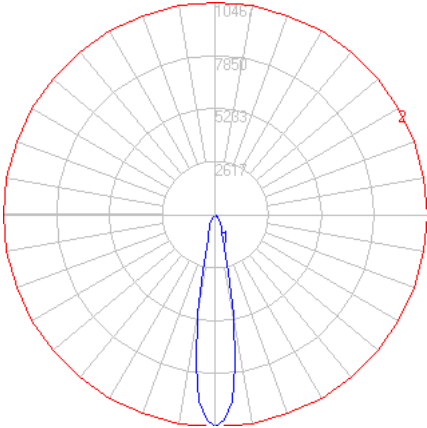
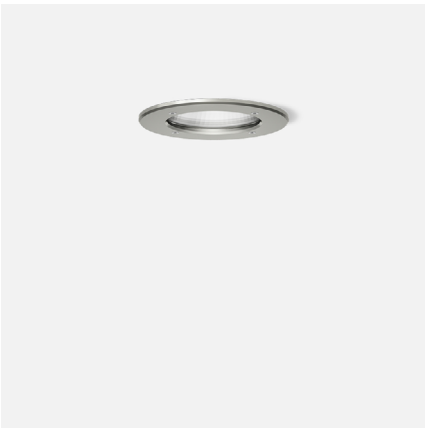


BEGA

File: 24277K4_BEGA_IES.ies

TEST: BE_24277K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 277K4
LAMP: 16.8W LED

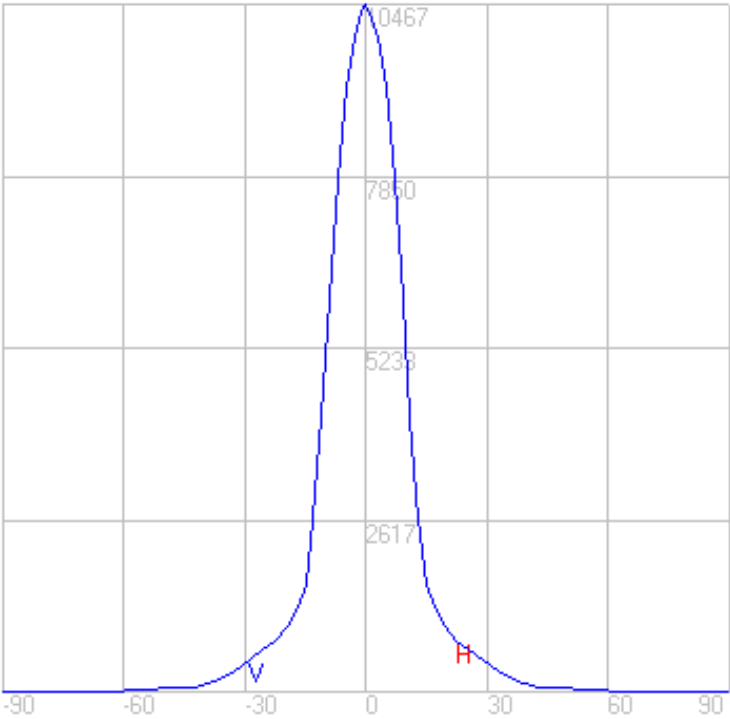
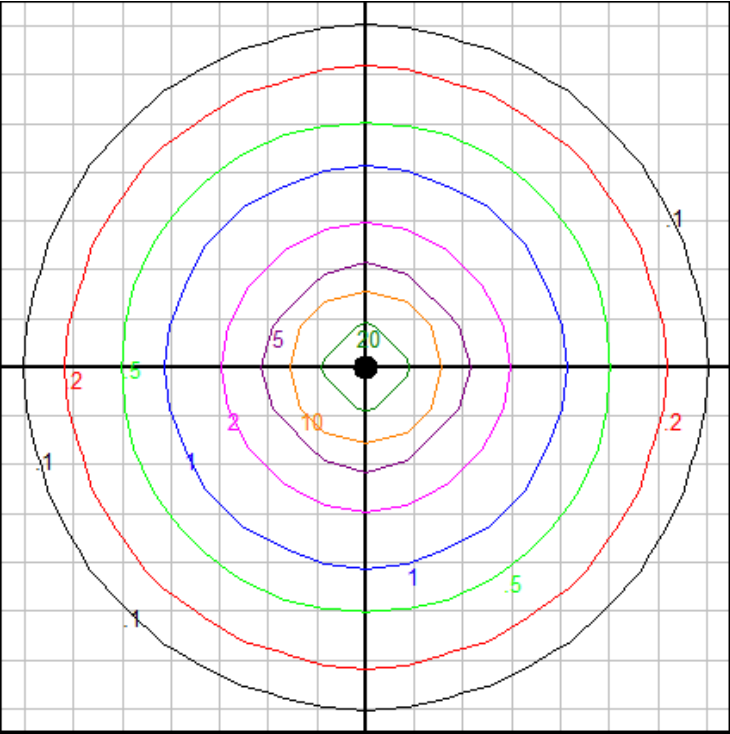


