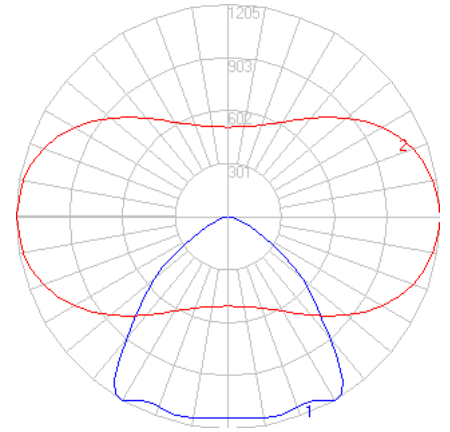
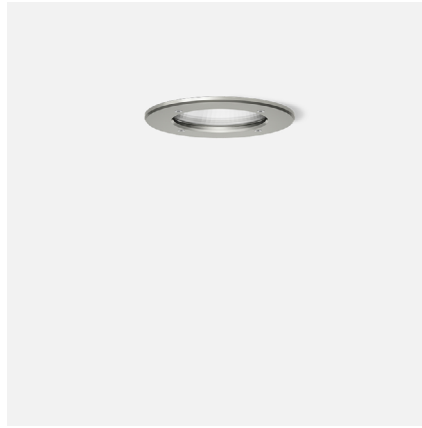


BEGA

File: 24330K4_BEGA_IES.ies

TEST: BE_24330K4
TEST LAB: BEGA
DATE: 6/25/2019
LUMINAIRE: 24 330K4
LAMP: 16.8W LED

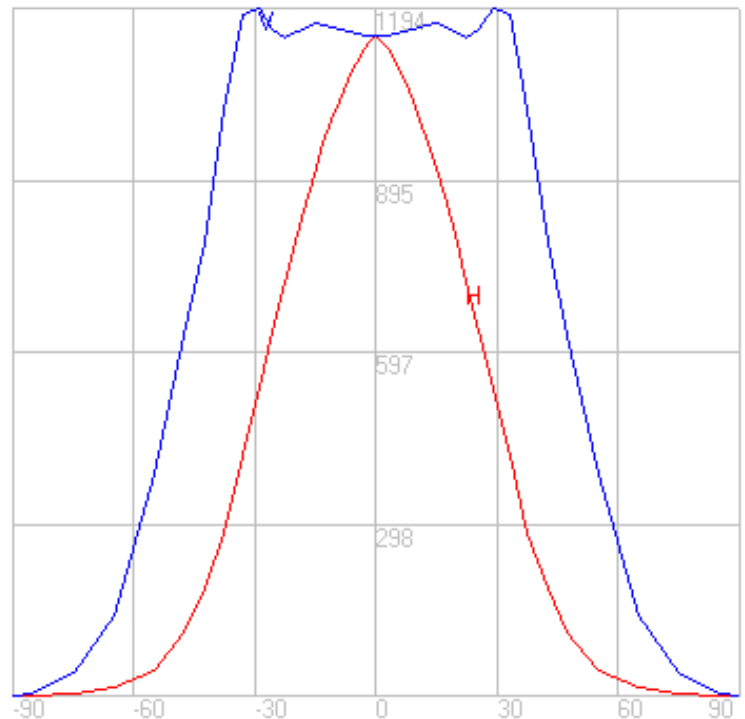
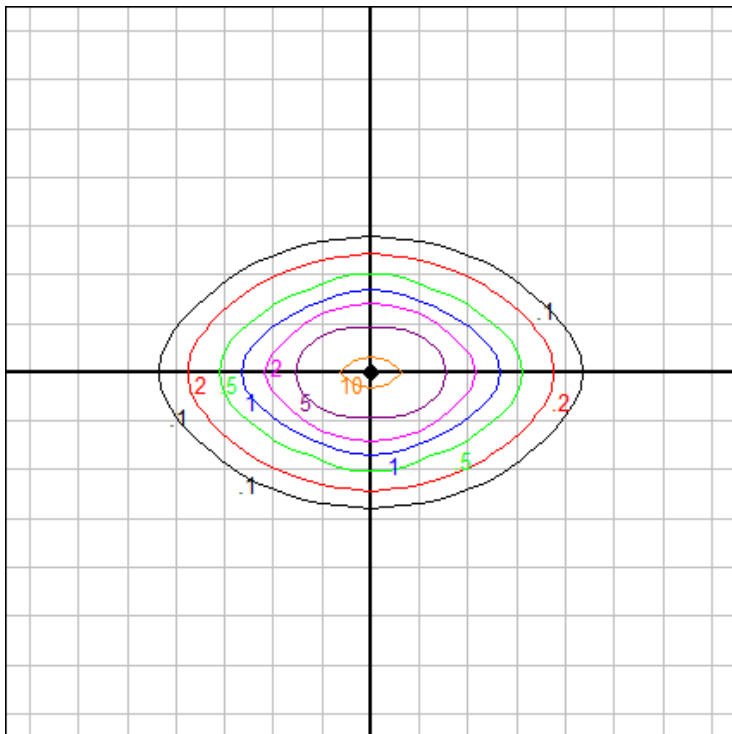


