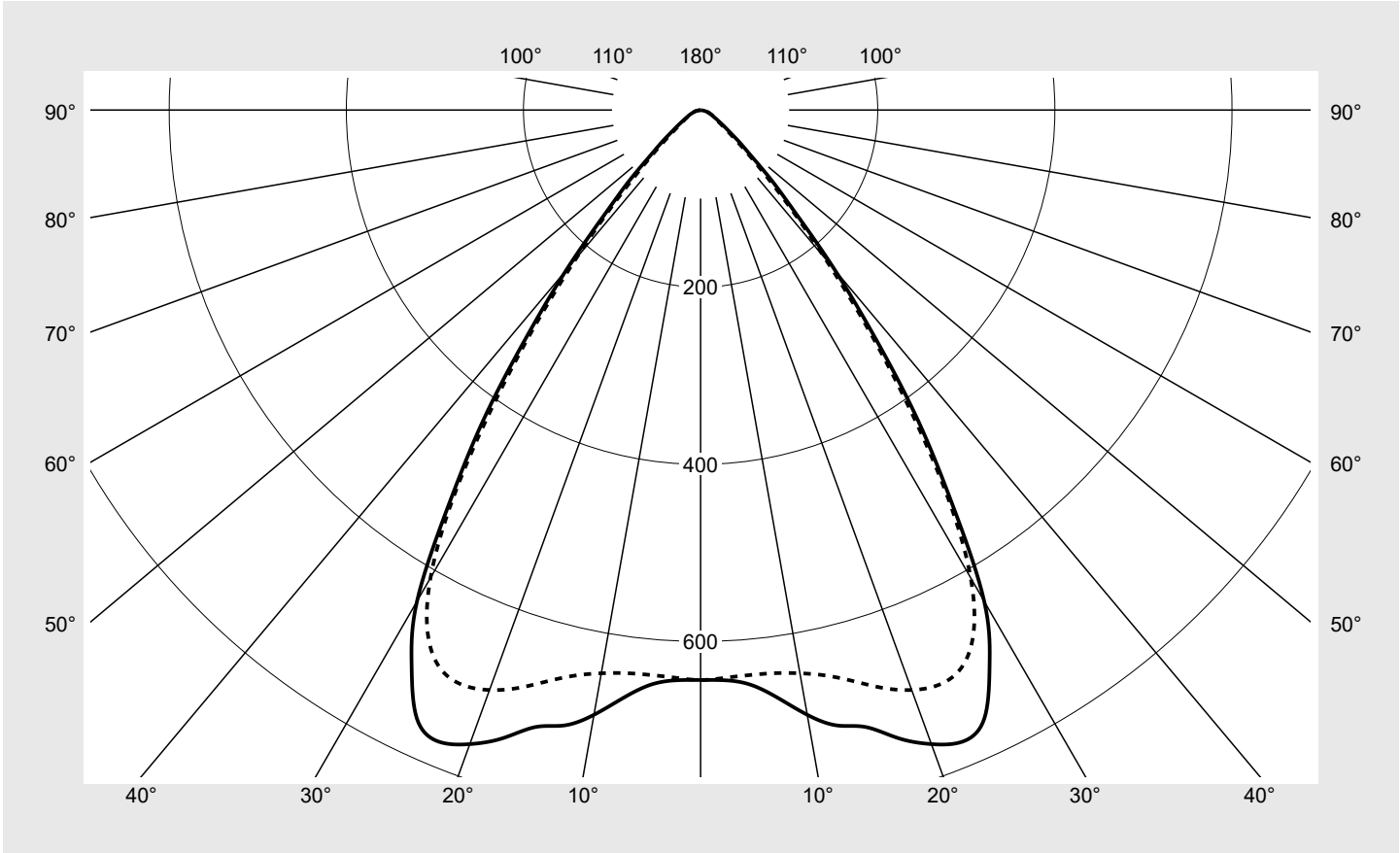


Photometric test report

Family Highbay 11	Order number: 51HN12DB4LDA03 EAN: 4069025242754	LP number 59710_69
	Version primary light control with lens, PMMA, housing, white, wide distribution, with DALI multisensor	serial documentation 30.01.2025
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 26000 lm Power consumption = 125.4 W Luminous efficacy = 207.3 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 772 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=88 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Highbay 11	Order number: 51HN12DB4LDA03 EAN: 4069025242754	LP number 59710_69
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Total	
								Phi-zone	Phi-zone
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0,0°	643.6	643.6	643.6	643.6	643.6	643.6	643.6	1.0	1.0
2,5°	644.5	645.1	645.0	644.3	644.2	643.7	641.7	7.7	8.7
5,0°	651.5	652.3	650.7	647.5	645.3	643.2	640.4	15.5	24.1
7,5°	669.6	669.1	664.2	657.2	651.2	645.8	641.3	23.5	47.6
10,0°	693.4	691.0	681.5	670.0	659.9	651.2	645.8	31.9	79.6
12,5°	711.8	709.4	700.3	685.9	671.9	660.7	654.0	40.7	120.2
15,0°	721.3	721.7	717.1	704.9	689.4	675.9	667.7	49.7	169.9
17,5°	743.8	740.8	737.9	726.5	708.9	693.0	684.2	59.4	229.3
20,0°	761.9	761.9	759.6	745.2	724.0	705.6	696.8	69.2	298.5
22,5°	772.0	771.2	770.0	754.7	731.1	710.8	702.6	78.2	376.7
