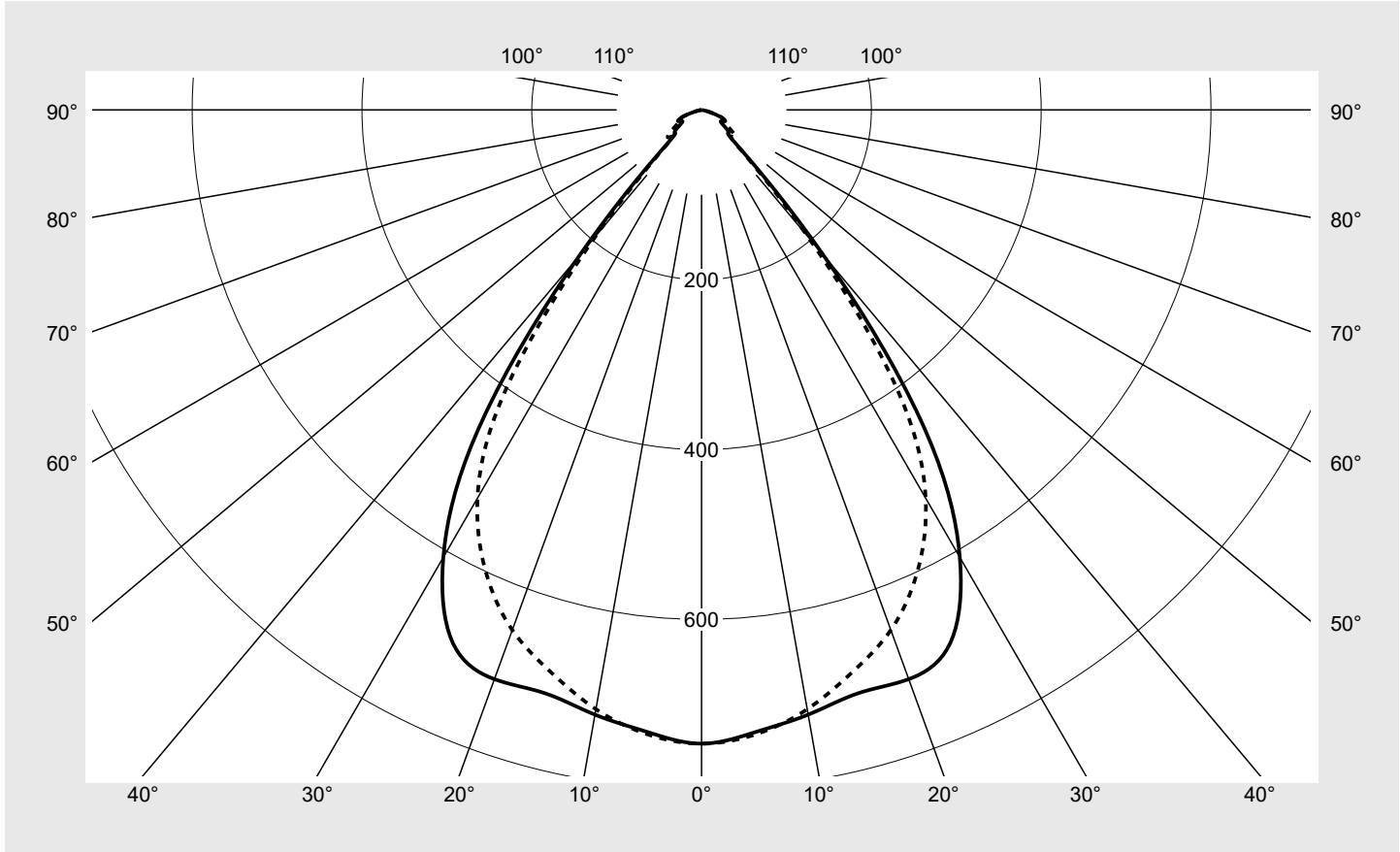


Photometric test report

Family Highbay 11	Order number: 51HLA2D34SCA + 59HL91002 EAN: 4058352474860 + 4058352341650	LP number 58924_27
Version	wide distribution, UGR≤22, cover panel, PC	serial documentation 04.05.2021
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 44830 lm Power consumption = 284.2 W Luminous efficacy = 157.7 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 746 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=88 N2=97 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: 51HLA2D34SCA + 59HL91002 EAN: 4058352474860 + 4058352341650	LP number 58924_27
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	4.5	4.5
5°	735.3	737.5	739.7	739.9	738.3	739.6	738.0	35.3	39.7
10°	723.2	726.6	729.4	728.5	722.4	719.9	716.7	69.0	108.7
15°	711.3	717.1	725.5	723.9	708.1	693.6	685.6	100.9	209.6
20°	713.4	718.0	728.3	720.4	690.5	663.2	651.9	131.3	340.9
25°	693.0	694.9	704.2	693.3	653.0	614.7	601.0	154.7	495.6
30°	608.4	605.8	624.6	634.7	585.4	537.6	527.9	162.4	658.1
35°	457.7	465.3	511.3	544.0	482.6	417.8	402.1	149.4	807.5
40°	223.2	249.0	306.2	349.8	284.7	219.8	194.6	95.0	902.5
45°	63.3	67.7	80.1	90.2	68.6	60.3	58.8	27.6	930.1
50°	41.6	37.0	34.8	39.2	39.3	44.2	50.6	16.8	947.0
55°	31.4	29.8	26.5	27.8	29.3	36.0	43.6	14.0	961.0
60°	26.5	29.7	26.3	21.9	21.3	25.9	33.0	12.2	973.2
65°	30.8	23.4	22.4	19.4	17.1	22.6	29.4	11.2	984.4
70°	22.6	17.1	16.5	15.8	14.1	17.3	23.9	8.9	993.3
75°	9.7	7.3	8.1	9.4	9.5	10.1	9.9	4.8	998.1
80°	2.5	2.3	2.6	3.2	3.7	3.7	3.7	1.7	999.8
85°	0.2	0.2	0.3	0.3	0.6	0.6	0.7	0.2	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

Photometric test report

Family Highbay 11	Order number: 51HLA2D34SCA + 59HL91002 EAN: 4058352474860 + 4058352341650	LP number 58924_27