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1193.83
Maximum Candela Angle	0 H -29 V
Horizontal Beam Angle (50%)	44.3
Vertical Beam Angle (50%)	96.9
Horizontal Field Angle (10%)	81.0
Vertical Field Angle (10%)	133.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1111
Beam Efficiency	N.A.
Field Lumens	1565
Field Efficiency	N.A.
Spill Lumens	100
Luminaire Lumens	1665
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	106.10
10-20	292.73
20-30	420.05
30-40	401.52
40-50	239.61
50-60	128.13
60-70	51.16
70-80	16.28
80-90	2.40
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: 10 ft.

Grid Spacing: 5 ft.

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

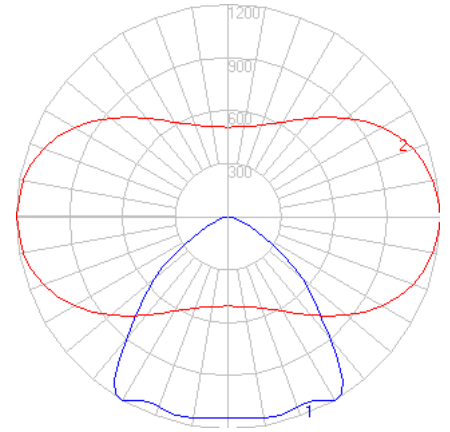
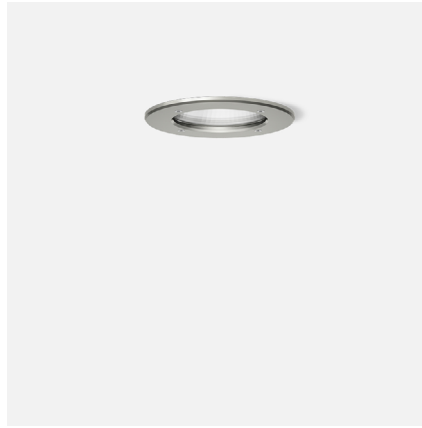
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File: 24330K35_BEGA_IES.ies