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10466.811
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.0
Vertical Field Angle (10%)	38.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	671
Beam Efficiency	N.A.
Field Lumens	1267
Field Efficiency	N.A.
Spill Lumens	552
Luminaire Lumens	1819
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	744.59
10-20	561.92
20-30	301.94
30-40	145.98
40-50	49.91
50-60	17.16
60-70	0.77
70-80	0.66
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.

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

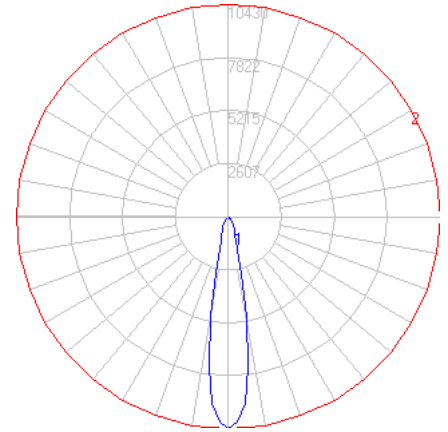
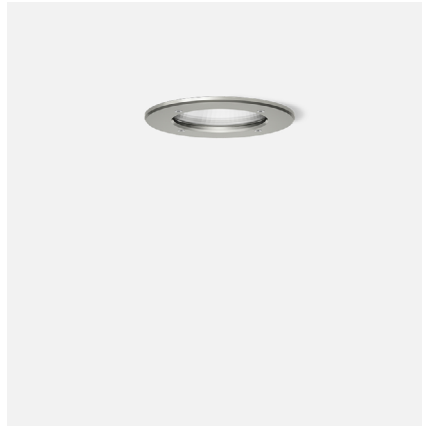
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File: 24277K35_BEGA_IES.ies

TEST: BE_24277K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 277K35
LAMP: 16.8W LED

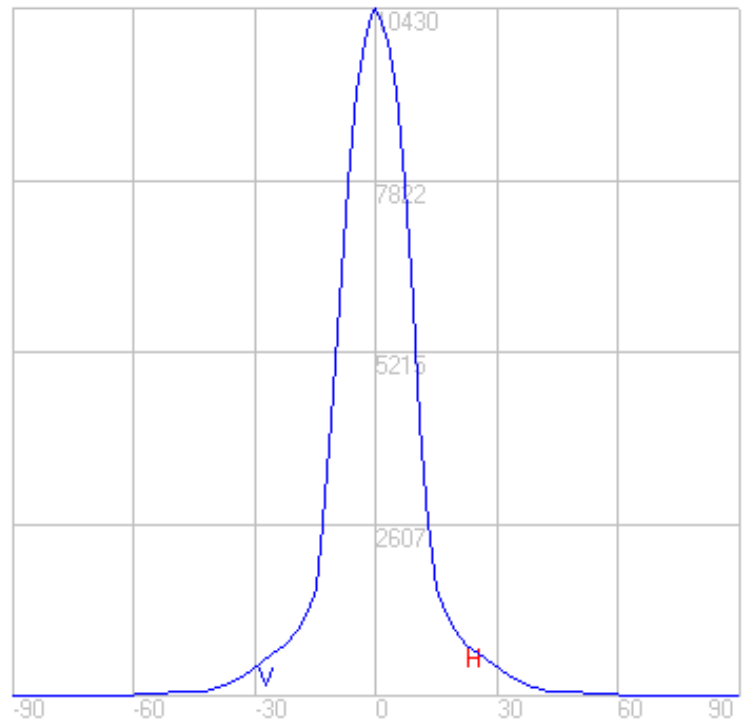
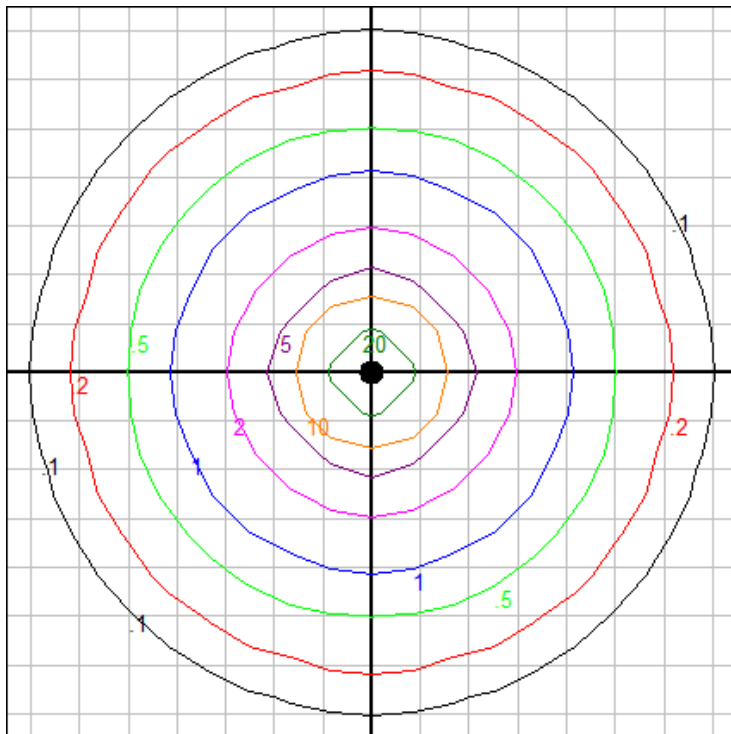


