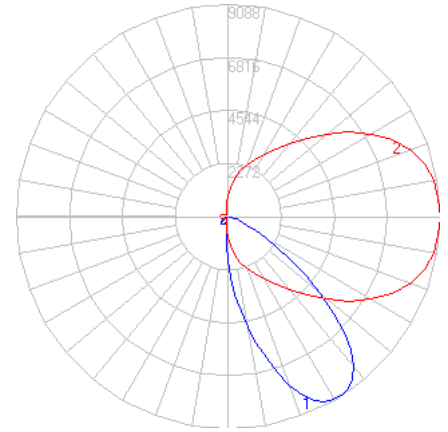
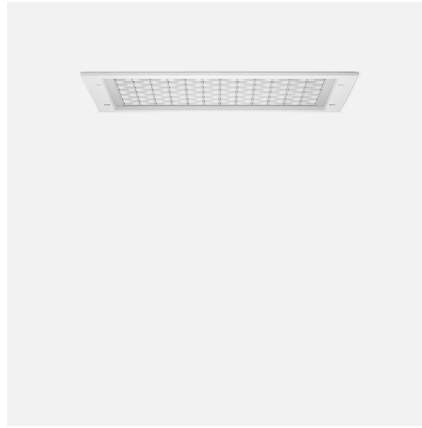


BEGA

File: 24147K4_BEGA_IES.ies

TEST: BE_24147K4
TEST LAB: BEGA
DATE: 9/23/2019
LUMINAIRE: 24 147K4
LAMP: 56W LED

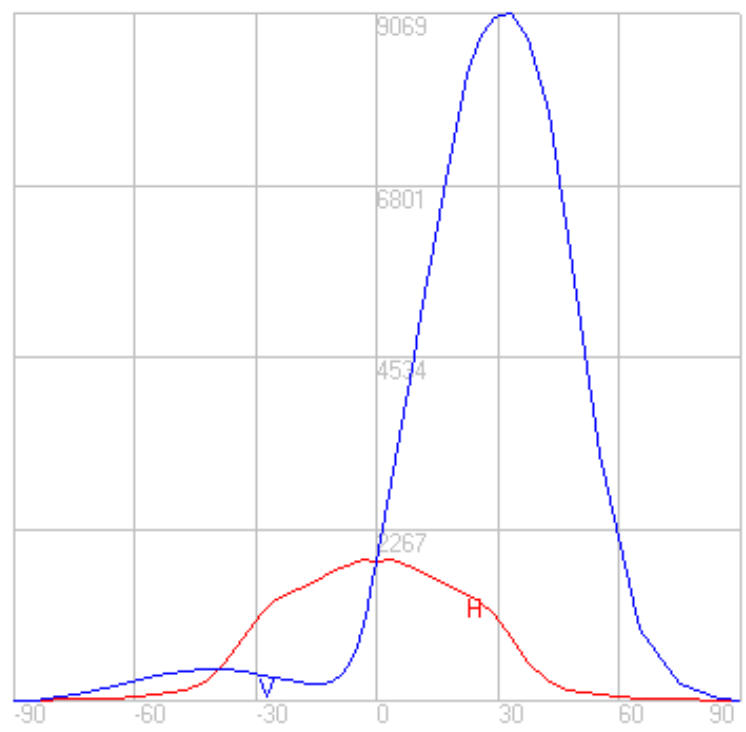
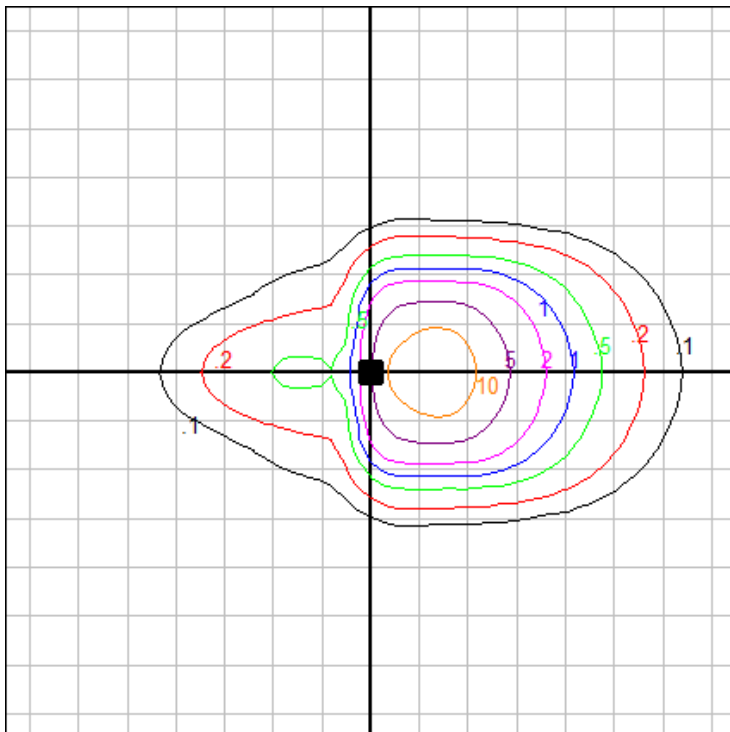


