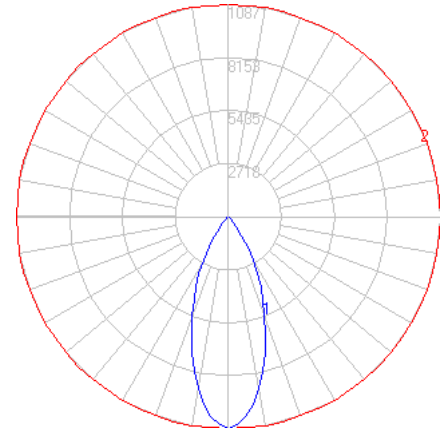
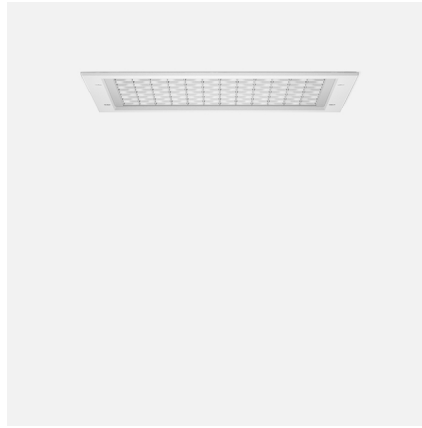


BEGA

File: 24146K4_BEGA_IES.ies

TEST: BE_24146K4
TEST LAB: BEGA
DATE: 9/24/2019
LUMINAIRE: 24 146K4
LAMP: 56W LED

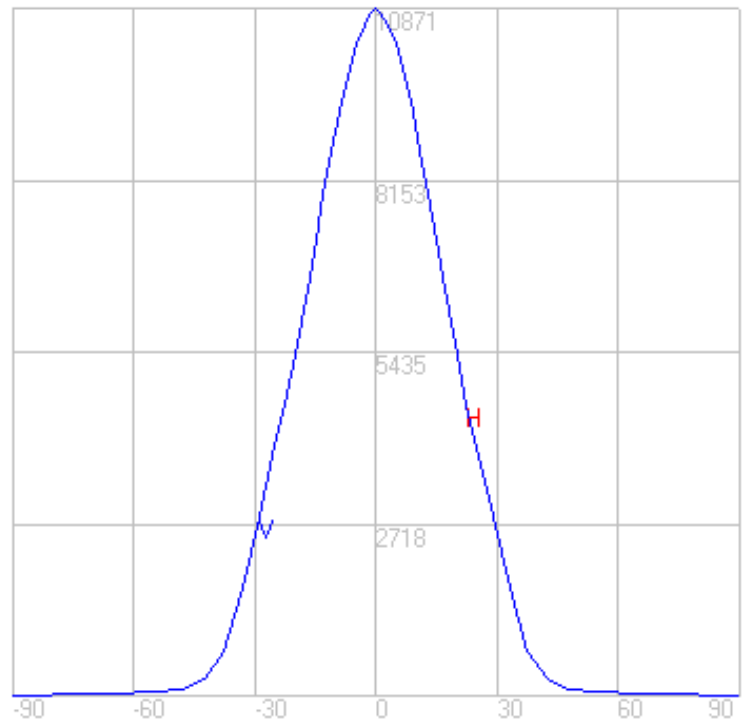
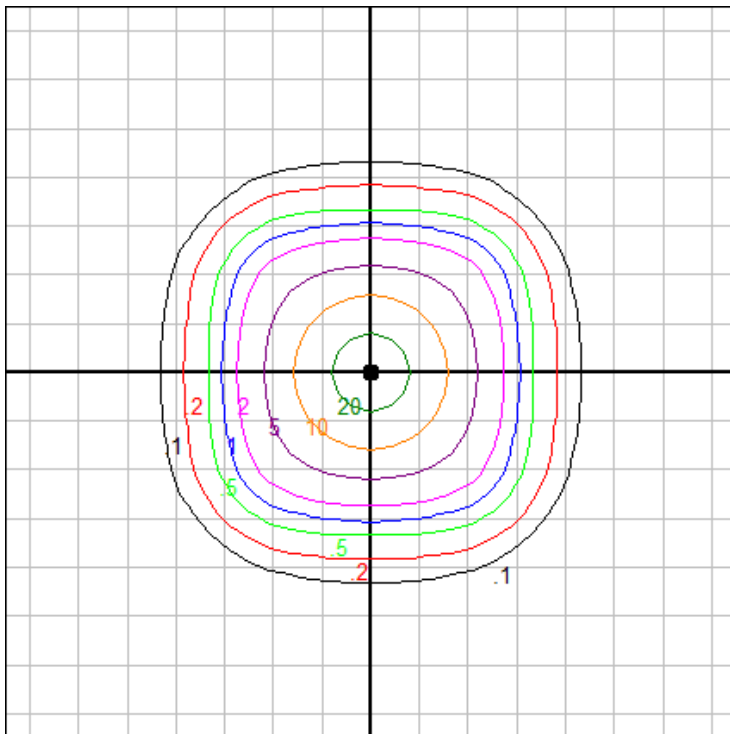


