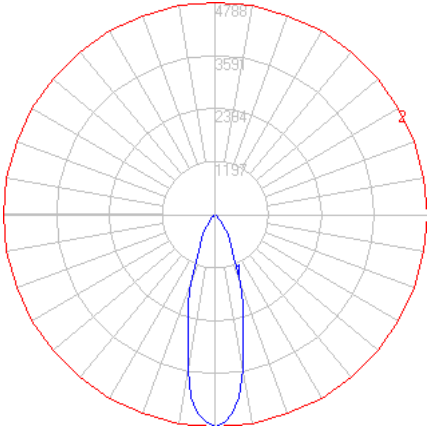
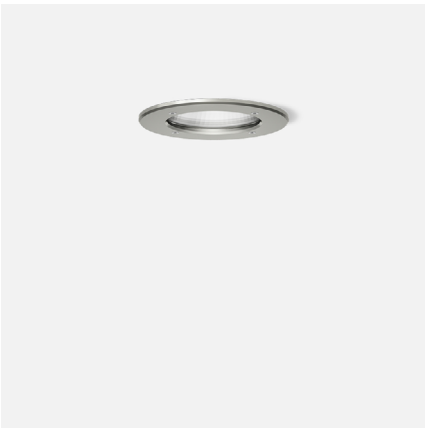


BEGA

File: 24285K4_BEGA_IES.ies

TEST: BE_24285K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 285K4
LAMP: 16.8W LED

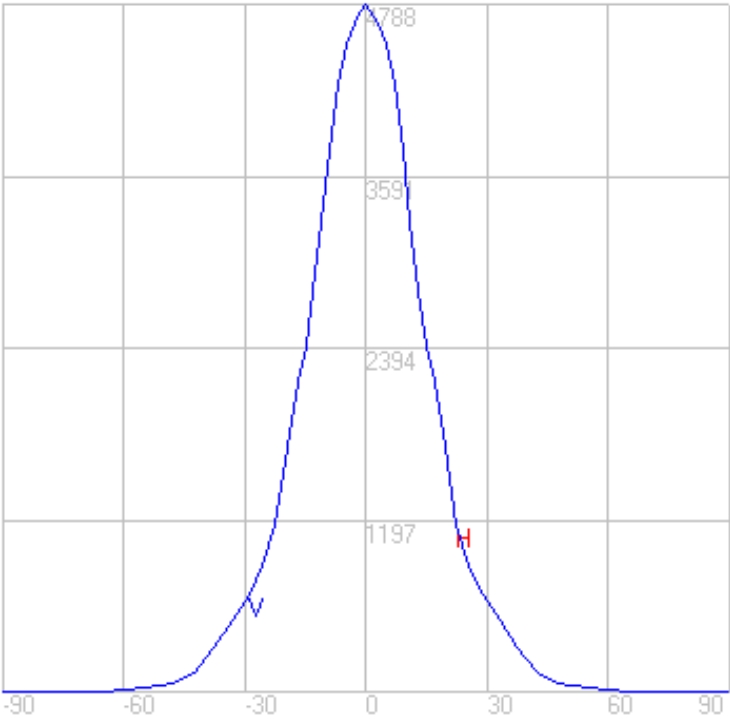
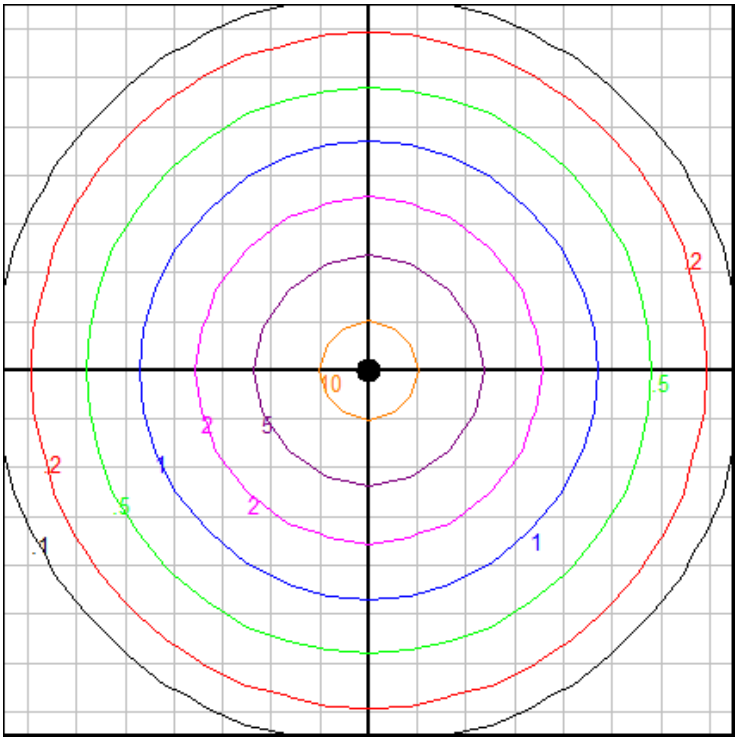