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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	20.9	22.2	21.3	22.5	22.9	20.5	21.8	20.8	22.1	22.4
	3H	21.2	22.4	21.6	22.7	23.1	20.8	22.0	21.2	22.3	22.7
	4H	21.3	22.3	21.7	22.7	23.1	20.9	22.0	21.3	22.4	22.7
	6H	21.3	22.2	21.7	22.6	23.0	21.0	21.9	21.4	22.3	22.7
	8H	21.3	22.1	21.8	22.5	22.9	21.0	21.8	21.4	22.2	22.6
	12H	21.3	22.0	21.7	22.4	22.9	21.0	21.7	21.4	22.1	22.6
4H	2H	20.9	21.9	21.3	22.3	22.6	20.4	21.5	20.8	21.8	22.2
	3H	21.3	22.1	21.7	22.5	22.9	20.9	21.7	21.3	22.1	22.5
	4H	21.3	22.1	21.8	22.5	23.0	21.0	21.8	21.5	22.2	22.6
	6H	21.3	22.0	21.8	22.4	22.9	21.0	21.7	21.5	22.1	22.6
	8H	21.3	21.9	21.7	22.3	22.8	21.0	21.6	21.5	22.0	22.5
	12H	21.3	21.7	21.8	22.2	22.7	21.0	21.5	21.5	22.0	22.5
8H	4H	21.3	21.9	21.8	22.3	22.8	21.0	21.6	21.5	22.0	22.5
	6H	21.2	21.7	21.7	22.2	22.7	21.0	21.5	21.5	22.0	22.5
	8H	21.2	21.6	21.7	22.1	22.6	21.0	21.4	21.5	21.9	22.4
	12H	21.2	21.5	21.7	22.0	22.6	21.0	21.3	21.5	21.8	22.4
12H	4H	21.3	21.8	21.8	22.2	22.7	21.0	21.5	21.5	21.9	22.4
	6H	21.3	21.6	21.8	22.1	22.7	21.0	21.4	21.5	21.9	22.4
	8H	21.2	21.5	21.7	22.0	22.6	21.0	21.3	21.5	21.8	22.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 885 B = 312
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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/m ²						
45°	14539.0	15537.8	18401.4	20721.4	15748.3	13842.6	13492.6
50°	10515.5	9350.4	8777.5	9904.3	9936.6	11174.3	12772.6
55°	8883.9	8426.7	7498.6	7858.0	8288.9	10194.4	12339.7
60°	8599.1	9633.6	8536.4	7127.1	6918.7	8397.4	10713.0
65°	11816.3	8981.5	8596.9	7459.4	6582.4	8676.8	11293.4
70°	10710.2	8106.0	7844.9	7477.9	6714.6	8224.7	11338.2
75°	6075.4	4596.8	5062.3	5921.7	5958.1	6340.7	6190.2
80°	2334.6	2119.6	2466.5	3023.7	3470.6	3471.6	3485.6
85°	413.5	419.1	478.7	631.5	1030.1	1125.2	1235.1