Characteristics

NEMA Type	5 H x 4 V
Maximum Candela	9068.5
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	48.2
Vertical Beam Angle (50%)	42.6
Horizontal Field Angle (10%)	71.0
Vertical Field Angle (10%)	69.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3193
Beam Efficiency	N.A.
Field Lumens	5151
Field Efficiency	N.A.
Spill Lumens	632
Luminaire Lumens	5783
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	190.04
10-20	675.18
20-30	1267.96
30-40	1566.05
40-50	1214.68
50-60	573.27
60-70	192.76
70-80	58.22
80-90	9.25
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: 7.5 ft.

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

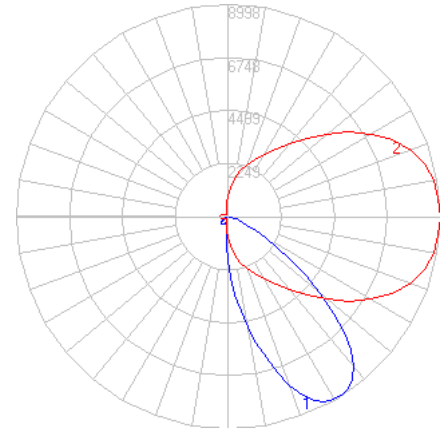
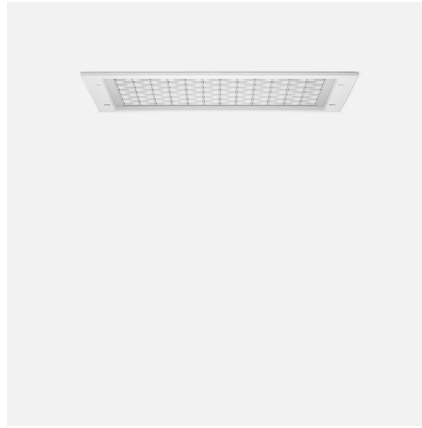
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BEGA

File: 24147K35_BEGA_IES.ies

TEST: BE_24147K4
TEST LAB: BEGA
DATE: 9/23/2019
LUMINAIRE: 24 147K35
LAMP: 56W LED

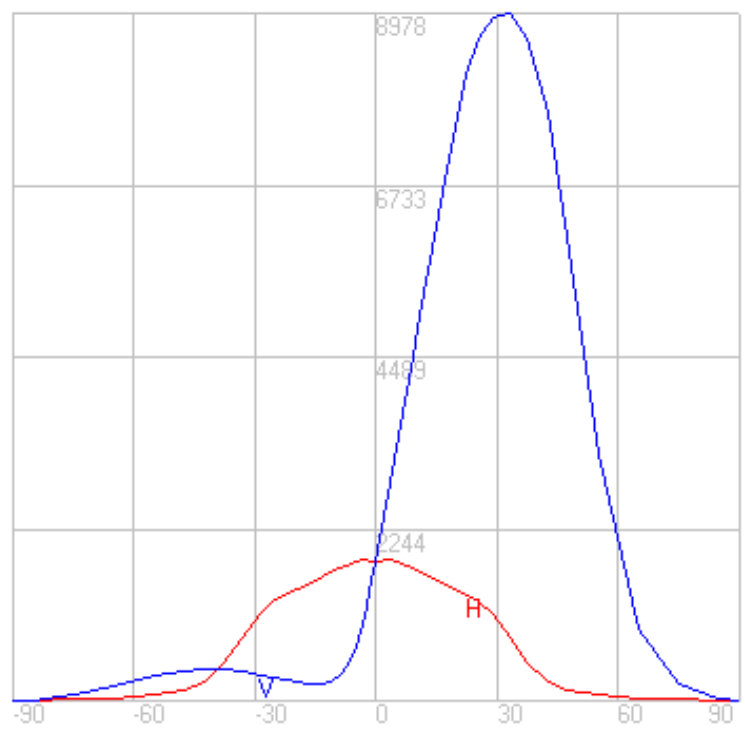
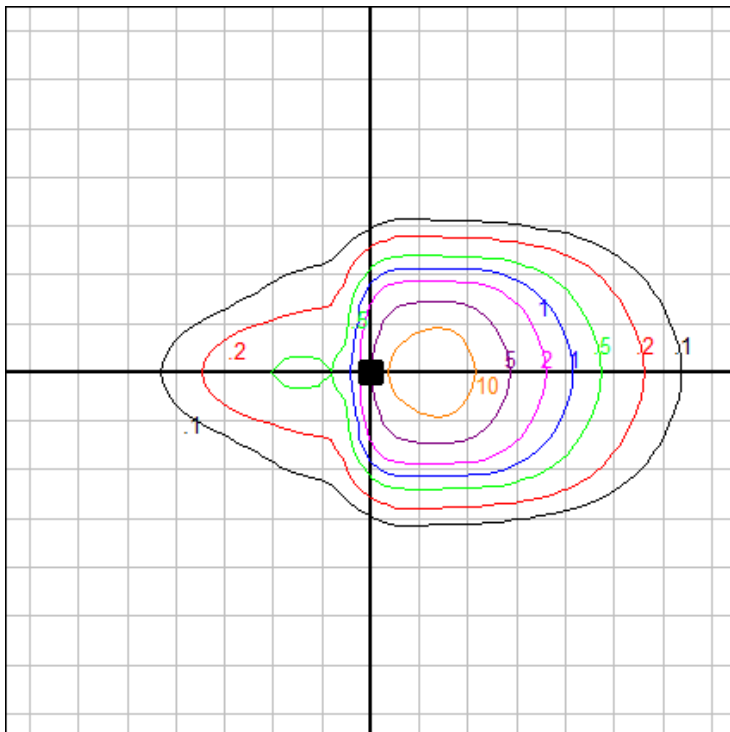