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	4787.681
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	30.3
Vertical Beam Angle (50%)	30.3
Horizontal Field Angle (10%)	66.9
Vertical Field Angle (10%)	66.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	764
Beam Efficiency	N.A.
Field Lumens	1632
Field Efficiency	N.A.
Spill Lumens	252
Luminaire Lumens	1884
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	400.99
10-20	680.51
20-30	444.73
30-40	255.75
40-50	74.39
50-60	21.05
60-70	3.35
70-80	0.62
80-90	0.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 20 ft.

Grid Spacing: 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

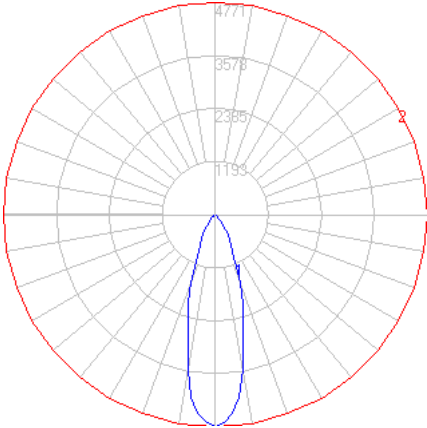
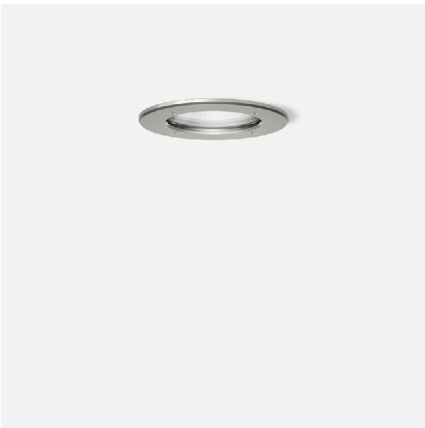
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BEGA

File: 24285K35_BEGA_IES.ies

TEST: BE_24285K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 285K35
LAMP: 16.8W LED

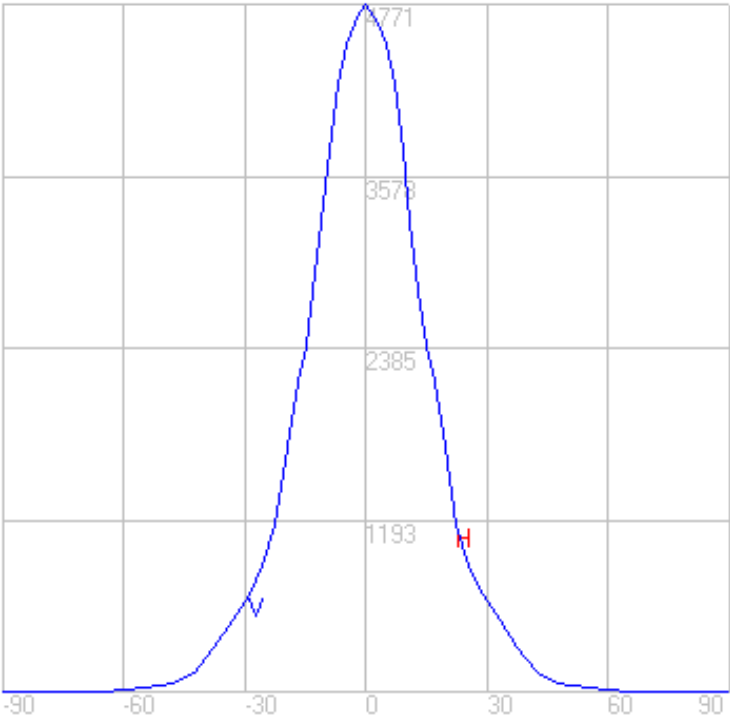
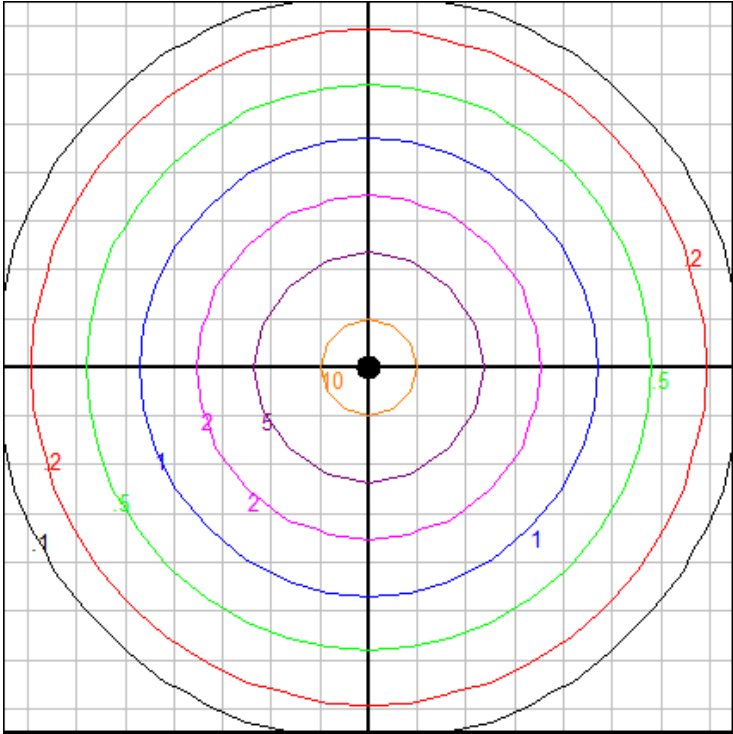


