.7	48.1	45.0	45.1	44.3	43.1	42.3	39.8	37.0	36.9	68.1	911.1		
65,0°	68.9	53.6	45.3	41.5	42.3	42.6	41.8	41.0	38.0	35.5	35.9	41.0	952.1		
67,5°	61.5	48.1	40.4	38.0	39.8	41.1	40.2	38.2	34.3	38.8	79.9	19.3	971.4		
70,0°	49.3	40.7	35.6	34.2	36.8	38.4	36.3	32.5	27.8	26.1	56.8	10.1	981.6		
72,5°	38.9	34.9	31.3	30.1	32.4	33.8	30.8	25.4	20.2	20.4	27.1	6.9	988.4		
75,0°	30.5	29.4	26.0	26.3	28.5	26.6	20.9	14.4	12.0	13.0	14.0	5.0	993.5		
77,5°	22.1	22.1	17.8	15.8	18.7	18.8	15.1	9.0	7.9	7.5	7.5	3.4	996.9		
80,0°	12.2	11.5	9.8	9.5	8.6	5.6	5.0	4.0	3.4	3.4	3.3	1.8	998.7		
82,5°	4.8	4.0	3.6	3.1	2.4	1.7	1.6	1.3	1.1	1.0	1.0	0.8	999.5		
85,0°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.3	999.8		
87,5°	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.2	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		

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Multilumen Table	environmental temperature: 25°C	siteco

Luminous flux[%]	1	2	3	4	5	6	7	Switch Setting8	Luminous flux [lm]	Power consumption[W]
100	ON	-	-	-	-	-	-	-	4750	38.4
90	-	ON	-	-	-	-	-	-	4275	33.3
80	-	-	ON	-	-	-	-	-	3792	28.6
70	-	-	-	ON	-	-	-	-	3321	24.3
60	-	-	-	-	ON	-	-	-	2845	20.3
50	-	-	-	-	-	ON	-	-	2381	16.7
40	-	-	-	-	-	-	ON	-	1896	13.1
30	-	-	-	-	-	-	-	ON	1431	9.9