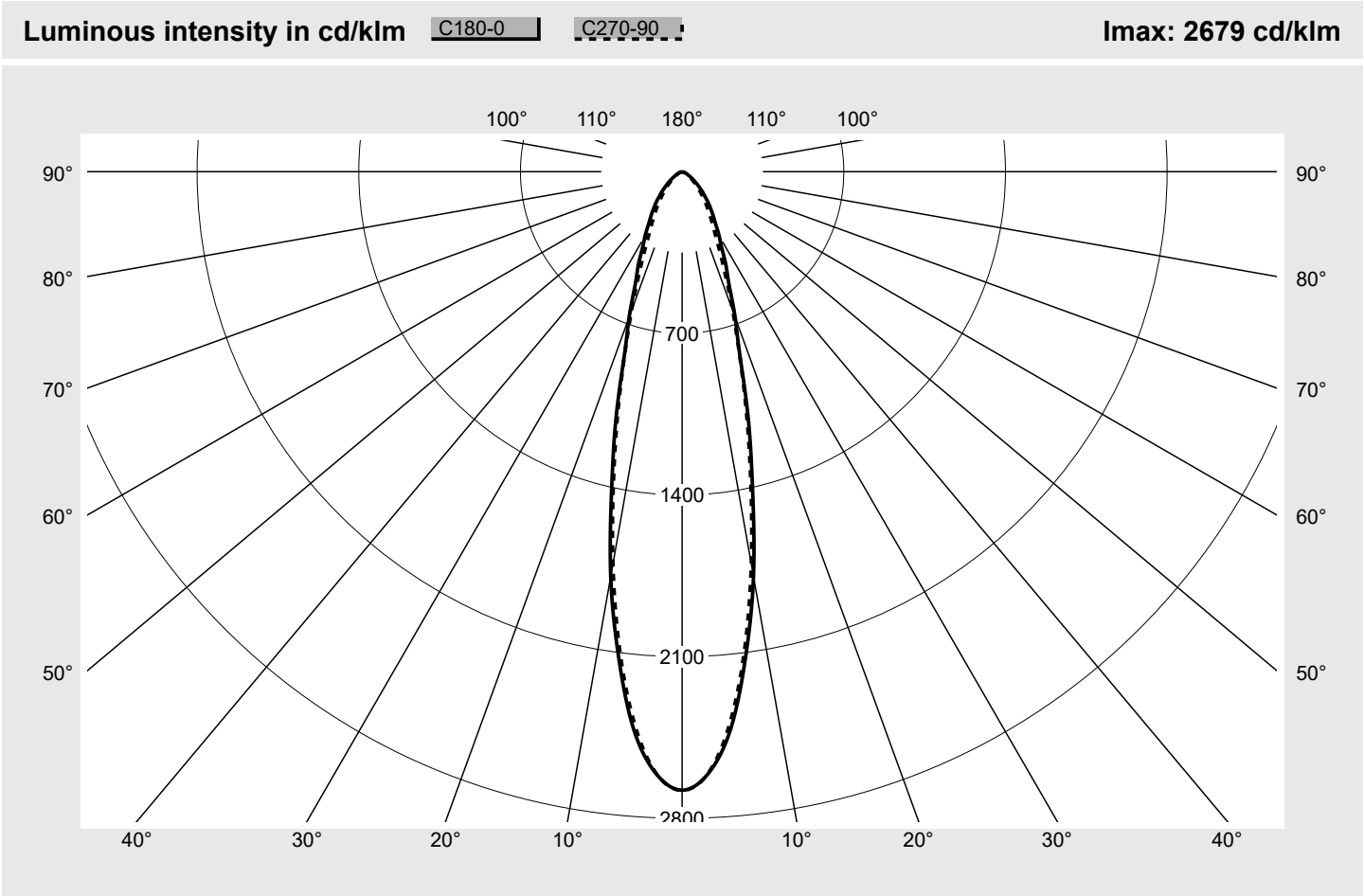


Photometric test report

Family Highbay 11	Order number: 51HN11DA3LLA EAN: 4069025424082	LP number 59711_388
	Version	primary light control with lens, PMMA, housing, white, for Licross® rail, narrow distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 26560 lm Power consumption = 146.7 W Luminous efficacy = 181 lm/W
		serial documentation 09.04.2025
		