TEST: BE_24330K4
TEST LAB: BEGA
DATE: 6/25/2019
LUMINAIRE: 24 330K35
LAMP: 16.8W LED

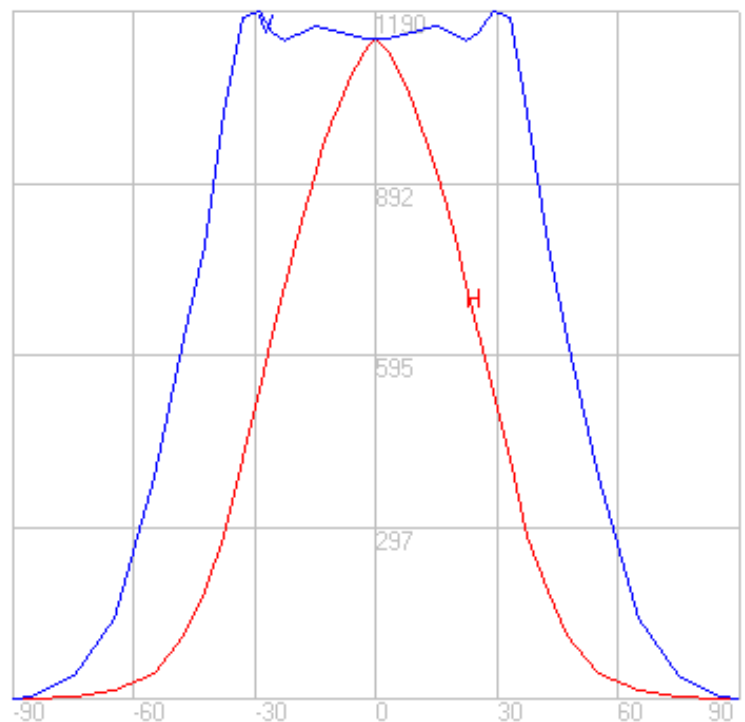
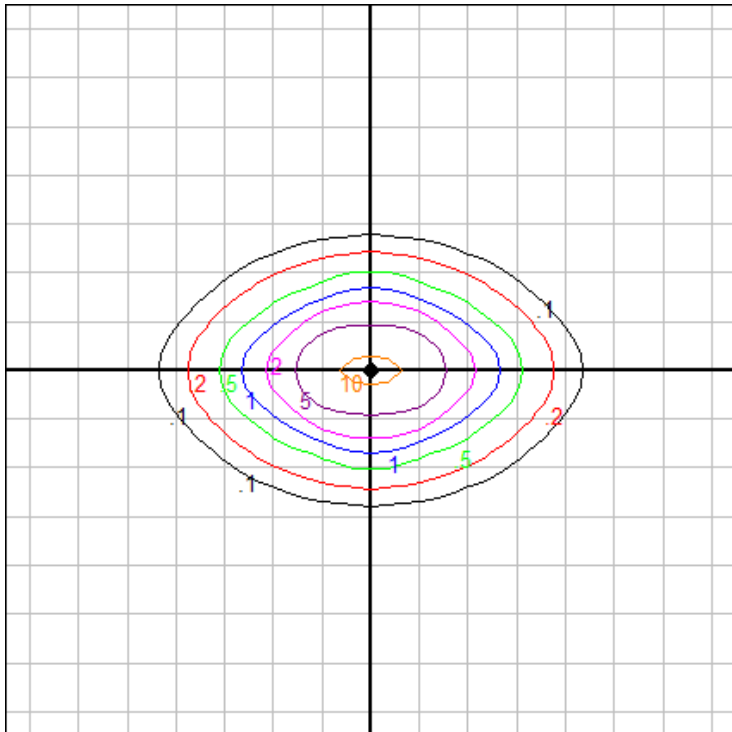


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1189.611
Maximum Candela Angle	0 H -29 V
Horizontal Beam Angle (50%)	44.3
Vertical Beam Angle (50%)	96.9
Horizontal Field Angle (10%)	81.0
Vertical Field Angle (10%)	133.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1107
Beam Efficiency	N.A.
Field Lumens	1559
Field Efficiency	N.A.
Spill Lumens	100
Luminaire Lumens	1659
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	105.73
10-20	291.69
20-30	418.56
30-40	400.11
40-50	238.76
50-60	127.68
60-70	50.98
70-80	16.22
80-90	2.39
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: 10 ft.

