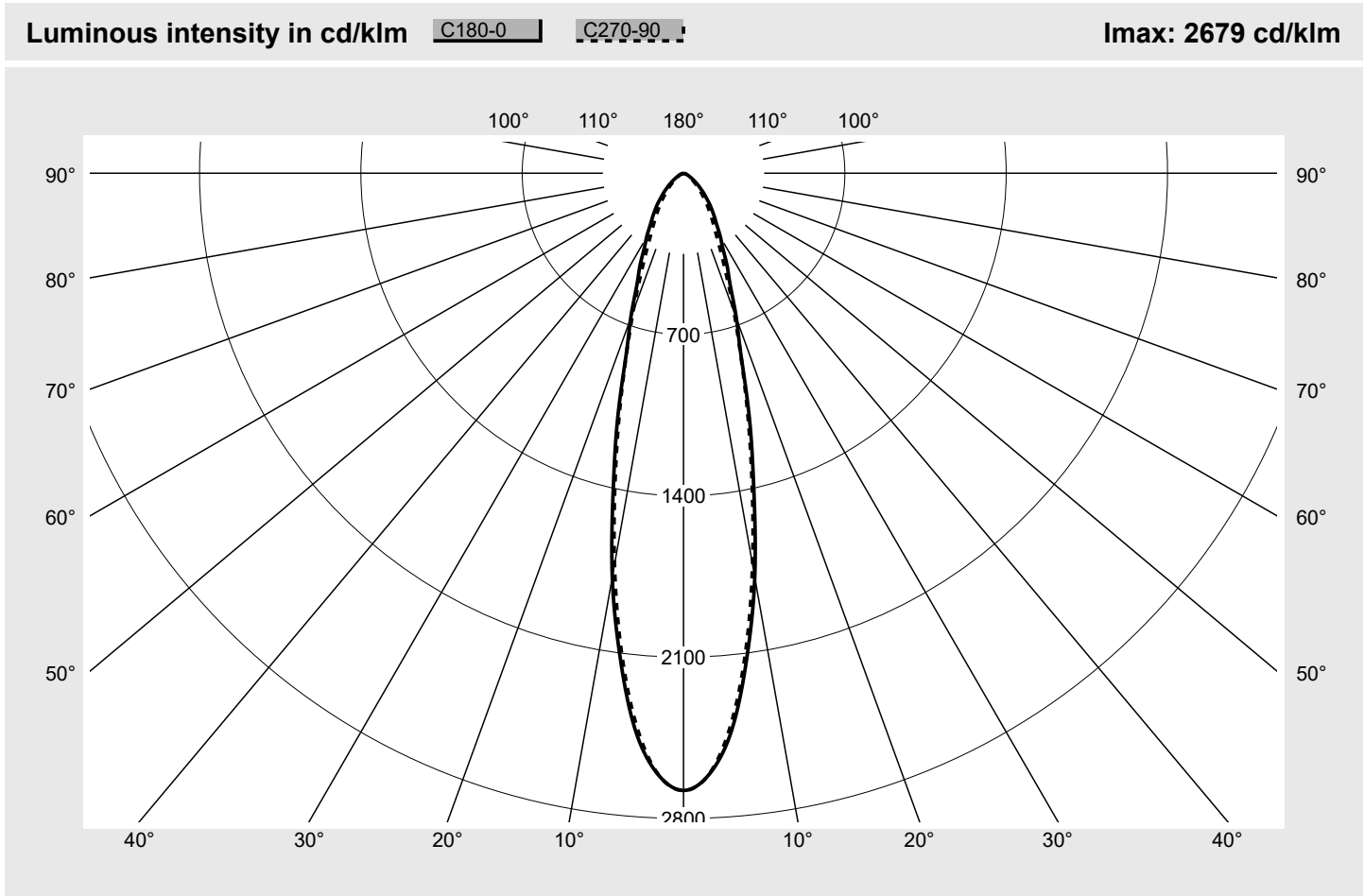


Photometric test report

Family Highbay 11	Order number: 51HN11DB4LDA01 EAN: 4069025242655	LP number 59711_51
	Version	primary light control with lens, PMMA, housing, white, narrow distribution, with multisensor node BT
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 26000 lm Power consumption = 125.9 W Luminous efficacy = 206.5 lm/W
		serial documentation 30.01.2025
		