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	10870.7
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	39.8
Vertical Beam Angle (50%)	39.8
Horizontal Field Angle (10%)	71.5
Vertical Field Angle (10%)	71.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2951
Beam Efficiency	N.A.
Field Lumens	5702
Field Efficiency	N.A.
Spill Lumens	465
Luminaire Lumens	6168
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	940.37
10-20	1981.04
20-30	1868.42
30-40	1030.8
40-50	224.07
50-60	59.79
60-70	32.21
70-80	16.00
80-90	3.27
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: 5 ft.

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

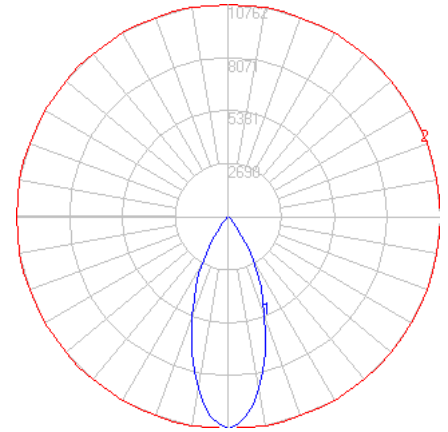
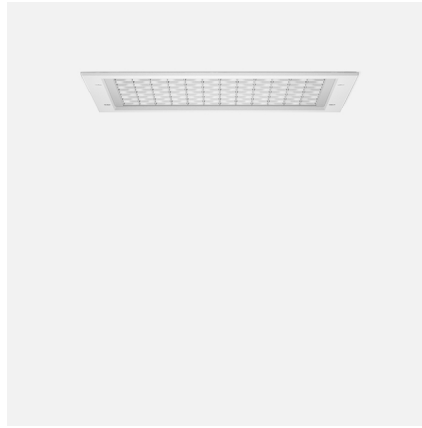
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BEGA

File: 24146K35_BEGA_IES.ies

TEST: BE_24146K4
TEST LAB: BEGA
DATE: 9/24/2019
LUMINAIRE: 24 146K35
LAMP: 56W LED

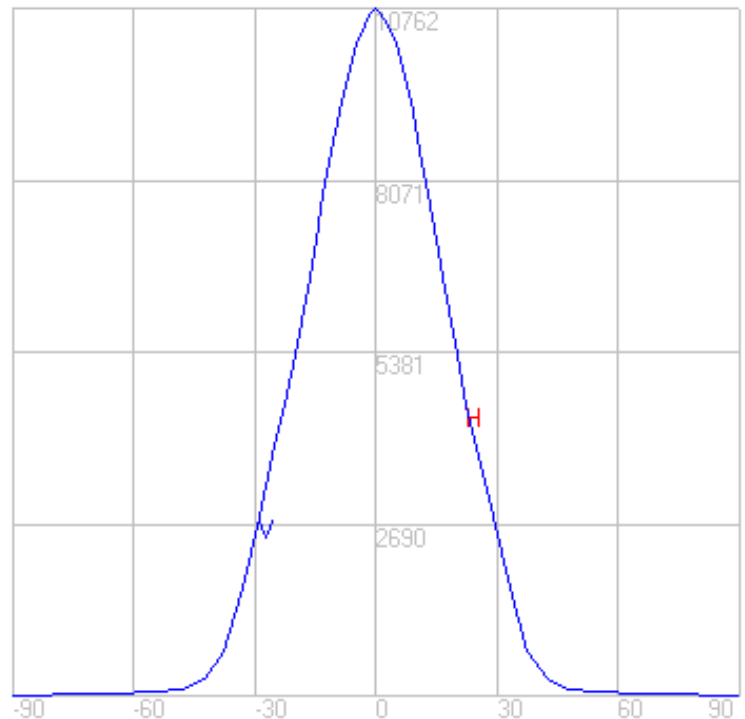
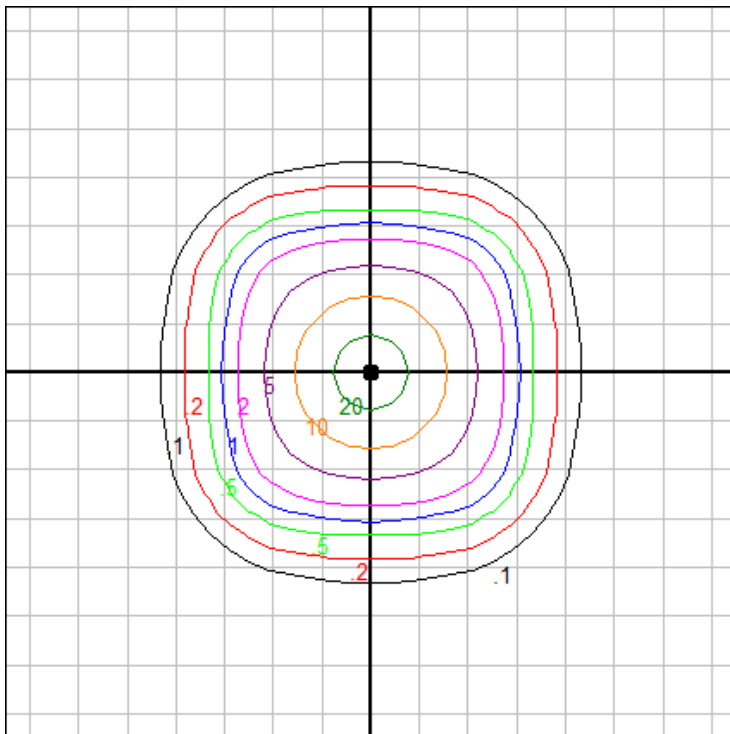