Grid Spacing: 5 ft.

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

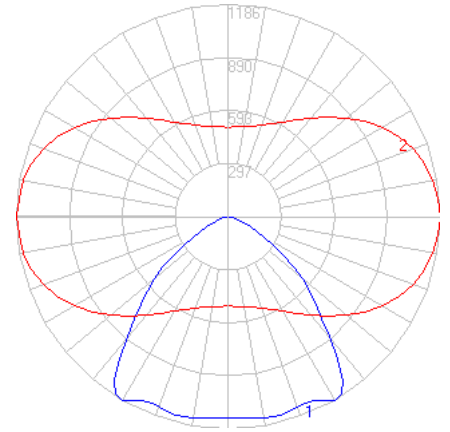
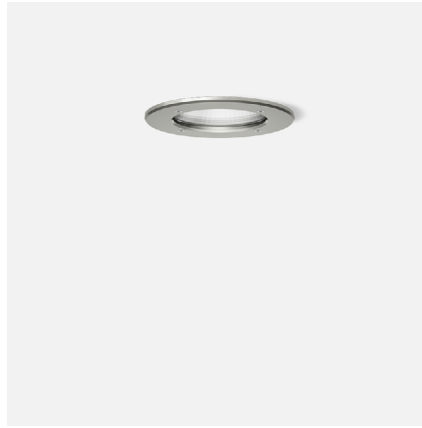
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File: 24330K3_BEGA_IES.ies

TEST: BE_24330K4
TEST LAB: BEGA
DATE: 6/25/2019
LUMINAIRE: 24 330K3
LAMP: 16.8W LED

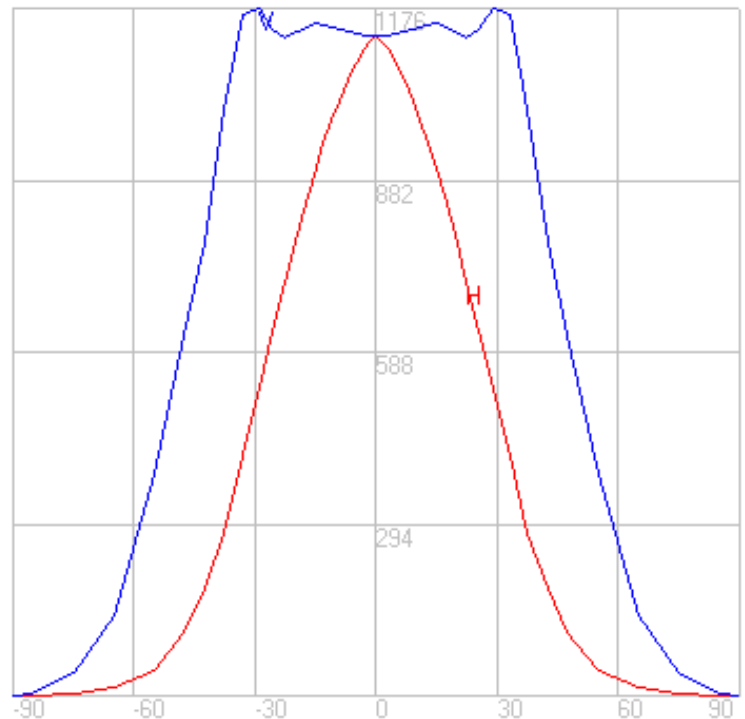
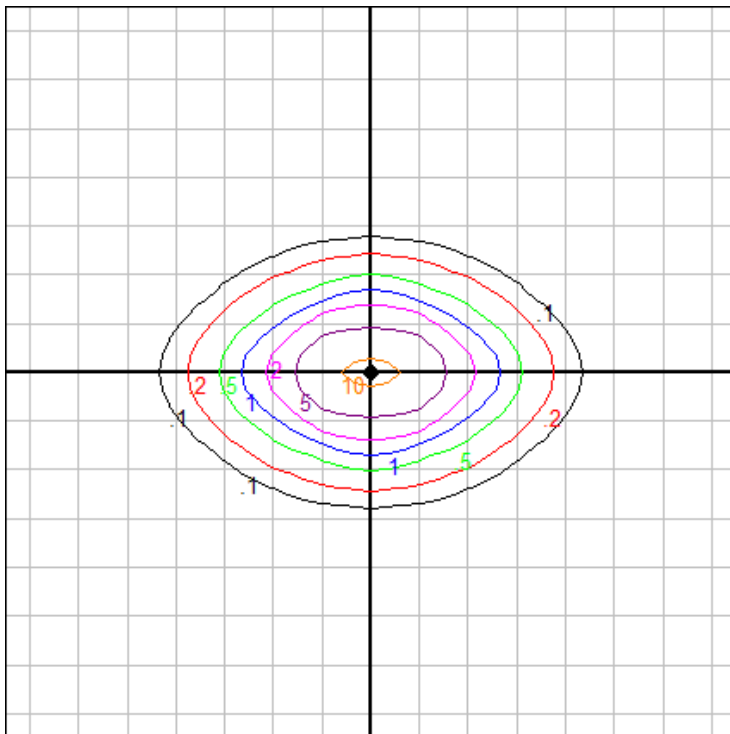