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: 51HN11DB4LDA01 EAN: 4069025242655	LP number 59711_51
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: 51HN11DB4LDA01 EAN: 4069025242655							LP number 59711_51	
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	18.4	19.6	18.8	19.9	20.2	17.2	18.4	17.6	18.7	19.0
	3H	18.6	19.7	19.0	20.0	20.4	17.5	18.5	17.9	18.9	19.2
	4H	18.7	19.7	19.1	20.0	20.4	17.6	18.6	18.0	18.9	19.3
	6H	18.8	19.6	19.2	20.0	20.4	17.8	18.6	18.2	19.0	19.4
	8H	18.8	19.5	19.2	19.9	20.3	17.9	18.6	18.3	19.0	19.4
	12H	18.8	19.4	19.2	19.8	20.3	17.9	18.6	18.3	19.0	19.4
4H	2H	18.5	19.4	18.9	19.8	20.1	17.4	18.3	17.8	18.7	19.1
	3H	18.8	19.6	19.2	20.0	20.4	17.8	18.6	18.2	19.0	19.4
	4H	18.9	19.6	19.3	20.0	20.4	18.0	18.7	18.4	19.1	19.5
	6H	19.0	19.5	19.4	20.0	20.5	18.2	18.8	18.7	19.2	19.7
	8H	19.0	19.5	19.4	19.9	20.4	18.3	18.8	18.8	19.2	19.7
	12H	18.9	19.4	19.4	19.8	20.3	18.3	18.8	18.8	19.2	19.7
8H	4H	18.9	19.4	19.4	19.8	20.3	18.0	18.5	18.5	19.0	19.5
	6H	19.0	19.4	19.5	19.9	20.4	18.3	18.7	18.8	19.1	19.7
	8H	18.9	19.3	19.5	19.8	20.3	18.3	18.7	18.9	19.2	19.7
	12H	18.9	19.2	19.4	19.7	20.3	18.4	18.7	18.9	19.2	19.8
12H	4H	18.9	19.3	19.4	19.8	20.3	18.0	18.4	18.5	18.9	19.4
	6H	18.9	19.3	19.5	19.8	20.3	18.2	18.6	18.8	19.1	19.6
	8H	18.9	19.2	19.5	19.7	20.3	18.3	18.6	18.9	19.1	19.7

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 852 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°	20595.6	19908.0	19011.2	17822.1	16674.5	15583.7	15234.8
50,0°	15439.9	14902.3	14271.1	13423.8	12417.3	11447.6	11123.6
55,0°	11203.2	10899.9	10522.3	9975.7	9207.3	8404.2	8066.4
60,0°	7686.7	7695.0	7838.1	7488.5	7043.3	6354.6	6037.4
65,0°	5901.6	5802.1	5933.6	5837.6	5714.3	5135.2	4854.1
70,0°	4572.4	4517.3	4852.9	4582.9	4755.9	4378.4	4184.4
75,0°	4008.4	3761.8	3770.3	3719.4	3837.3	4001.2	3994.1
80,0°	2924.3	2815.8	2723.9	2773.2	3098.7	3763.0	3839.6
85,0°	1082.2	1069.0	1118.1	1263.9	1940.3	2856.8	3237.4