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10429.827
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.0
Vertical Field Angle (10%)	38.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	669
Beam Efficiency	N.A.
Field Lumens	1263
Field Efficiency	N.A.
Spill Lumens	550
Luminaire Lumens	1812
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	741.96
10-20	559.93
20-30	300.87
30-40	145.47
40-50	49.74
50-60	17.10
60-70	0.77
70-80	0.66
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.

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

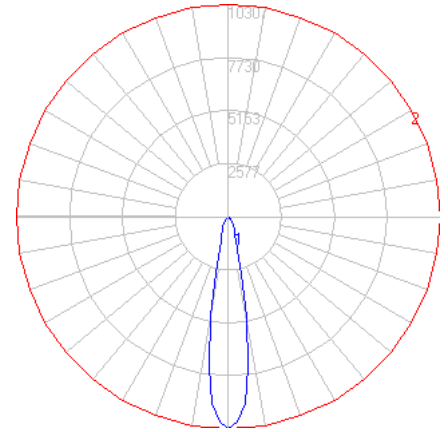
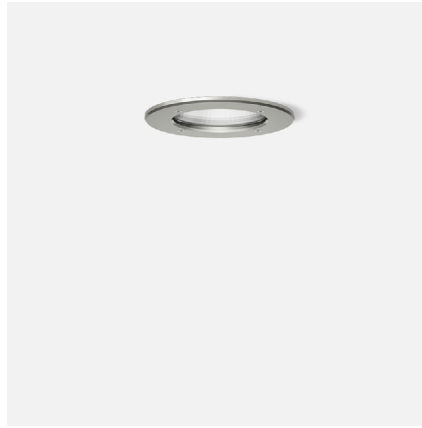
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File: 24277K3_BEGA_IES.ies

TEST: BE_24277K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 277K3
LAMP: 16.8W LED