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1175.55
Maximum Candela Angle	0 H -29 V
Horizontal Beam Angle (50%)	44.3
Vertical Beam Angle (50%)	96.9
Horizontal Field Angle (10%)	81.0
Vertical Field Angle (10%)	133.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1094
Beam Efficiency	N.A.
Field Lumens	1541
Field Efficiency	N.A.
Spill Lumens	98
Luminaire Lumens	1639
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	104.48
10-20	288.25
20-30	413.61
30-40	395.38
40-50	235.94
50-60	126.17
60-70	50.38
70-80	16.03
80-90	2.36
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: 10 ft.

Grid Spacing: 5 ft.

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

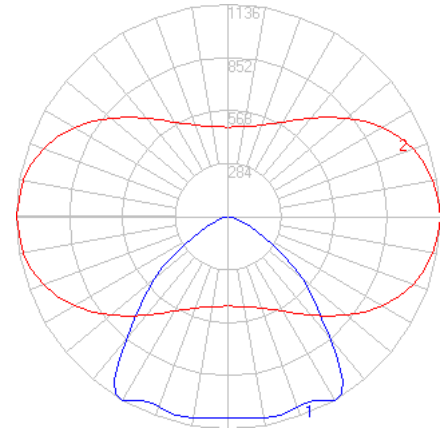
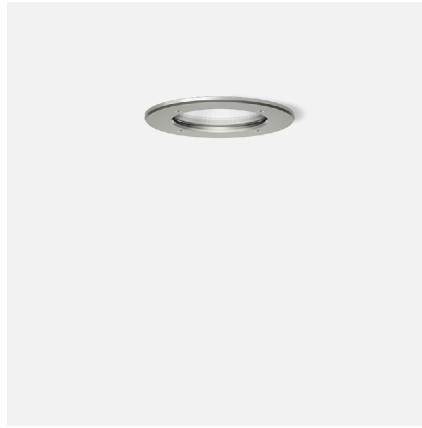
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File: 24330K27_BEGA_IES.ies