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	4770.763
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	30.3
Vertical Beam Angle (50%)	30.3
Horizontal Field Angle (10%)	66.9
Vertical Field Angle (10%)	66.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	761
Beam Efficiency	N.A.
Field Lumens	1626
Field Efficiency	N.A.
Spill Lumens	251
Luminaire Lumens	1877
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	399.57
10-20	678.10
20-30	443.16
30-40	254.84
40-50	74.13
50-60	20.98
60-70	3.34
70-80	0.61
80-90	0.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

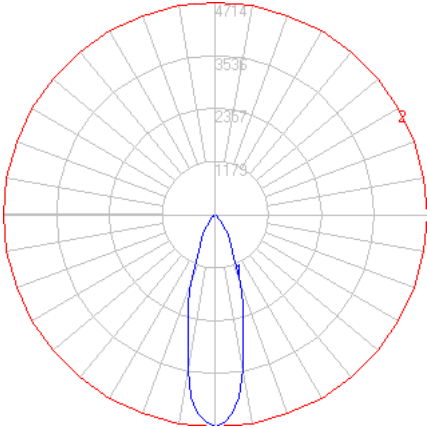
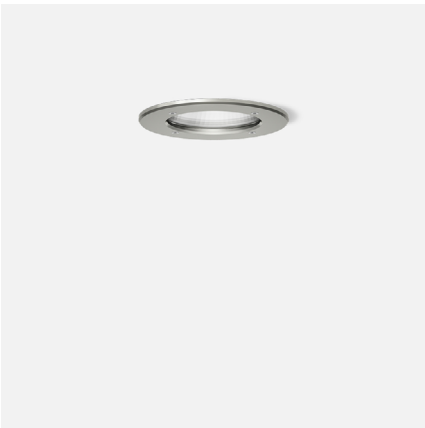


Mounting Height: 20 ft. Grid Spacing: 2.5 ft.

BEGA

File: 24285K3_BEGA_IES.ies

TEST: BE_24285K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 285K3
LAMP: 16.8W LED