Photometric test report

Family
Highbay 11

Order number: 51HN11DB4LDA01
EAN: 4069025242655

LP number
59711_51

Luminance values in cd/m²

γ 65°

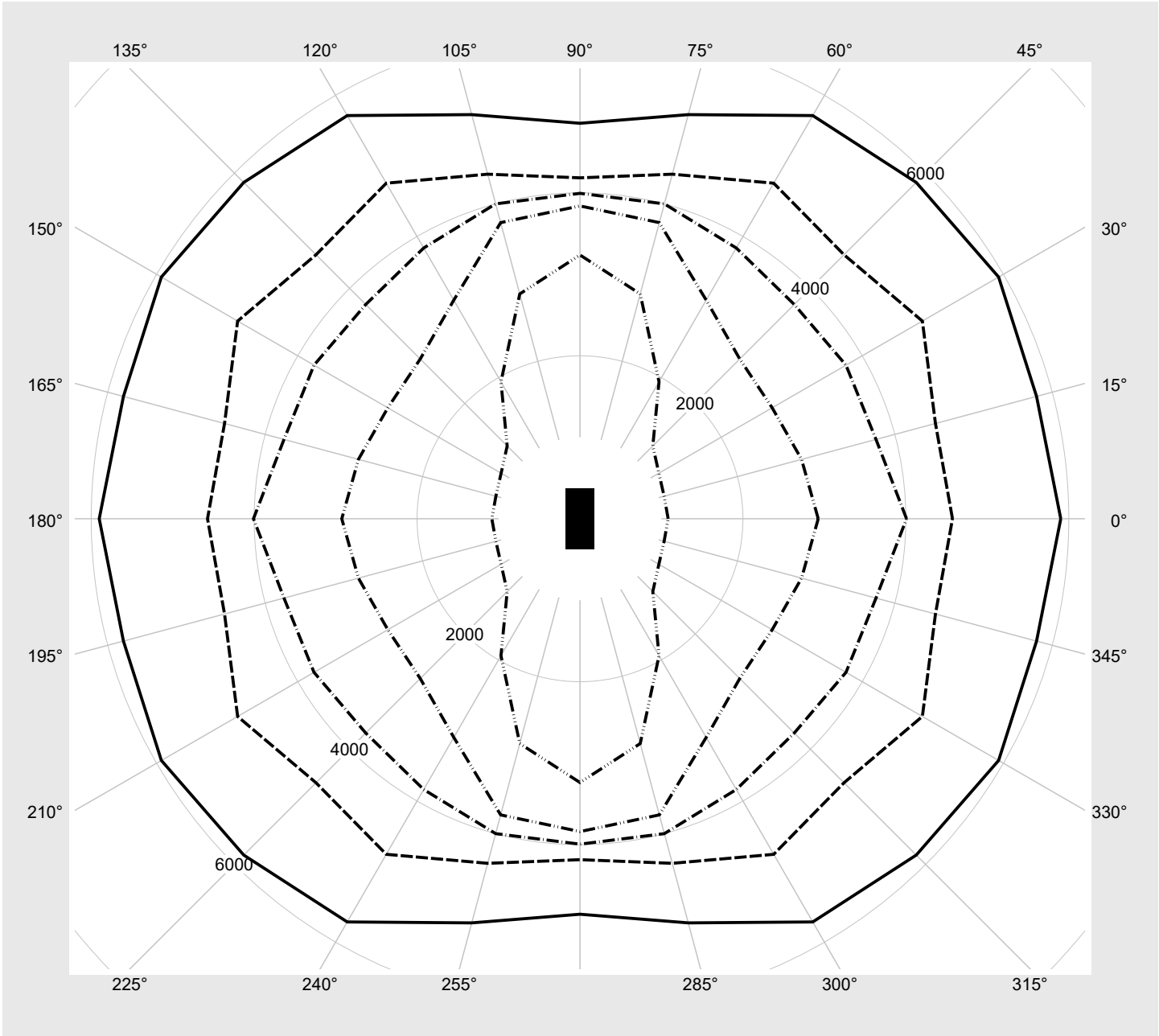
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Highbay 11	Order number: 51HN11DB4LDA01 EAN: 4069025242655	LP number 59711_51
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	26000	125.9
95	241	252	24724	119.2
90	228	250	23439	112.7
85	214	248	22054	105.7
80	201	245	20755	99.1
75	188	243	19459	92.7
70	175	240	18155	86.2
65	163	238	16943	80.4
60	150	235	15629	73.9
55	137	231	14297	67.4
50	124	228	12968	61.2
45	112	224	11732	55.2
40	99	219	10381	48.9
35	87	215	9132	43.2
30	74	209	7766	37.0
25	62	202	6501	31.3
20	50	194	5232	25.6
15	38	184	3949	20.0
10	25	169	2558	13.8
5	13	145	1260	7.9
2	6	117	502	4.5