Characteristics

NEMA Type	5 H x 4 V
Maximum Candela	8977.835
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	48.2
Vertical Beam Angle (50%)	42.6
Horizontal Field Angle (10%)	71.0
Vertical Field Angle (10%)	69.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3161
Beam Efficiency	N.A.
Field Lumens	5099
Field Efficiency	N.A.
Spill Lumens	626
Luminaire Lumens	5725
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	188.14
10-20	668.43
20-30	1255.28
30-40	1550.39
40-50	1202.53
50-60	567.53
60-70	190.84
70-80	57.64
80-90	9.16
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: 7.5 ft.

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

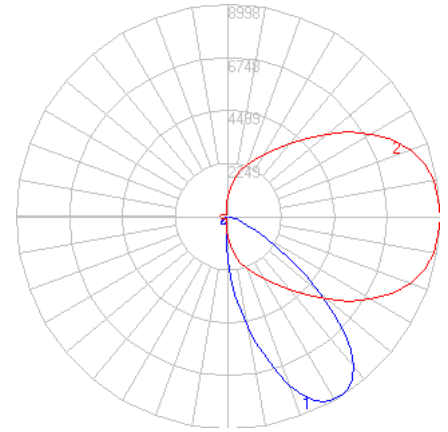
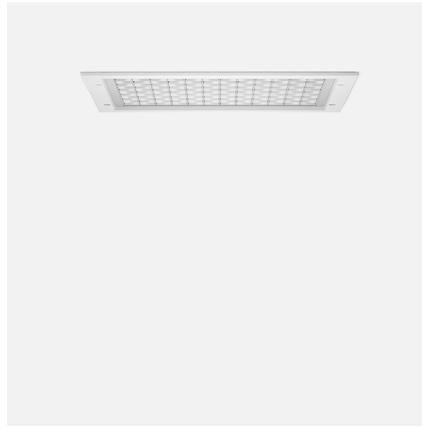
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BEGA