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	10761.993
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	39.8
Vertical Beam Angle (50%)	39.8
Horizontal Field Angle (10%)	71.5
Vertical Field Angle (10%)	71.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2921
Beam Efficiency	N.A.
Field Lumens	5645
Field Efficiency	N.A.
Spill Lumens	461
Luminaire Lumens	6106
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	930.96
10-20	1961.22
20-30	1849.74
30-40	1020.49
40-50	221.83
50-60	59.19
60-70	31.88
70-80	15.84
80-90	3.23
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: 5 ft.

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

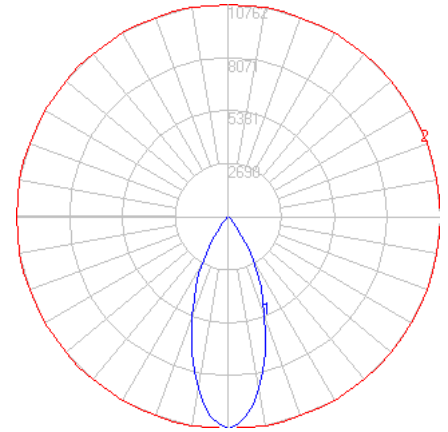
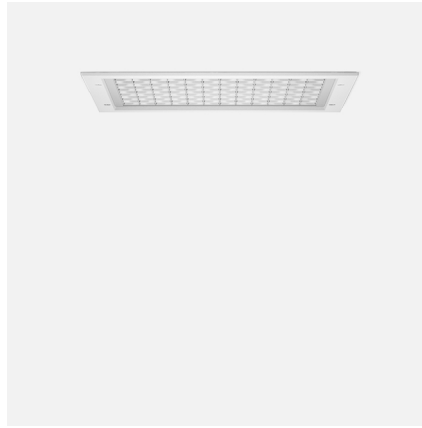
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BEGA

