

House of Worship

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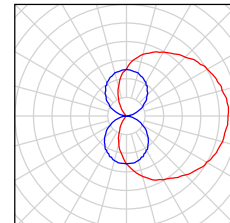
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Sanctuary / Luminaire parts list

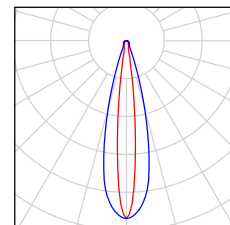
10 Pieces EXTRUDED ALUMINUM HOUSING, FORMED
ALUMINUM SPECULAR REFLECTOR,
TRANSLUCENT WHITE ACRYLIC LENSES
Article No.:
Luminous flux (Luminaire): 1317 lm
Luminous flux (Lamps): 2850 lm
Luminaire Wattage: 36.0 W
Luminaire classification according to CIE: 50
CIE flux code: 30 55 78 50 46
Fitting: 1 x ONE F39 RATED AT 2850 LUMENS
(Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



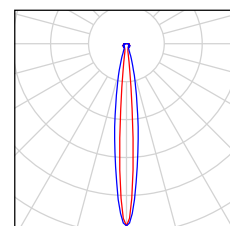
2 Pieces GE Q500PAR56MFL
Article No.:
Luminous flux (Luminaire): 84084 lm
Luminous flux (Lamps): 9170 lm
Luminaire Wattage: 500.0 W
Luminaire classification according to CIE: 100
CIE flux code: 78 91 98 100 105
Fitting: 1 x Q500PAR56MFL (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.



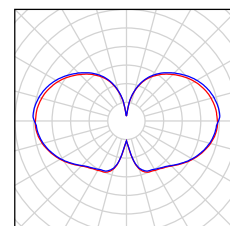
10 Pieces GE Q500PAR56NSP
Article No.:
Luminous flux (Luminaire): 16534 lm
Luminous flux (Lamps): 1000 lm
Luminaire Wattage: 500.0 W
Luminaire classification according to CIE: 100
CIE flux code: 57 75 89 100 1757
Fitting: 1 x Q500PAR56NSP (Correction Factor
1.000).

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catalog for an image of
the luminaire.



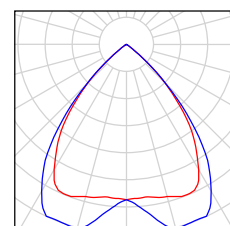
18 Pieces Generic Transl. Wht. Acrylic (4) 40W CFL
TRANSLUCENT WHITE ACRYLIC ENCLOSURE
Article No.: (4) 40W CFL
Luminous flux (Luminaire): 6345 lm
Luminous flux (Lamps): 12600 lm
Luminaire Wattage: 165.0 W
Luminaire classification according to CIE: 50
CIE flux code: 18 41 69 50 50
Fitting: 4 x FOUR VBU 40 WATT T5 TWIN TUBE
FLUORESCENT LAMPS RATED AT 3150
LUMENS EACH. (Correction Factor 1.500, (6)
42W CFL).

See our luminaire
catalog for an image of
the luminaire.



8 Pieces LIGHTOLIER 8038TBW CALCULITE 8"
APERTURE RECESSED DOWNLIGHT
SPECULAR TURBO LOUVER
Article No.: 8038TBW
Luminous flux (Luminaire): 3305 lm
Luminous flux (Lamps): 6400 lm
Luminaire Wattage: 91.0 W
Luminaire classification according to CIE: 100
CIE flux code: 86 100 100 100 52
Fitting: 2 x 2-42W TRIPLE TUBE LAMPS, 4 PIN
(Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



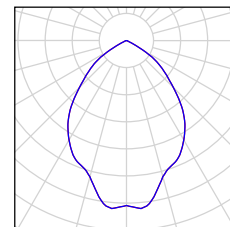
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Sanctuary / Luminaire parts list

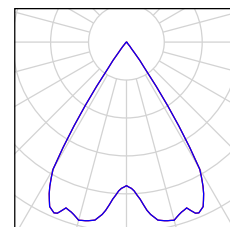
324 Pieces Lithonia Lighting 607A (42TRT) 6" OPEN
DOWNLIGHT WITH DIFFUSE REFLECTOR
Article No.: 607A (42TRT)
Luminous flux (Luminaire): 1580 lm
Luminous flux (Lamps): 3200 lm
Luminaire Wattage: 48.0 W
Luminaire classification according to CIE: 100
CIE flux code: 70 99 100 100 49
Fitting: 1 x ONE 42-WATT TRIPLE TUBE
COMPACT FLUORESCENT, VERTICAL BASE
UP POSITION. (Correction Factor 0.850,
Reflector not Optimized).