25,0°	758.1	756.6	756.3	743.6	722.7	703.3	695.6	85.1	461.8
27,5°	706.7	709.5	709.5	700.0	685.7	672.3	667.0	87.8	549.7
30,0°	640.4	635.6	633.7	626.6	621.7	614.1	609.9	85.8	635.5
32,5°	530.6	537.6	535.6	526.2	530.2	524.1	520.8	78.1	713.6
35,0°	428.2	426.4	425.9	411.9	420.8	414.2	411.4	66.0	779.6
37,5°	322.5	323.4	327.0	311.0	319.4	310.8	308.2	53.0	832.6
40,0°	236.1	234.0	241.6	230.8	230.9	219.8	218.4	40.7	873.3
42,5°	162.3	165.3	172.9	171.1	161.7	151.3	150.8	30.2	903.5
45,0°	117.3	114.9	119.4	122.5	109.3	102.6	102.3	21.9	925.4
47,5°	80.5	81.4	82.8	85.5	75.2	71.4	70.8	15.9	941.3
50,0°	59.4	58.0	58.0	59.0	52.9	50.5	49.6	11.7	953.0
52,5°	43.3	42.8	42.8	43.0	39.3	37.2	36.6	8.9	961.8
55,0°	33.3	32.4	32.9	33.7	30.5	28.7	28.3	7.1	968.9
57,5°	25.9	25.4	25.9	26.8	24.5	22.9	22.9	5.8	974.7
60,0°	20.9	20.2	21.2	21.8	20.4	18.9	19.2	4.9	979.5
62,5°	16.9	16.2	17.4	18.0	17.2	15.9	16.4	4.1	983.6
65,0°	14.9	13.6	14.4	15.1	14.8	13.6	14.4	3.6	987.2
67,5°	12.3	11.4	12.5	12.4	13.0	11.7	12.6	3.1	990.3
70,0°	10.4	9.5	10.5	10.1	11.1	10.1	11.0	2.7	993.0
72,5°	8.2	7.7	7.9	8.2	8.7	8.6	9.5	2.2	995.2
75,0°	6.5	6.0	6.0	6.4	6.6	7.1	7.9	1.7	996.9
77,5°	4.5	4.3	4.4	4.7	5.1	5.6	6.3	1.3	998.2
80,0°	2.9	2.7	2.9	3.1	3.5	4.1	4.7	0.9	999.1
82,5°	1.3	1.4	1.6	1.8	2.2	2.7	3.3	0.5	999.7
85,0°	0.6	0.6	0.6	0.7	1.0	1.4	1.8	0.3	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: 51HN12DB4LDA03 EAN: 4069025242754	LP number 59710_69