File: 24146K3_BEGA_IES.ies

TEST: BE_24146K4
TEST LAB: BEGA
DATE: 9/24/2019
LUMINAIRE: 24 146K3
LAMP: 56W LED

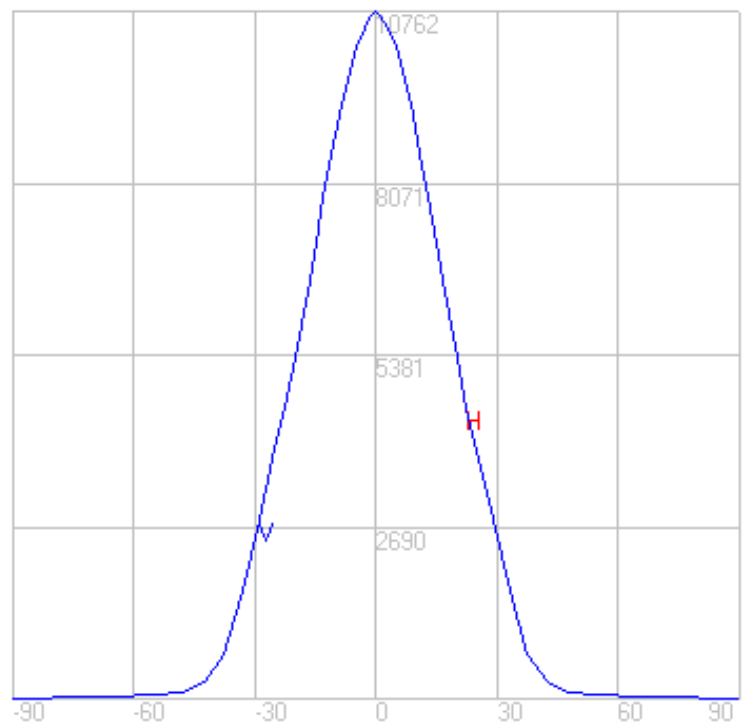
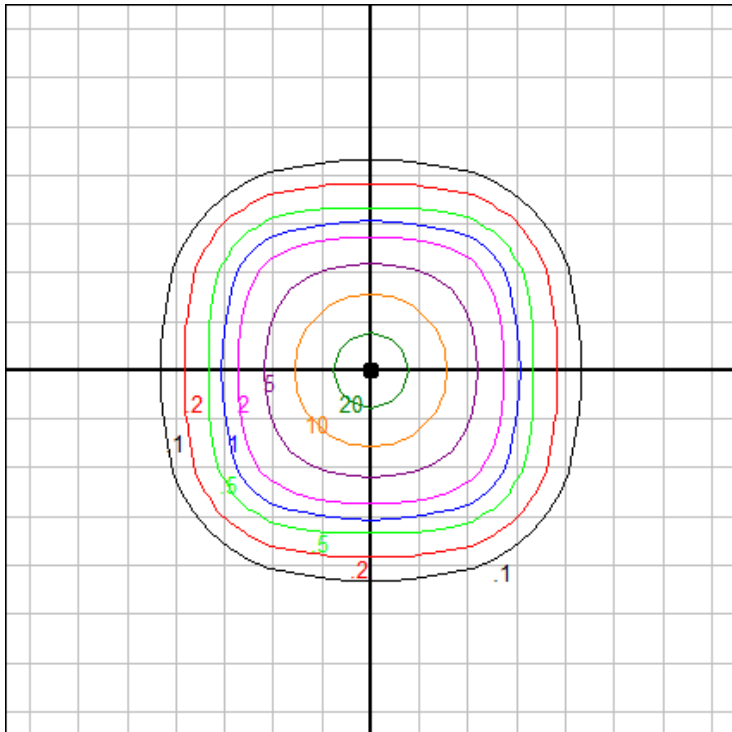


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	10761.993
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	39.8
Vertical Beam Angle (50%)	39.8
Horizontal Field Angle (10%)	71.5
Vertical Field Angle (10%)	71.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2921
Beam Efficiency	N.A.
Field Lumens	5645
Field Efficiency	N.A.
Spill Lumens	461
Luminaire Lumens	6106
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	930.96
10-20	1961.22
20-30	1849.74
30-40	1020.49
40-50	221.83
50-60	59.19
60-70	31.88
70-80	15.84
80-90	3.23
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: 5 ft.

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

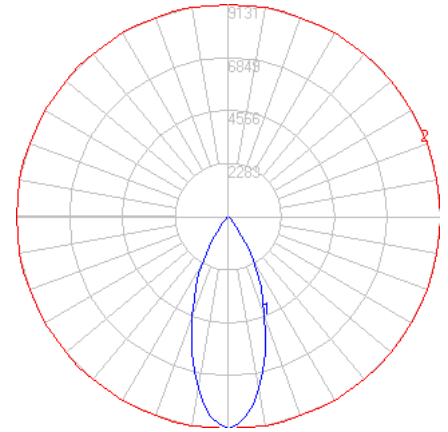
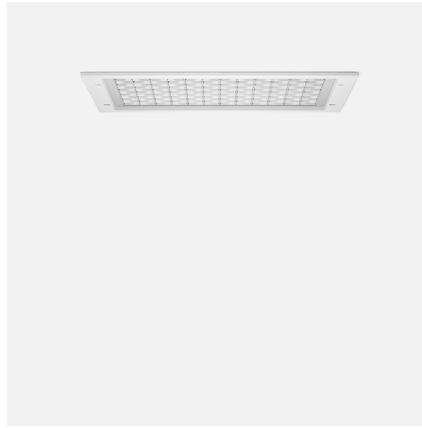
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BEGA