See our luminaire
catalog for an image of
the luminaire.



8 Pieces RAMBUSCH LIGHTING RD-60-250-Q-MCN
RECESSED DOWNLIGHT, SPECULAR ALZAK
REFLECTOR, DIE DRAWN STEEL HOUSING,
GALVANIZED STEEL SPLICE BOX. BAKED
FINISH, MOVEABLE ROLLED PYREX LENS
ALLOWS LAMP ACCESS FROM BELOW
TEMPERED STEEL SECURITY DEVICES
PROVIDE EASY MAINTENANCE AND
RELAMPING ABOVE OR BELOW.
Article No.: RD-60-250-Q-MCN
Luminous flux (Luminaire): 3376 lm
Luminous flux (Lamps): 4800 lm
Luminaire Wattage: 250.0 W
Luminaire classification according to CIE: 100
CIE flux code: 100 100 100 100 68
Fitting: 1 x USHIO AMERICA 250W/T4,
FROSTED MINI-CAN SCREW BASE, USHIO
CAT #1000360. 4800 LUMENS. (Correction
Factor 1.000).

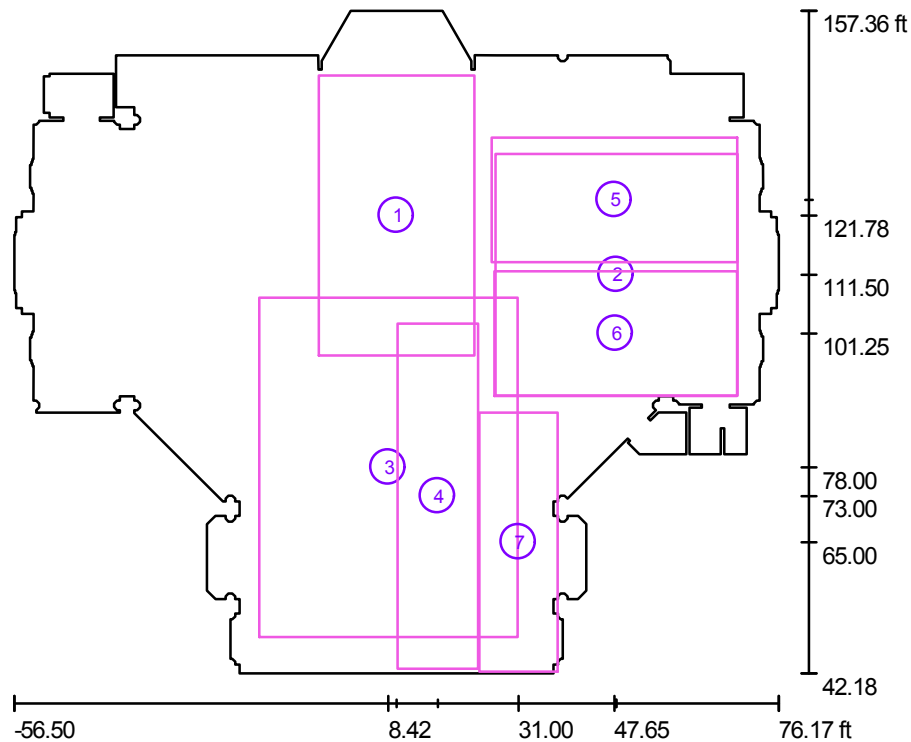
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Sanctuary / Calculation surfaces (results overview)



Scale 1 : 400

Calculation Surface List

No.	Designation	Type	Grid	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	$u0$	E_{min} / E_{max}
1	Altar Work Plane	perpendicular	128 x 128	65	30	201	0.456	0.147
2	Transept at Pew Tops	perpendicular	128 x 128	42	26	59	0.614	0.439
3	Nave at Pew Tops	perpendicular	64 x 64	45	23	59	0.520	0.394
4	East Nave Upper Ceiling	perpendicular	8 x 16	30	25	34	0.839	0.734
5	North Transept Ceiling	perpendicular	128 x 128	31	16	57	0.517	0.281
6	South Transept Ceiling	perpendicular	128 x 128	31	15	51	0.499	0.299
7	East Nave Lower Ceiling	perpendicular	16 x 32	21	10	43	0.496	0.242