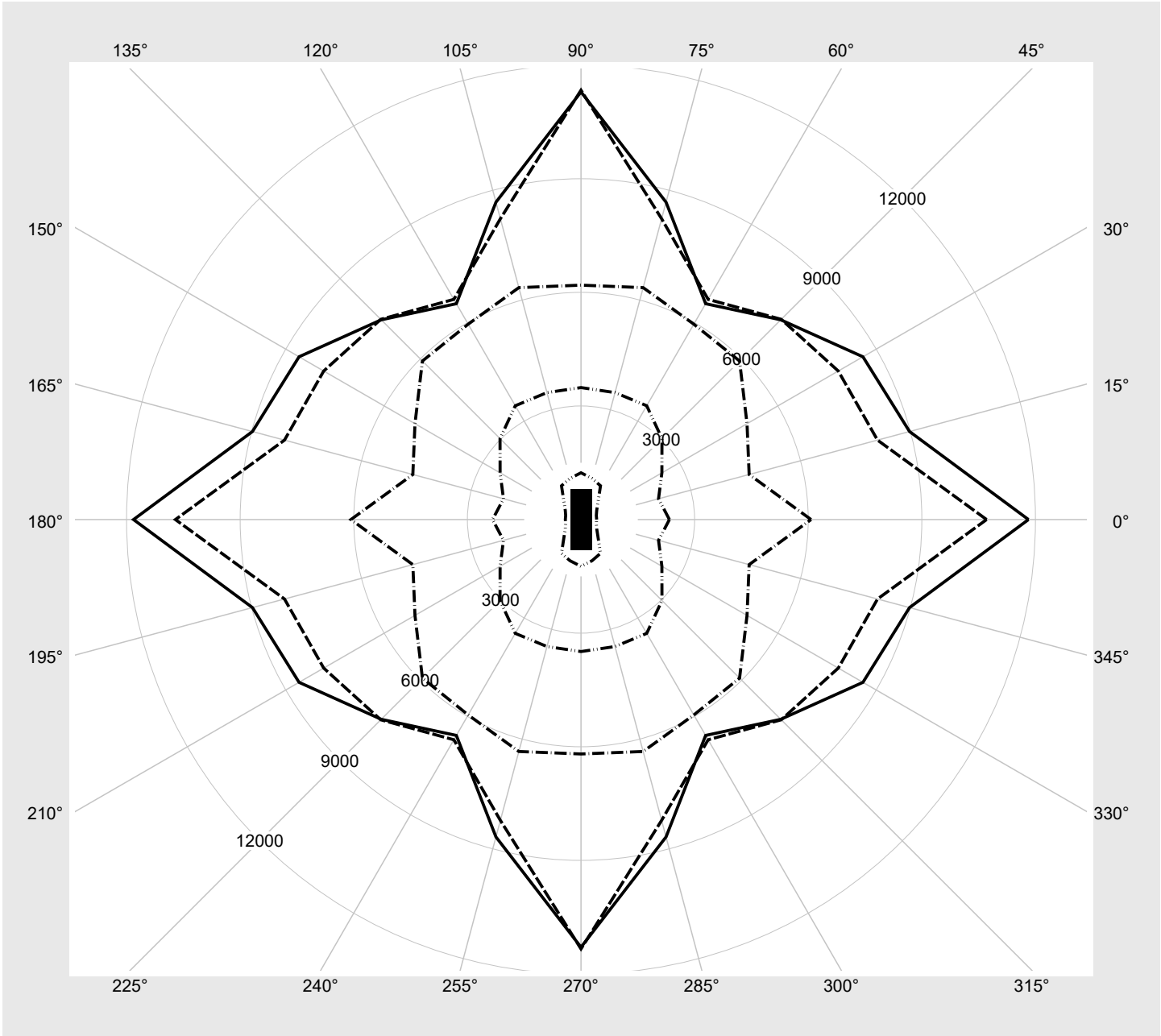
Photometric test report

Family Highbay 11	Order number: 51HLA2D34SCA + 59HL91002 EAN: 4058352474860 + 4058352341650	LP number 58924_27
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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siteco



Photometric test report

Family Highbay 11	Order number: 51HLA2D34SCA + 59HL91002 EAN: 4058352474860 + 4058352341650	LP number 58924_27
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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	44830	284.2
95	240	252	42531	268.2
90	227	250	40369	253.5
85	213	247	38026	237.5
80	200	245	35828	222.6
75	187	243	33608	208.3
70	174	240	31375	193.8
65	161	237	29117	179.6
60	148	234	26848	165.4
55	136	231	24721	152.1
50	123	228	22413	138.1
45	111	224	20262	125.0
40	98	220	17916	111.2
35	86	215	15732	98.2
30	74	210	13527	85.6
25	61	204	11127	72.1
20	49	197	8894	59.3
15	37	188	6644	46.7
10	26	177	4558	35.0
5	14	161	2275	22.4