File: 24146K27_BEGA_IES.ies

TEST: BE_24146K4
TEST LAB: BEGA
DATE: 9/24/2019
LUMINAIRE: 24 146K27
LAMP: 56W LED

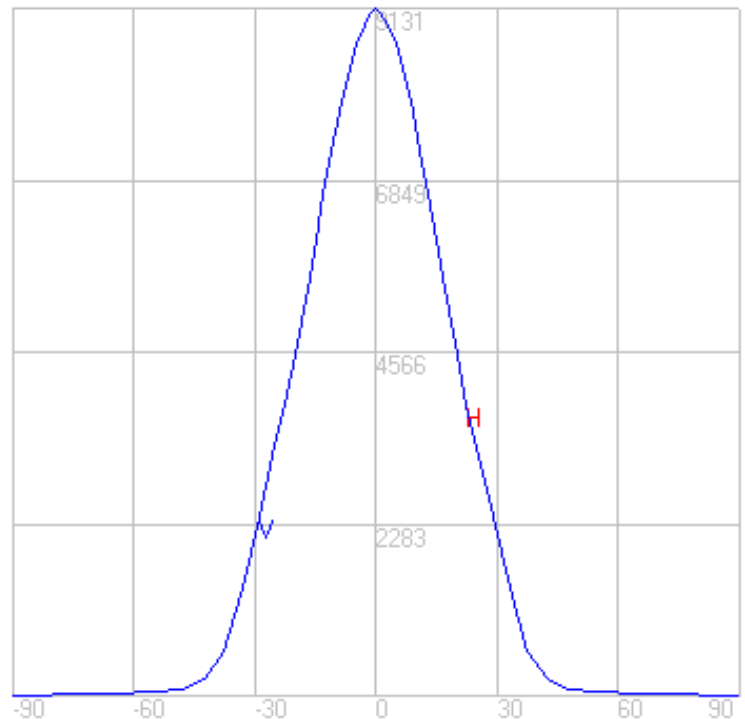
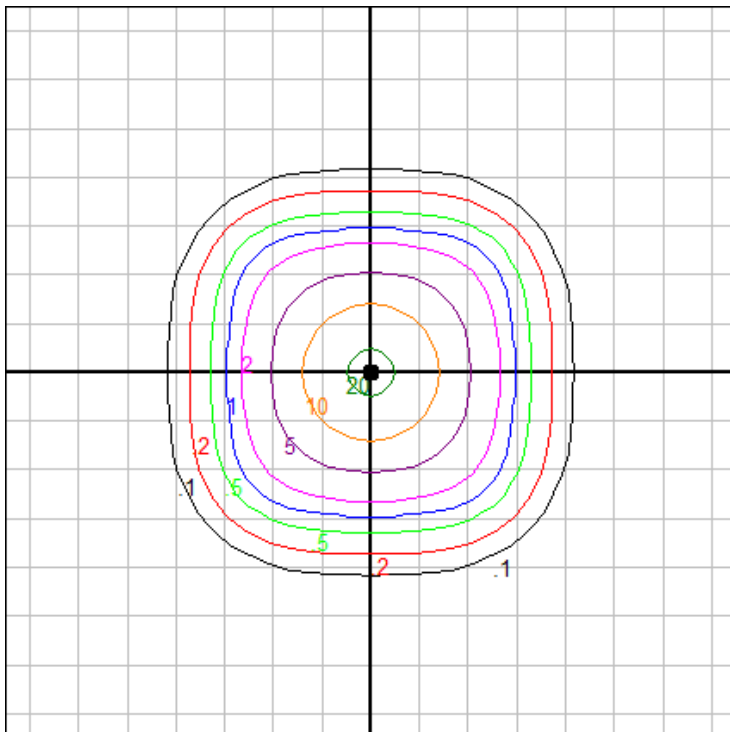


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	9131.388
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	39.8
Vertical Beam Angle (50%)	39.8
Horizontal Field Angle (10%)	71.5
Vertical Field Angle (10%)	71.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2479
Beam Efficiency	N.A.
Field Lumens	4790
Field Efficiency	N.A.
Spill Lumens	391
Luminaire Lumens	5181
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	789.91
10-20	1664.07
20-30	1569.48
30-40	865.87
40-50	188.22
50-60	50.22
60-70	27.05
70-80	13.44
80-90	2.74
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: 5 ft.

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