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UGR-Table	Standard room	siteco	
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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	19.4	20.7	19.8	21.0	21.3	19.1	20.4	19.5	20.7	21.0
	3H	19.4	20.6	19.8	20.9	21.2	19.1	20.3	19.5	20.6	21.0
	4H	19.4	20.5	19.8	20.8	21.2	19.2	20.2	19.6	20.6	20.9
	6H	19.4	20.3	19.8	20.7	21.1	19.2	20.1	19.6	20.5	20.9
	8H	19.5	20.3	19.9	20.6	21.1	19.3	20.1	19.7	20.5	20.9
	12H	19.4	20.2	19.9	20.6	21.0	19.3	20.0	19.7	20.4	20.8
4H	2H	19.3	20.4	19.7	20.7	21.1	19.0	20.1	19.4	20.4	20.8
	3H	19.4	20.2	19.8	20.6	21.0	19.1	20.0	19.5	20.4	20.8
	4H	19.4	20.1	19.8	20.5	21.0	19.2	19.9	19.6	20.3	20.8
	6H	19.3	20.0	19.8	20.4	20.9	19.2	19.8	19.7	20.3	20.7
	8H	19.3	19.9	19.8	20.3	20.8	19.2	19.8	19.7	20.2	20.7
	12H	19.3	19.8	19.8	20.3	20.8	19.3	19.7	19.7	20.2	20.7
8H	4H	19.3	19.9	19.8	20.3	20.8	19.1	19.7	19.6	20.1	20.6
	6H	19.3	19.7	19.8	20.2	20.7	19.1	19.6	19.6	20.1	20.6
	8H	19.2	19.6	19.7	20.1	20.7	19.2	19.6	19.7	20.1	20.6
	12H	19.2	19.5	19.7	20.0	20.6	19.2	19.5	19.7	20.0	20.6
12H	4H	19.3	19.8	19.8	20.2	20.7	19.1	19.6	19.6	20.0	20.5
	6H	19.3	19.6	19.8	20.1	20.7	19.1	19.5	19.7	20.0	20.5
	8H	19.2	19.5	19.8	20.1	20.6	19.2	19.5	19.7	20.0	20.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 852 B = 264