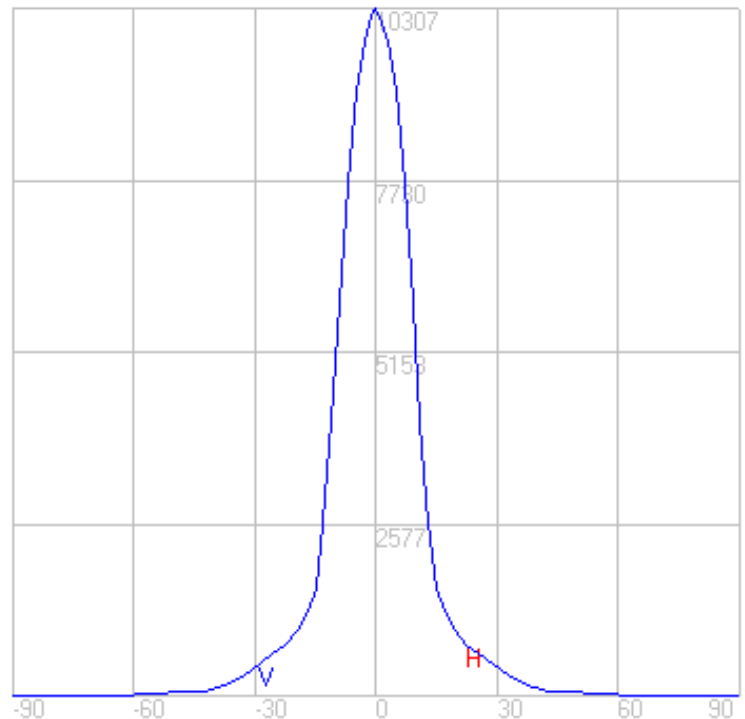
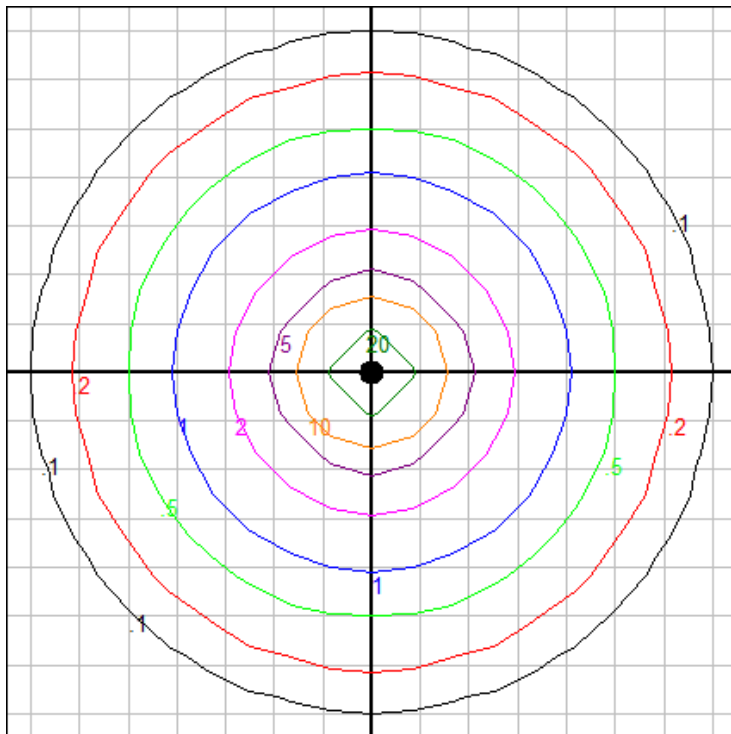


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10306.543
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.0
Vertical Field Angle (10%)	38.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	661
Beam Efficiency	N.A.
Field Lumens	1248
Field Efficiency	N.A.
Spill Lumens	543
Luminaire Lumens	1791
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	733.19
10-20	553.32
20-30	297.32
30-40	143.75
40-50	49.15
50-60	16.90
60-70	0.76
70-80	0.65
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.

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

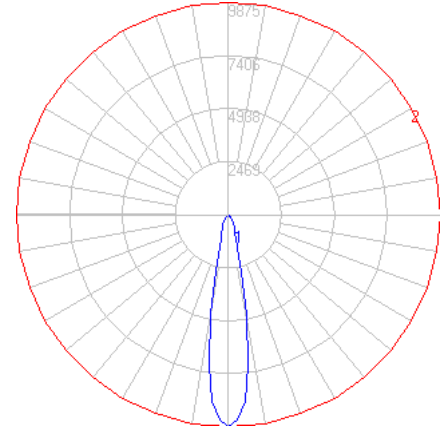
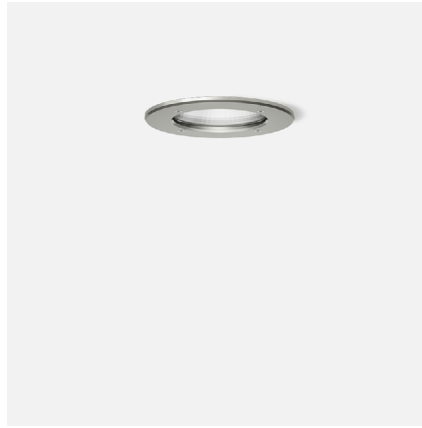
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BEGA