File: 24147K3_BEGA_IES.ies

TEST: BE_24147K4
TEST LAB: BEGA
DATE: 9/23/2019
LUMINAIRE: 24 147K3
LAMP: 56W LED

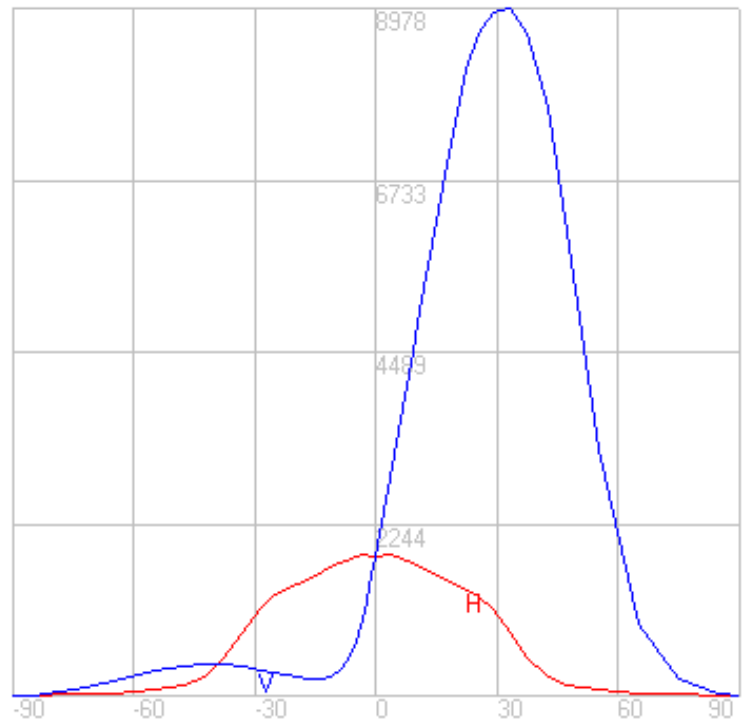
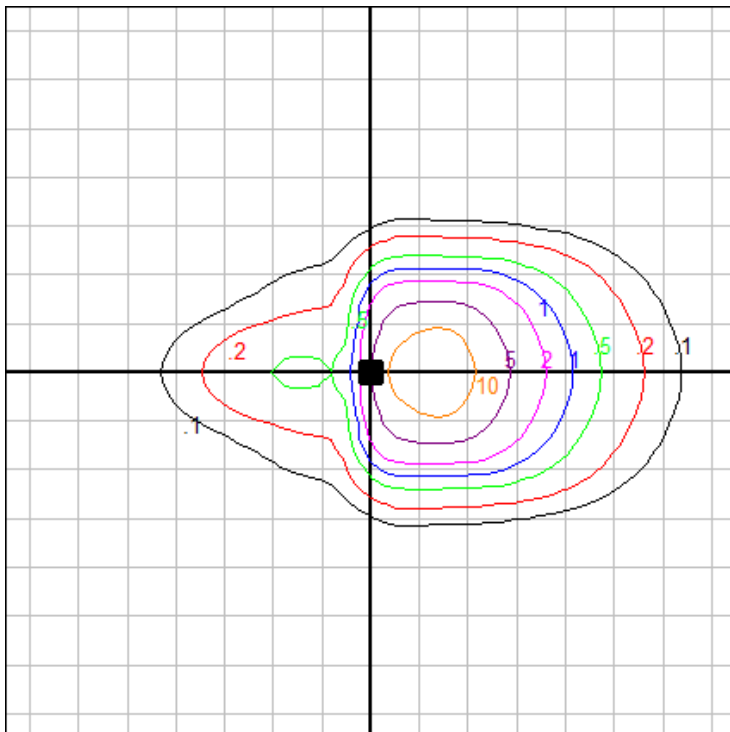


Characteristics

NEMA Type	5 H x 4 V
Maximum Candela	8977.835
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	48.2
Vertical Beam Angle (50%)	42.6
Horizontal Field Angle (10%)	71.0
Vertical Field Angle (10%)	69.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3161
Beam Efficiency	N.A.
Field Lumens	5099
Field Efficiency	N.A.
Spill Lumens	626
Luminaire Lumens	5725
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	188.14
10-20	668.43
20-30	1255.28
30-40	1550.39
40-50	1202.53
50-60	567.53
60-70	190.84
70-80	57.64
80-90	9.16
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: 7.5 ft.

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

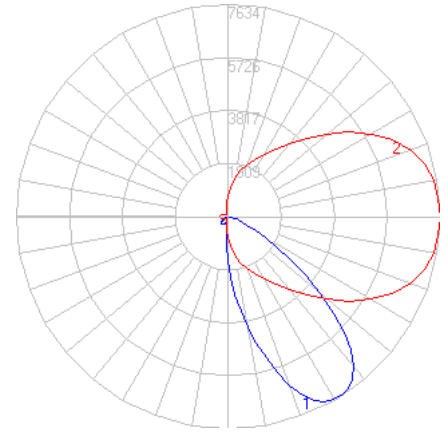
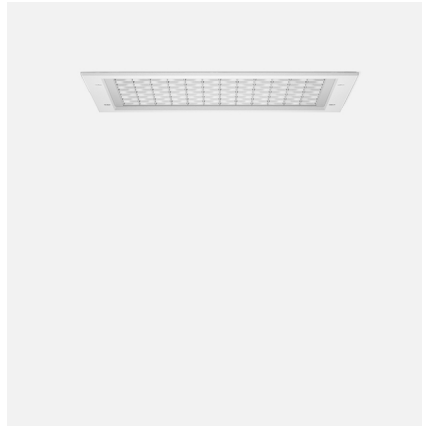
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BEGA