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C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45,0°		19179.4	18780.1	19521.6	20022.0	17862.3	16771.0	16721.6
50,0°		10686.0	10433.4	10422.4	10608.5	9519.5	9076.6	8920.8
55,0°		6715.6	6536.0	6629.3	6781.5	6151.7	5782.7	5713.2
60,0°		4830.2	4662.8	4899.3	5046.3	4724.7	4375.4	4431.1
65,0°		4075.7	3707.5	3951.7	4122.1	4036.5	3732.9	3943.8
70,0°		3503.1	3196.2	3535.5	3420.6	3752.5	3415.9	3730.5
75,0°		2886.9	2673.9	2666.7	2852.1	2963.3	3171.9	3535.9
80,0°		1949.1	1818.6	1924.5	2078.9	2346.5	2759.9	3146.0
85,0°		778.5	774.5	799.7	936.4	1384.6	1844.8	2389.9

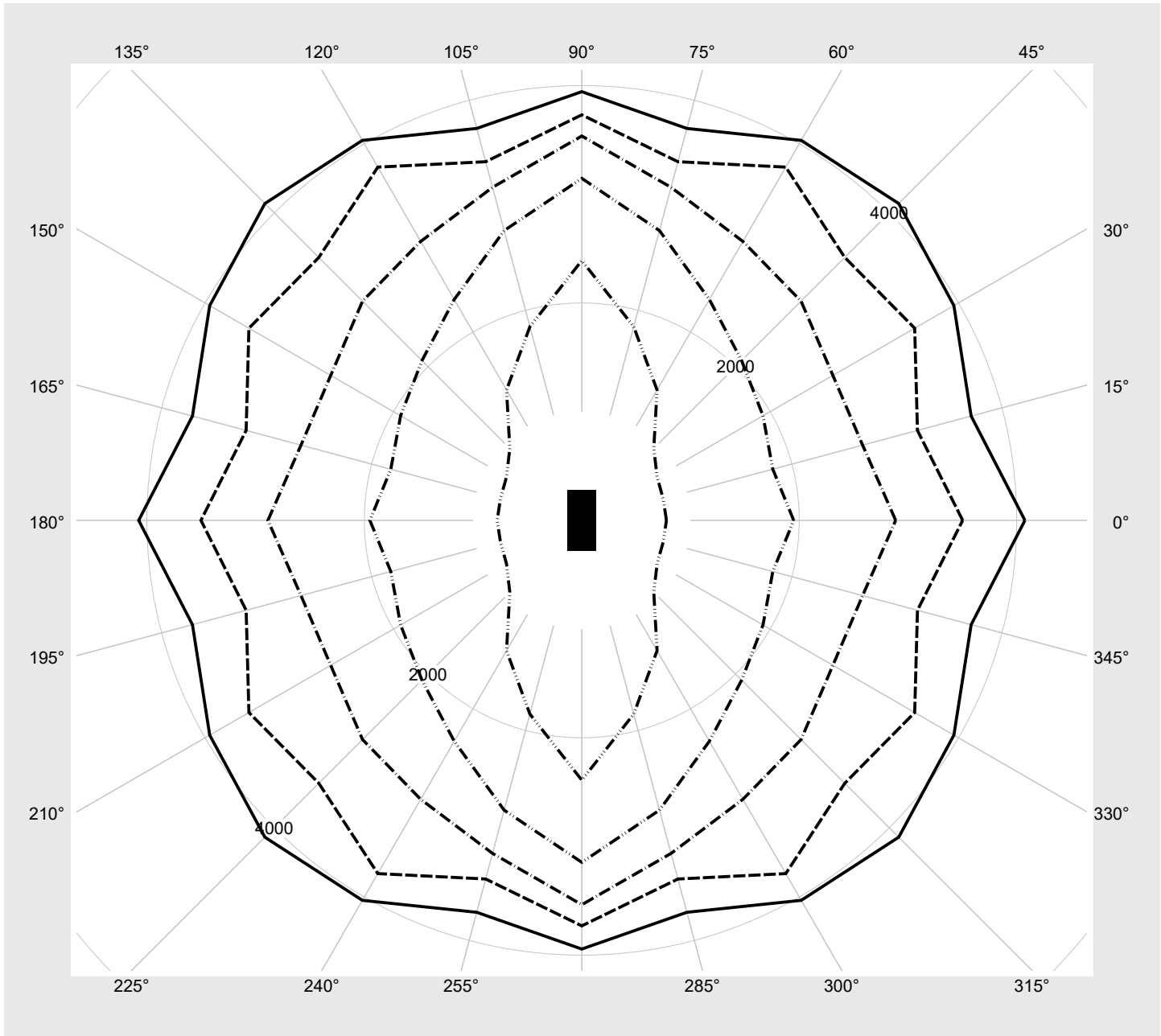
Photometric test report

Family Highbay 11	Order number: 51HN12DB4LDA03 EAN: 4069025242754	LP number 59710_69
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Highbay 11	Order number: 51HN12DB4LDA03 EAN: 4069025242754	LP number 59710_69
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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	26000	125.4
95	241	252	24724	118.7
90	228	250	23439	112.2
85	214	248	22054	105.2
80	201	245	20755	98.6
75	188	243	19459	92.2
70	175	240	18155	85.7
65	163	238	16943	79.9
60	150	235	15629	73.4
55	137	231	14297	66.9
50	124	228	12968	60.7
45	112	224	11732	54.7
40	99	219	10381	48.4
35	87	215	9132	42.7
30	74	209	7766	36.5
25	62	202	6501	30.8
20	50	194	5232	25.1
15	38	184	3949	19.5
10	25	169	2558	13.3
5	13	145	1260	7.4
2	6	117	502	4.0