File: 24277K27_BEGA_IES.ies

TEST: BE_24277K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 277K27
LAMP: 16.8W LED

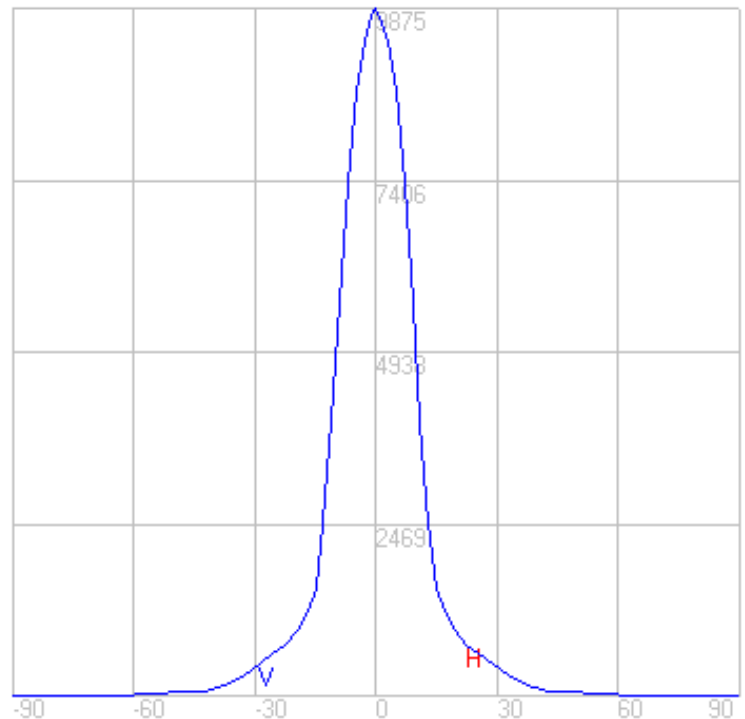
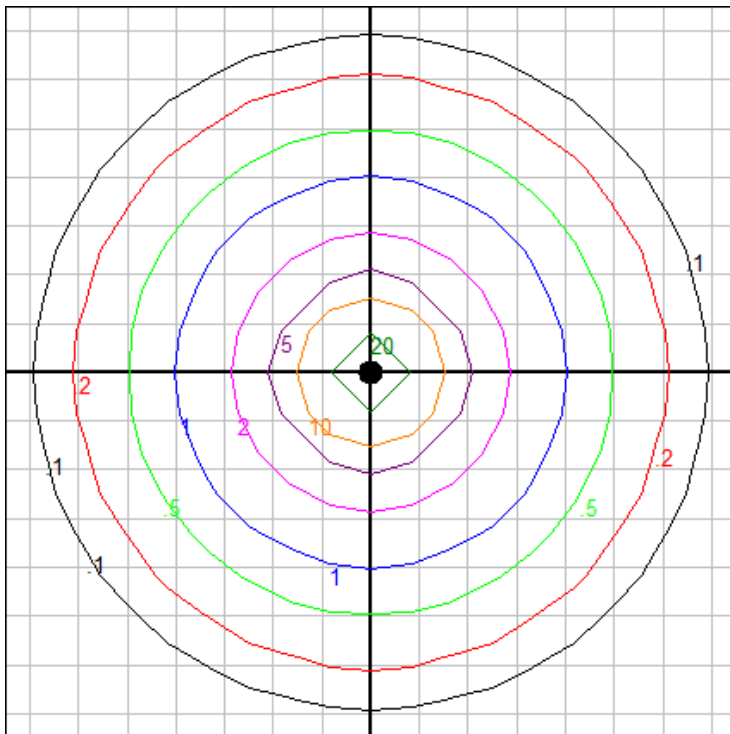


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	9875.048
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.0
Vertical Field Angle (10%)	38.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	633
Beam Efficiency	N.A.
Field Lumens	1195
Field Efficiency	N.A.
Spill Lumens	521
Luminaire Lumens	1716
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	702.49
10-20	530.15
20-30	284.87
30-40	137.73
40-50	47.09
50-60	16.19
60-70	0.73
70-80	0.63
80-90	0.29
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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