Summary of Results

Type	Quantity	Average [fc]	Min [fc]	Max [fc]	$u0$	E_{min} / E_{max}
perpendicular	7	41	10	201	0.26	0.05

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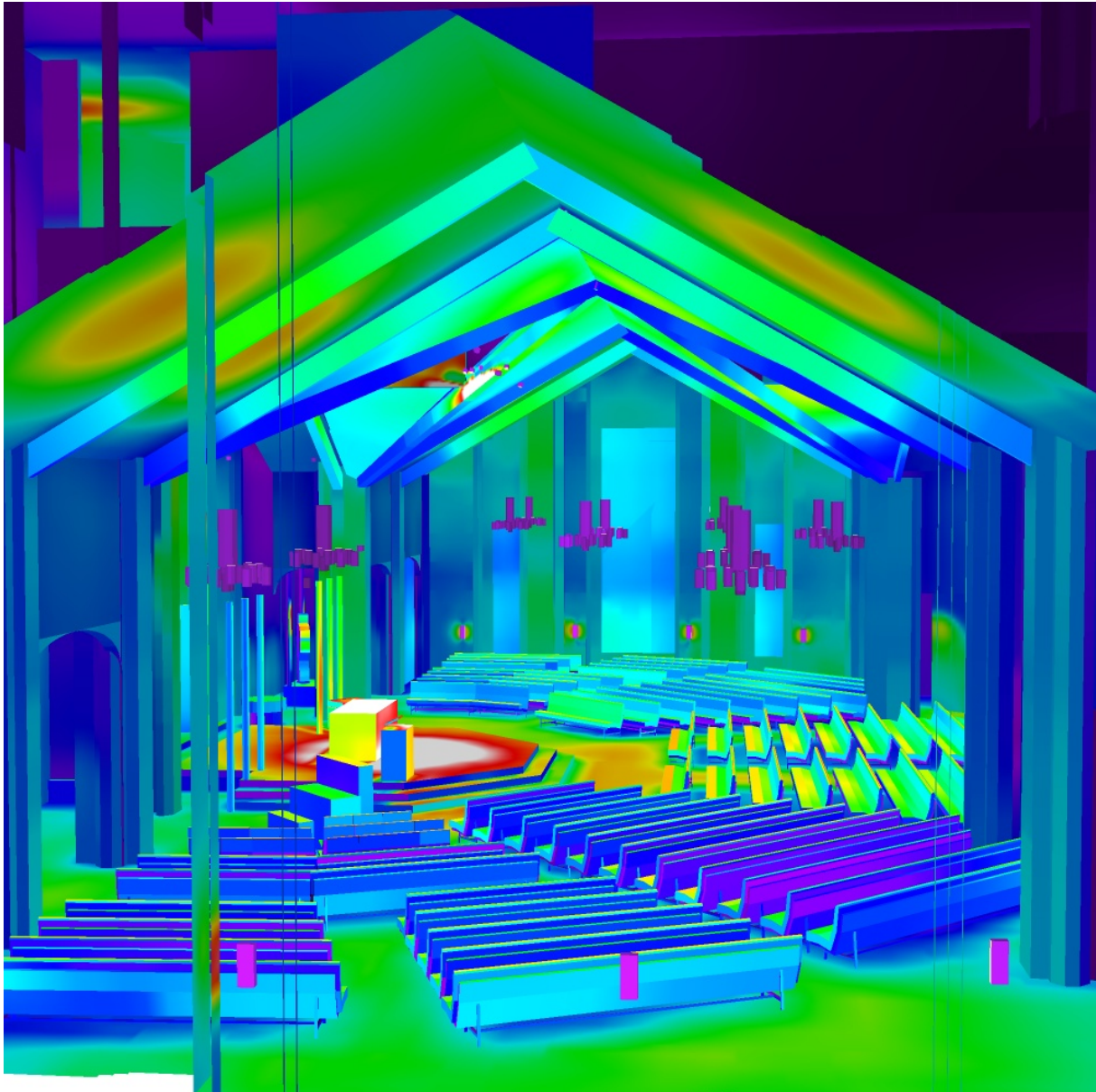
Sanctuary / 3D Rendering