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=85 N2=97 N3=100	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions	
DIN EN 13032 and DIN 5032	

Photometric test report

Family Highbay 11	Order number: 51HN11DA3LLA EAN: 4069025424082	LP number 59711_388
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0,0°	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	4.0	4.0
2,5°	2608.0	2619.4	2619.4	2616.5	2617.6	2616.2	2606.1	31.3	35.3
5,0°	2420.1	2415.7	2414.1	2408.4	2406.6	2402.3	2391.7	57.6	92.8
7,5°	2113.4	2116.1	2112.3	2103.0	2097.6	2090.5	2079.6	75.2	168.1
10,0°	1780.1	1768.7	1762.7	1751.6	1743.6	1735.2	1724.7	83.4	251.5
12,5°	1410.1	1409.3	1404.7	1395.9	1388.1	1380.5	1373.1	82.8	334.3
15,0°	1106.5	1097.8	1095.0	1089.4	1083.1	1078.4	1073.9	77.3	411.5
17,5°	830.1	840.2	835.5	831.1	826.6	824.9	824.1	68.5	480.0
20,0°	671.1	661.9	651.8	643.2	639.9	639.4	641.0	60.8	540.8
22,5°	531.9	530.5	514.2	498.9	497.0	496.6	496.8	53.4	594.2
25,0°	450.6	441.3	420.6	401.3	399.0	395.8	392.4	47.9	642.1
27,5°	370.8	368.7	351.4	331.7	326.8	321.1	316.0	43.1	685.2
30,0°	320.4	312.1	300.8	284.1	278.0	270.2	264.7	39.7	724.9
32,5°	271.0	266.8	259.0	245.6	238.0	229.0	224.7	36.5	761.4
35,0°	235.8	228.9	222.7	210.5	201.6	193.0	191.7	33.3	794.7
37,5°	204.4	197.8	191.5	181.1	172.0	164.3	162.4	30.3	825.0
40,0°	176.7	170.7	163.1	154.3	146.1	138.3	135.6	27.3	852.2
42,5°	147.6	145.5	138.6	130.6	123.2	115.8	113.3	24.2	876.4
45,0°	126.0	121.8	116.3	109.0	102.0	95.3	93.2	21.1	897.6
47,5°	103.2	101.5	97.1	90.9	84.6	78.4	76.7	18.3	915.9
50,0°	85.9	82.9	79.4	74.6	69.1	63.7	61.9	15.5	931.4
52,5°	69.0	67.2	64.5	61.0	56.2	51.6	49.7	13.0	944.4
55,0°	55.6	54.1	52.2	49.5	45.7	41.7	40.0	10.9	955.3
57,5°	43.6	43.1	41.8	39.8	37.0	33.6	32.2	9.0	964.3
60,0°	33.2	33.3	33.9	32.4	30.5	27.5	26.1	7.4	971.7
62,5°	25.9	26.0	27.0	26.2	25.1	22.4	21.3	6.1	977.8
65,0°	21.6	21.2	21.7	21.3	20.9	18.8	17.7	5.1	982.9
67,5°	17.0	17.1	17.8	17.0	17.3	15.6	14.8	4.3	987.2
70,0°	13.5	13.4	14.4	13.6	14.1	13.0	12.4	3.5	990.7
72,5°	11.0	10.8	10.9	10.9	11.0	10.7	10.6	2.8	993.5
75,0°	9.0	8.4	8.4	8.3	8.6	9.0	8.9	2.3	995.8
77,5°	6.6	6.4	6.2	6.2	6.6	7.3	7.4	1.8	997.5