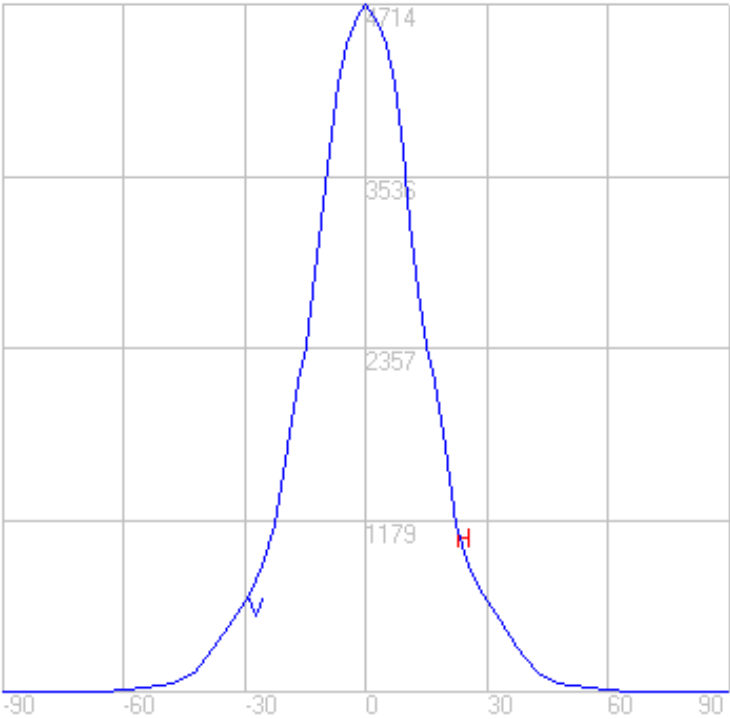
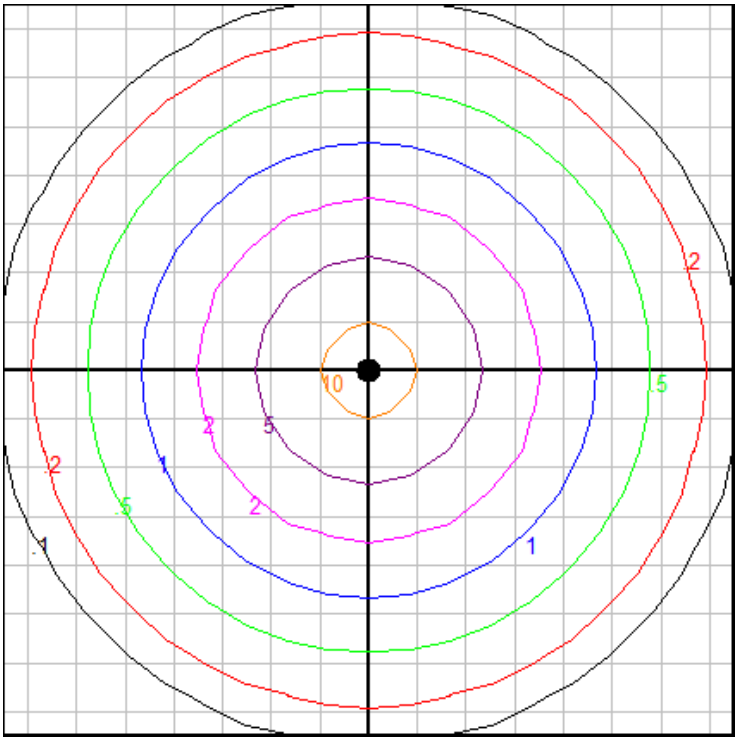


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	4714.371
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	30.3
Vertical Beam Angle (50%)	30.3
Horizontal Field Angle (10%)	66.9
Vertical Field Angle (10%)	66.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	752
Beam Efficiency	N.A.
Field Lumens	1607
Field Efficiency	N.A.
Spill Lumens	248
Luminaire Lumens	1855
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	394.85
10-20	670.09
20-30	437.92
30-40	251.83
40-50	73.25
50-60	20.73
60-70	3.30
70-80	0.61
80-90	0.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 20 ft.

Grid Spacing: 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

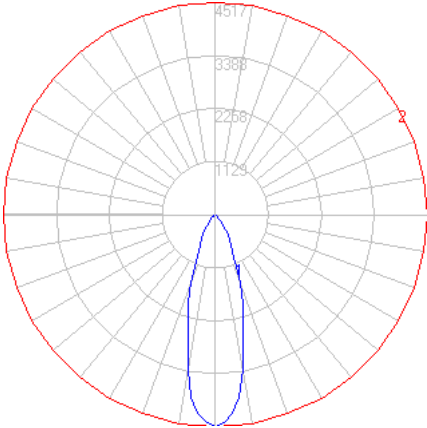
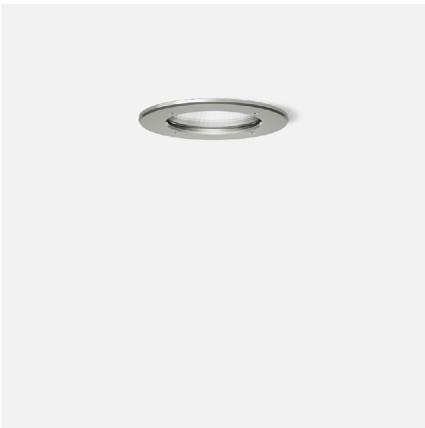
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BEGA