TEST: BE_24330K4
TEST LAB: BEGA
DATE: 6/25/2019
LUMINAIRE: 24 330K27
LAMP: 16.8W LED

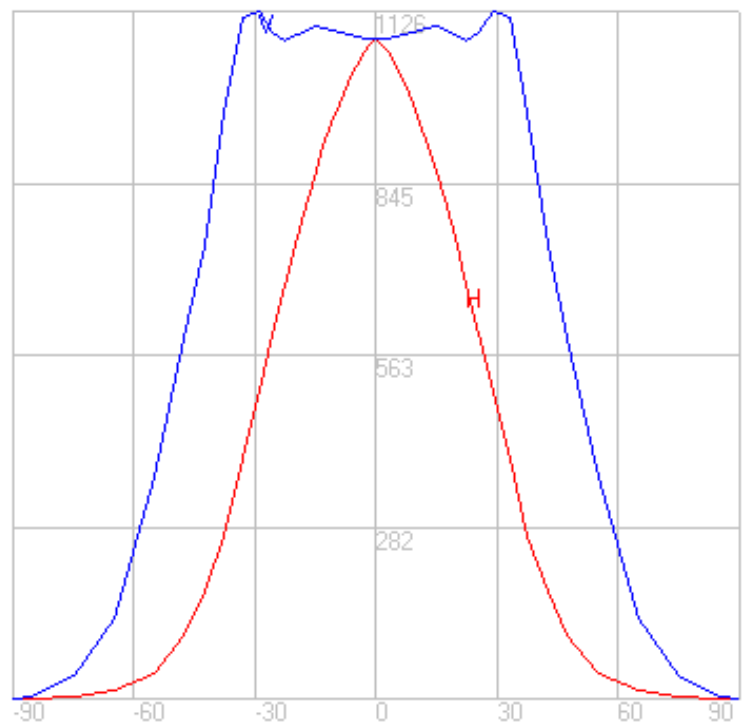
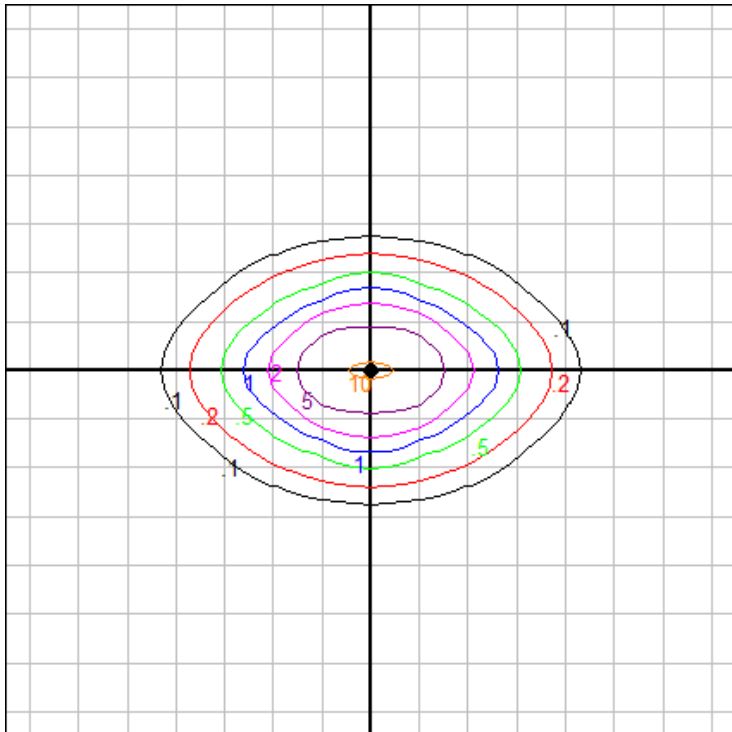


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1126.334
Maximum Candela Angle	0 H -29 V
Horizontal Beam Angle (50%)	44.3
Vertical Beam Angle (50%)	96.9
Horizontal Field Angle (10%)	81.0
Vertical Field Angle (10%)	133.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1048
Beam Efficiency	N.A.
Field Lumens	1476
Field Efficiency	N.A.
Spill Lumens	94
Luminaire Lumens	1571
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	100.10
10-20	276.18
20-30	396.30
30-40	378.82
40-50	226.06
50-60	120.89
60-70	48.27
70-80	15.36
80-90	2.26
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: 10 ft.

Grid Spacing: 5 ft.

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