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Sanctuary / False Color Rendering

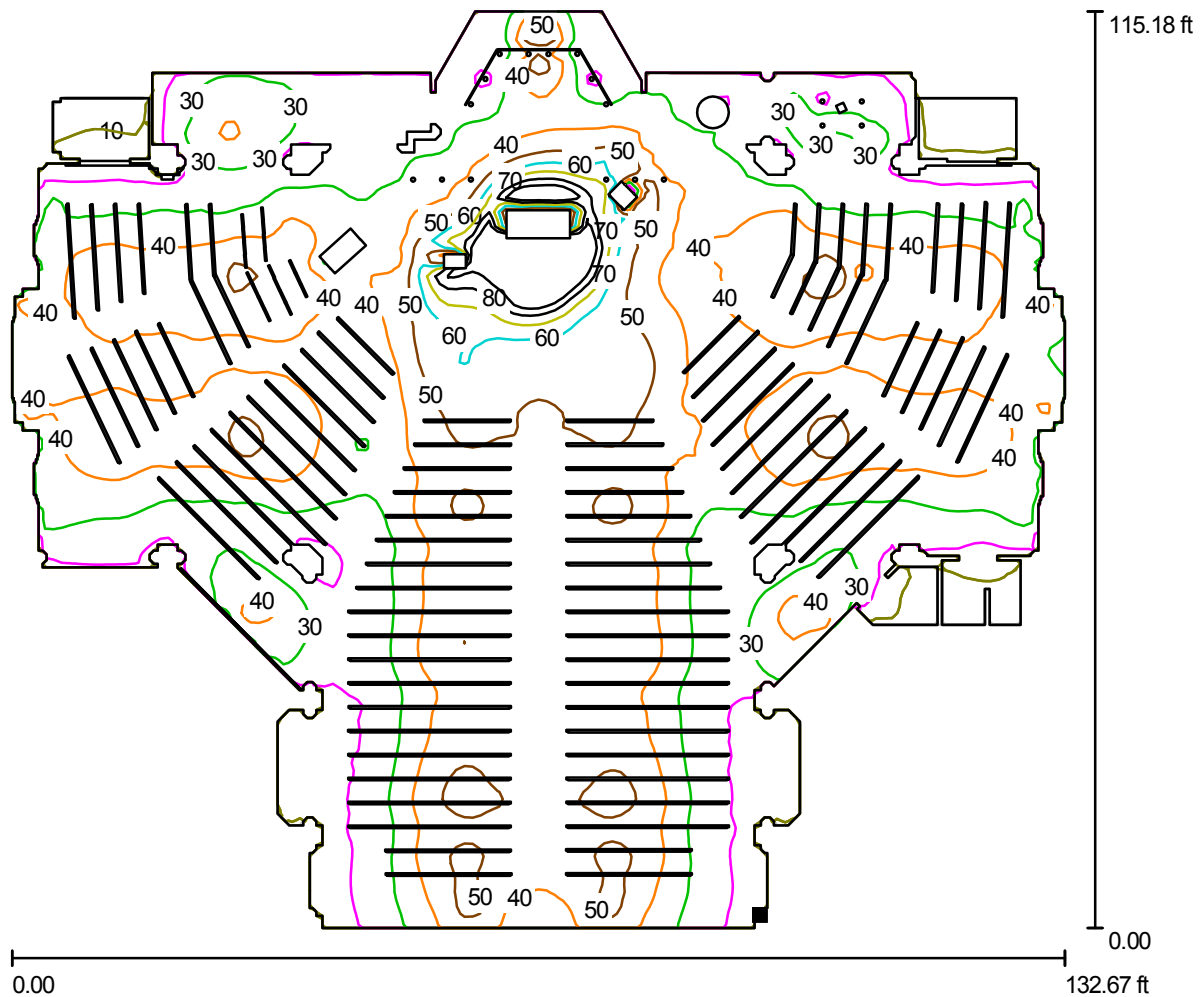


0 5.00 10.00 20.00 30.00 40.00 50.00 75.00 100.00 fc

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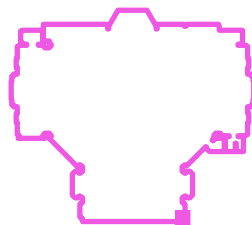
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Sanctuary / Workplane / Isolines (E)