80,0°	4.4	4.2	4.1	4.2	4.7	5.7	5.8	1.3	998.8
82,5°	2.0	2.1	2.2	2.4	3.0	3.9	4.1	0.8	999.6
85,0°	0.8	0.8	0.8	1.0	1.5	2.2	2.4	0.4	999.9
87,5°	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.1	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Highbay 11			Order number: 51HN11DA3LLA EAN: 4069025424082							LP number 59711_388	
UGR-Table			Standard room							siteco	
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	20.9	22.1	21.2	22.4	22.7	19.7	20.9	20.0	21.2	21.5
	3H	21.1	22.1	21.5	22.5	22.8	20.0	21.0	20.4	21.3	21.7
	4H	21.2	22.1	21.6	22.5	22.9	20.1	21.1	20.5	21.4	21.8
	6H	21.2	22.1	21.7	22.4	22.8	20.3	21.1	20.7	21.5	21.9
	8H	21.3	22.0	21.7	22.4	22.8	20.4	21.1	20.8	21.5	21.9
	12H	21.3	21.9	21.7	22.3	22.7	20.4	21.1	20.8	21.4	21.9
4H	2H	20.9	21.9	21.3	22.2	22.6	19.9	20.8	20.3	21.2	21.6
	3H	21.3	22.0	21.7	22.4	22.9	20.3	21.1	20.7	21.5	21.9
	4H	21.4	22.1	21.8	22.5	22.9	20.5	21.2	20.9	21.6	22.0
	6H	21.4	22.0	21.9	22.5	22.9	20.7	21.3	21.1	21.7	22.2
	8H	21.4	22.0	21.9	22.4	22.9	20.8	21.3	21.2	21.7	22.2
	12H	21.4	21.9	21.9	22.3	22.8	20.8	21.2	21.3	21.7	22.2
8H	4H	21.4	21.9	21.8	22.3	22.8	20.5	21.0	21.0	21.5	22.0
	6H	21.4	21.9	21.9	22.3	22.9	20.7	21.2	21.2	21.6	22.1
	8H	21.4	21.8	21.9	22.3	22.8	20.8	21.2	21.3	21.7	22.2
	12H	21.4	21.7	21.9	22.2	22.8	20.9	21.2	21.4	21.7	22.3
12H	4H	21.3	21.8	21.8	22.2	22.7	20.5	20.9	21.0	21.4	21.9
	6H	21.4	21.8	21.9	22.3	22.8	20.7	21.1	21.2	21.6	22.1
	8H	21.4	21.7	21.9	22.2	22.8	20.8	21.1	21.3	21.6	22.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 426 B = 264	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45,0°	42078.4	40673.6	38841.4	36411.9	34067.3	31838.6	31125.9
50,0°	31544.8	30446.6	29157.0	27425.8	25369.4	23388.4	22726.3
55,0°	22889.0	22269.4	21497.8	20381.1	18811.2	17170.4	16480.3
60,0°	15704.5	15721.5	16013.8	15299.7	14390.0	12982.9	12334.9
65,0°	12057.5	11854.1	12122.9	11926.7	11674.7	10491.7	9917.2
70,0°	9341.8	9229.2	9914.9	9363.2	9716.7	8945.4	8549.1
75,0°	8189.4	7685.7	7703.1	7599.0	7839.9	8174.8	8160.2
80,0°	5974.6	5752.9	5565.2	5665.8	6330.9	7688.2	7844.6
85,0°	2211.1	2184.0	2284.3	2582.3	3964.3	5836.7	6614.3