File: 24285K27_BEGA_IES.ies

TEST: BE_24285K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 285K27
LAMP: 16.8W LED

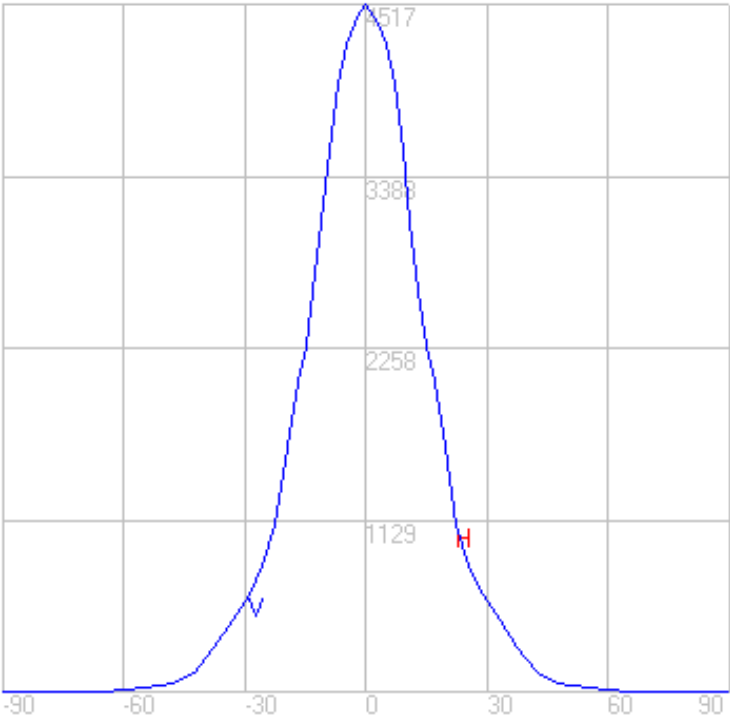
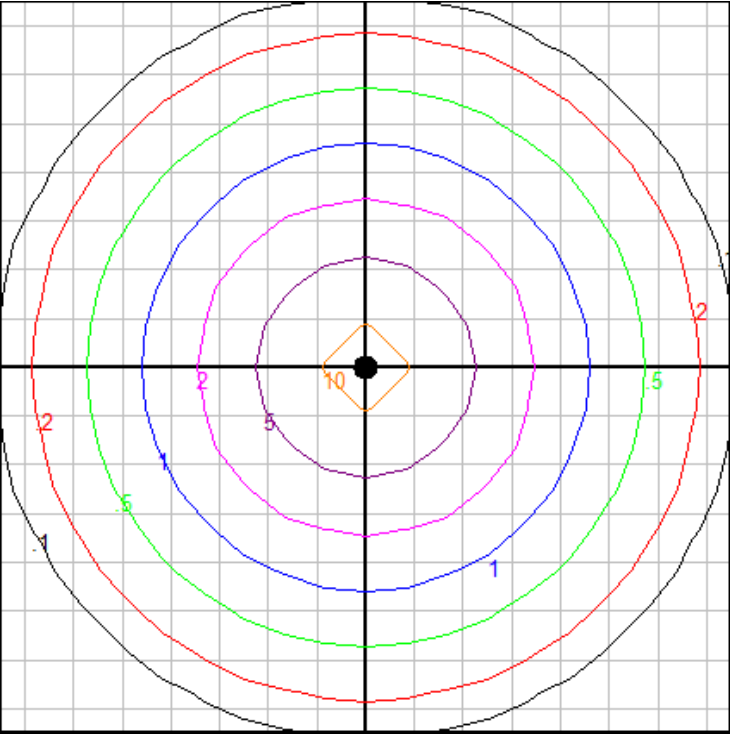


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	4516.999
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	30.3
Vertical Beam Angle (50%)	30.3
Horizontal Field Angle (10%)	66.9
Vertical Field Angle (10%)	66.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	721
Beam Efficiency	N.A.
Field Lumens	1539
Field Efficiency	N.A.
Spill Lumens	238
Luminaire Lumens	1777
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	378.32
10-20	642.03
20-30	419.59
30-40	241.29
40-50	70.19
50-60	19.86
60-70	3.16
70-80	0.58
80-90	0.31
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 20 ft.

Grid Spacing: 2.5 ft.

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