Values in Footcandles, Scale 1 : 290

Position of surface in room:
Marked point:
(37.837 ft, 43.707 ft, 2.500 ft)



Grid: 128 x 128 Points

E_{av} [fc]
38

E_{min} [fc]
2.93

E_{max} [fc]
175

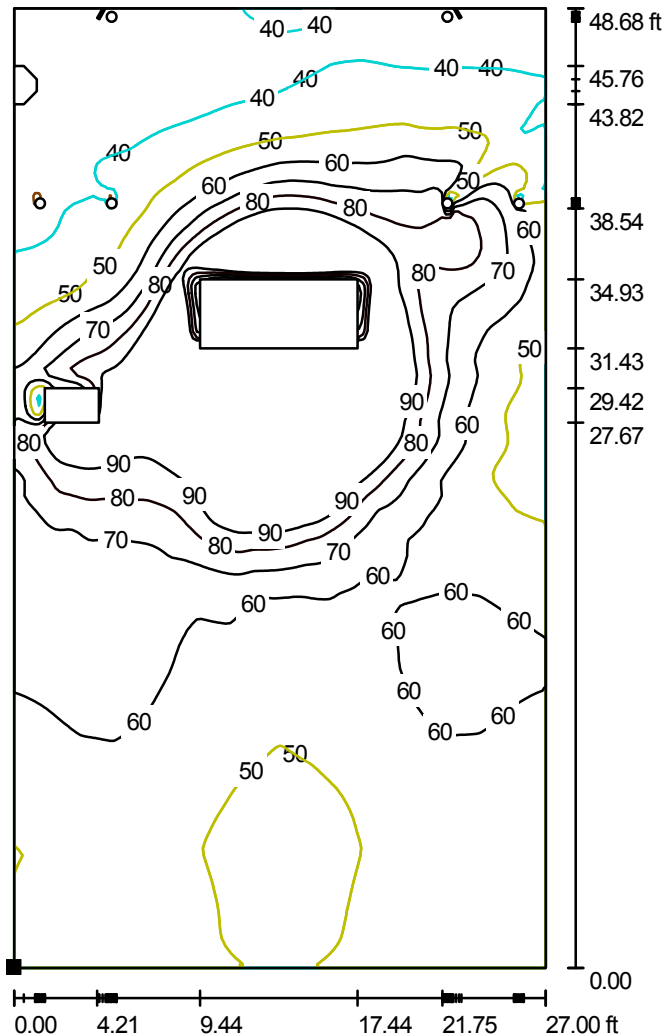
u_0
0.077

E_{min} / E_{max}
0.017

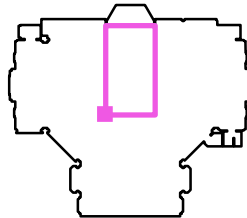
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Sanctuary / Altar Work Plane / Isolines (E, Perpendicular)



Position of surface in room:
Marked point:
(-3.644 ft, 97.440 ft, 4.000 ft)