Photometric test report

Family
Highbay 11

Order number: 51HN11DA3LLA
EAN: 4069025424082

LP number
59711_388

Luminance values in cd/m²

γ 65°

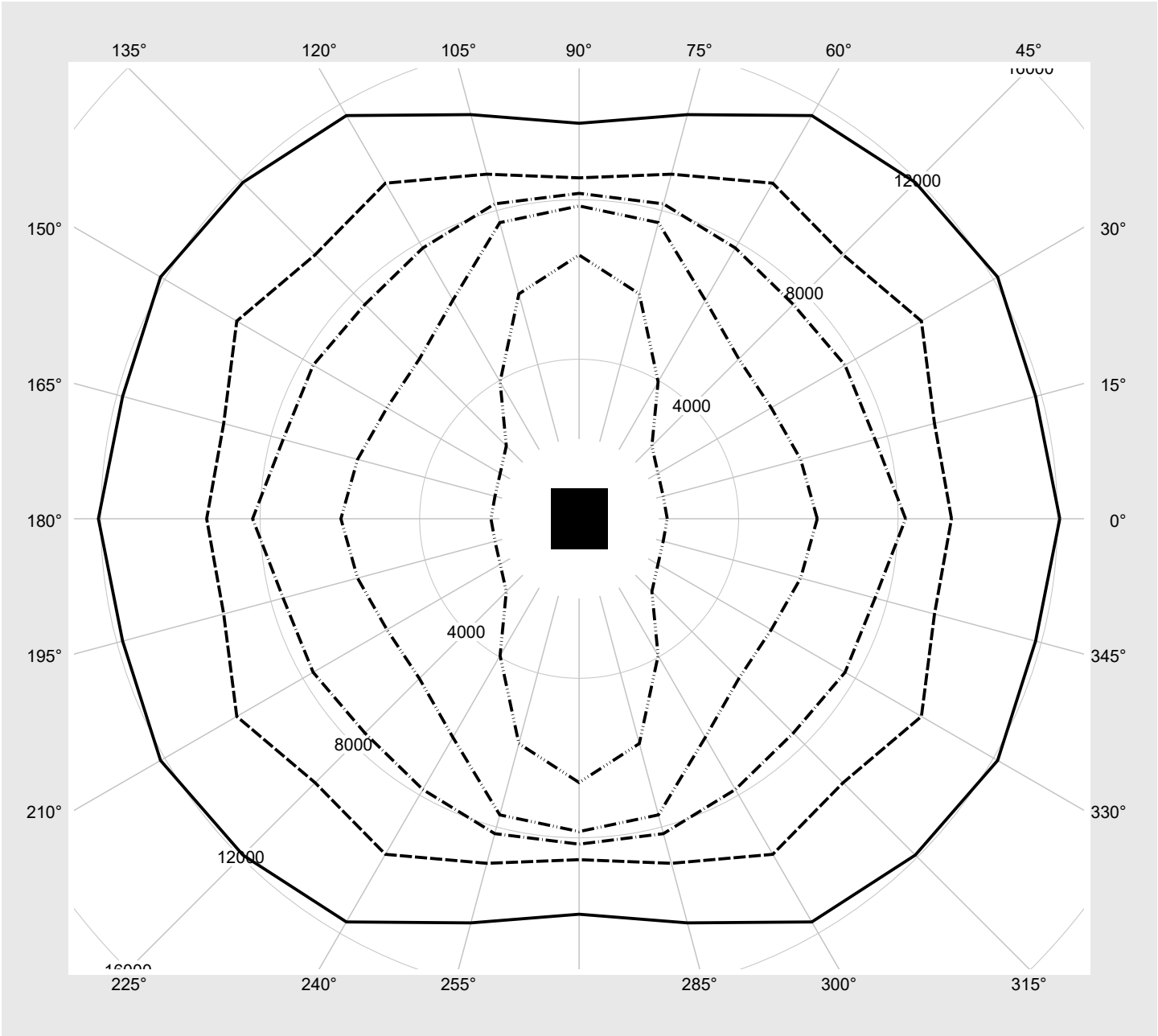
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Highbay 11	Order number: 51HN11DA3LLA EAN: 4069025424082	LP number 59711_388
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	26560	146.7
95	240	252	25227	138.3
90	226	250	23867	129.7
85	213	248	22597	121.9
80	199	245	21219	113.6
75	186	243	19927	105.9
70	173	240	18623	98.3
65	160	237	17309	90.7
60	147	234	15972	83.1
55	134	231	14635	75.6
50	121	227	13277	68.3
45	108	223	11902	60.9
40	96	218	10632	54.0
35	84	213	9341	47.3
30	71	207	7932	40.1
25	59	201	6615	33.5
20	47	192	5289	27.0
15	35	181	3944	20.6
10	24	168	2704	14.6
5	12	142	1335	7.8
2	5	110	528	3.9