File: 24147K27_BEGA_IES.ies

TEST: BE_24147K4
TEST LAB: BEGA
DATE: 9/23/2019
LUMINAIRE: 24 147K27
LAMP: 56W LED

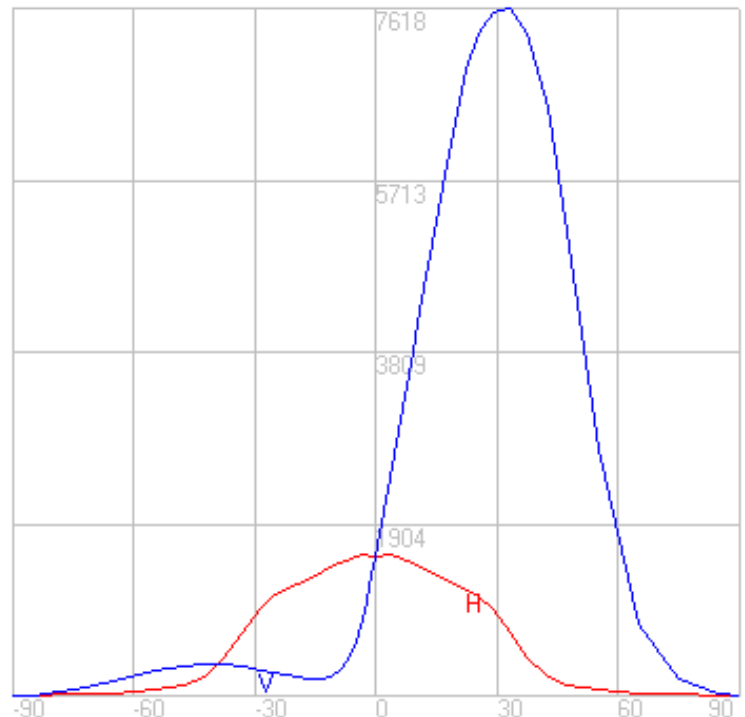
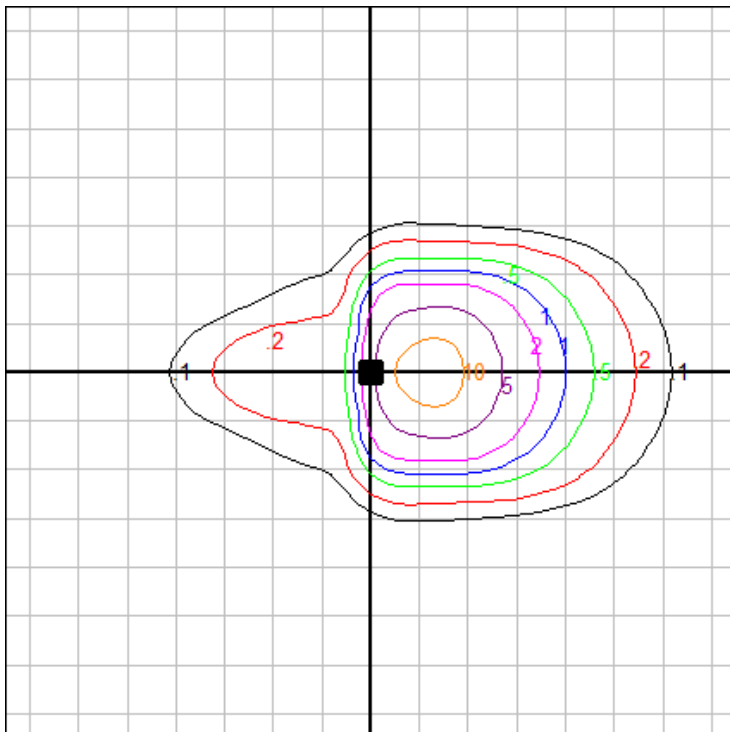


Characteristics

NEMA Type	5 H x 4 V
Maximum Candela	7617.557
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	48.2
Vertical Beam Angle (50%)	42.6
Horizontal Field Angle (10%)	71.0
Vertical Field Angle (10%)	69.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2682
Beam Efficiency	N.A.
Field Lumens	4327
Field Efficiency	N.A.
Spill Lumens	531
Luminaire Lumens	4858
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	159.64
10-20	567.15
20-30	1065.09
30-40	1315.48
40-50	1020.33
50-60	481.54
60-70	161.92
70-80	48.90
80-90	7.77
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: 7.5 ft.

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