Values in Footcandles, Scale 1 : 117

Grid: 128 x 128 Points

E_{av} [fc]
65

E_{min} [fc]
30

E_{max} [fc]
201

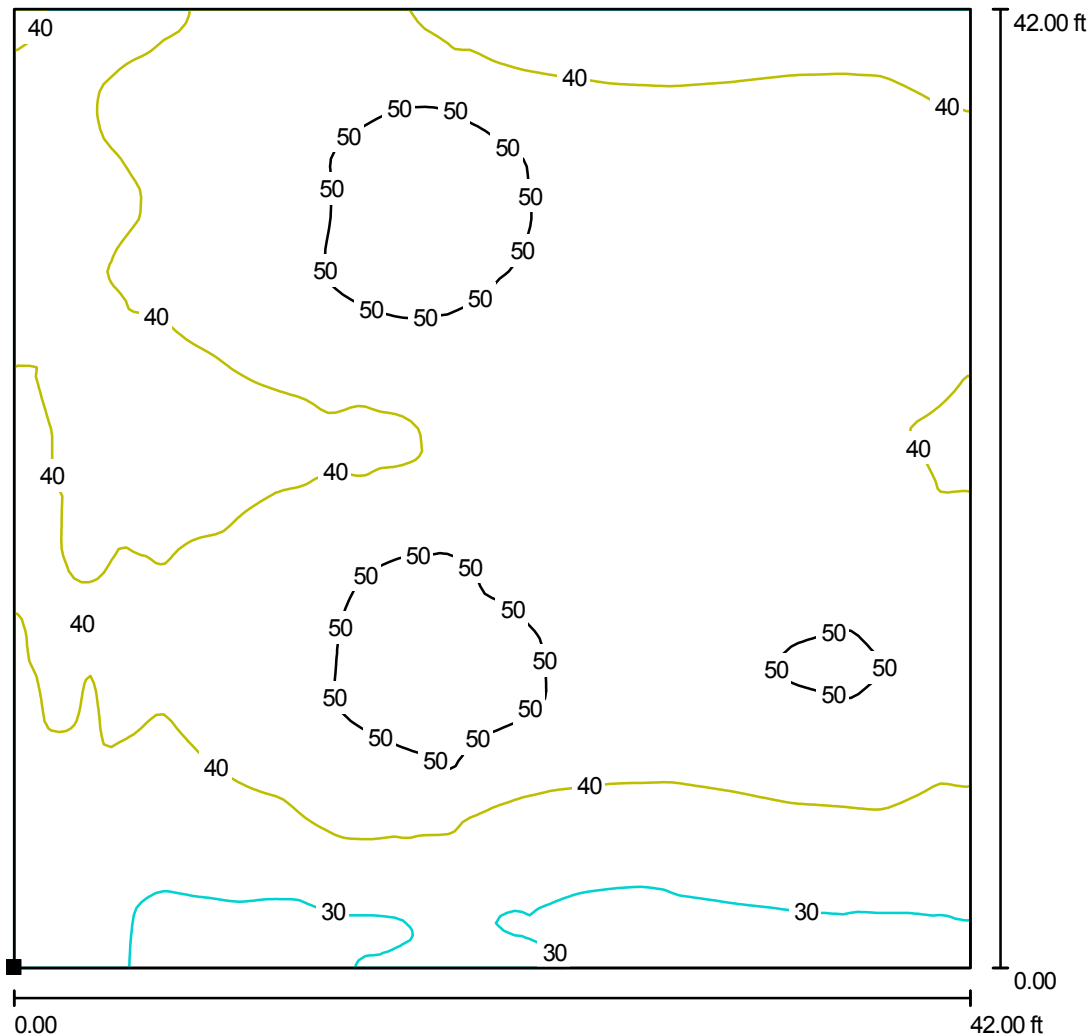
u_0
0.456

E_{min} / E_{max}
0.147

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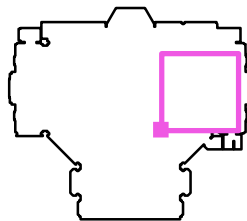
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Sanctuary / Transept at Pew Tops / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 101

Position of surface in room:
Marked point:
(27.000 ft, 90.500 ft, 3.000 ft)



Grid: 128 x 128 Points

E_{av} [fc]
42

E_{min} [fc]
26

E_{max} [fc]
59

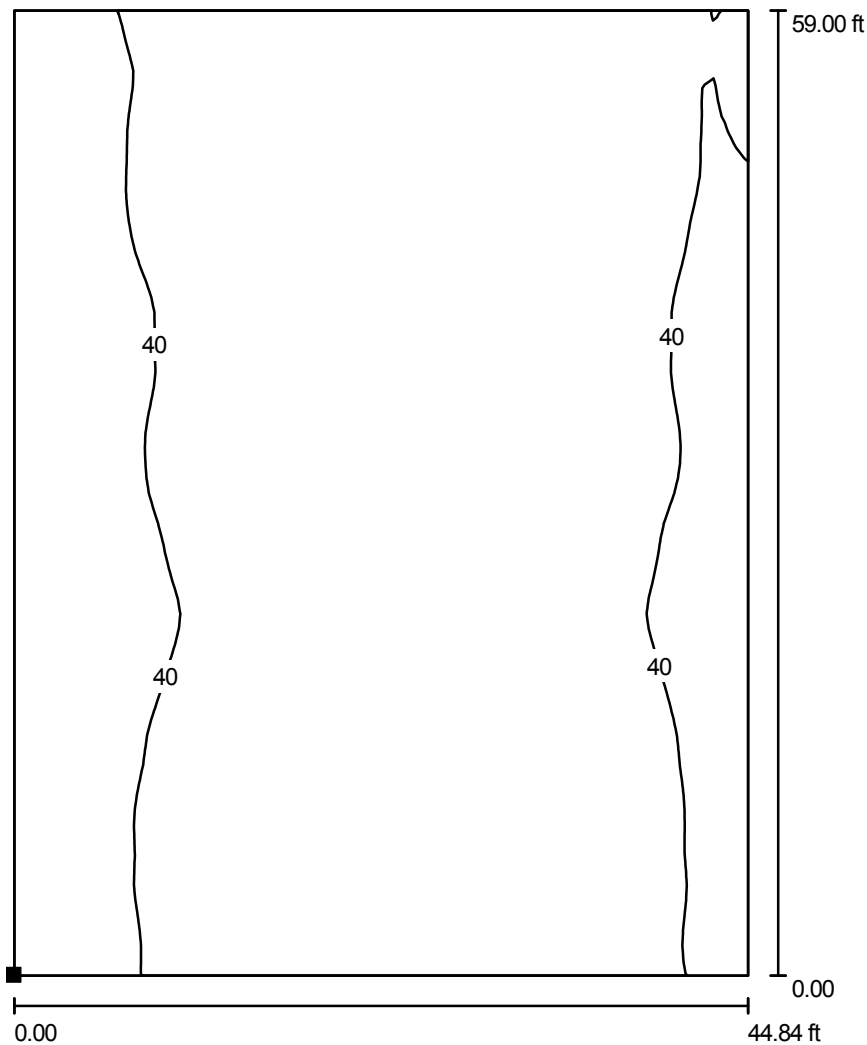
u_0
0.614

E_{min} / E_{max}
0.439

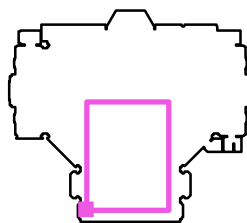
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Sanctuary / Nave at Pew Tops / Isolines (E, Perpendicular)



Position of surface in room:
Marked point:
(-14.000 ft, 48.500 ft, 3.000 ft)



Values in Footcandles, Scale 1 : 141

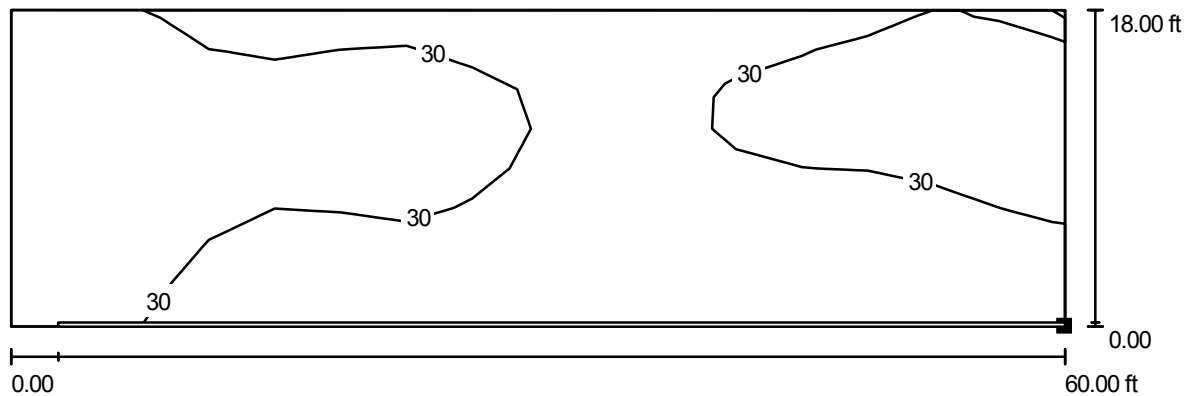
Grid: 64 x 64 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	$u0$	E_{min} / E_{max}
45	23	59	0.520	0.394

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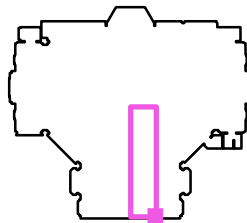
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Sanctuary / East Nave Upper Ceiling / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 131

Position of surface in room:
Marked point:
(23.994 ft, 43.000 ft, 38.586 ft)



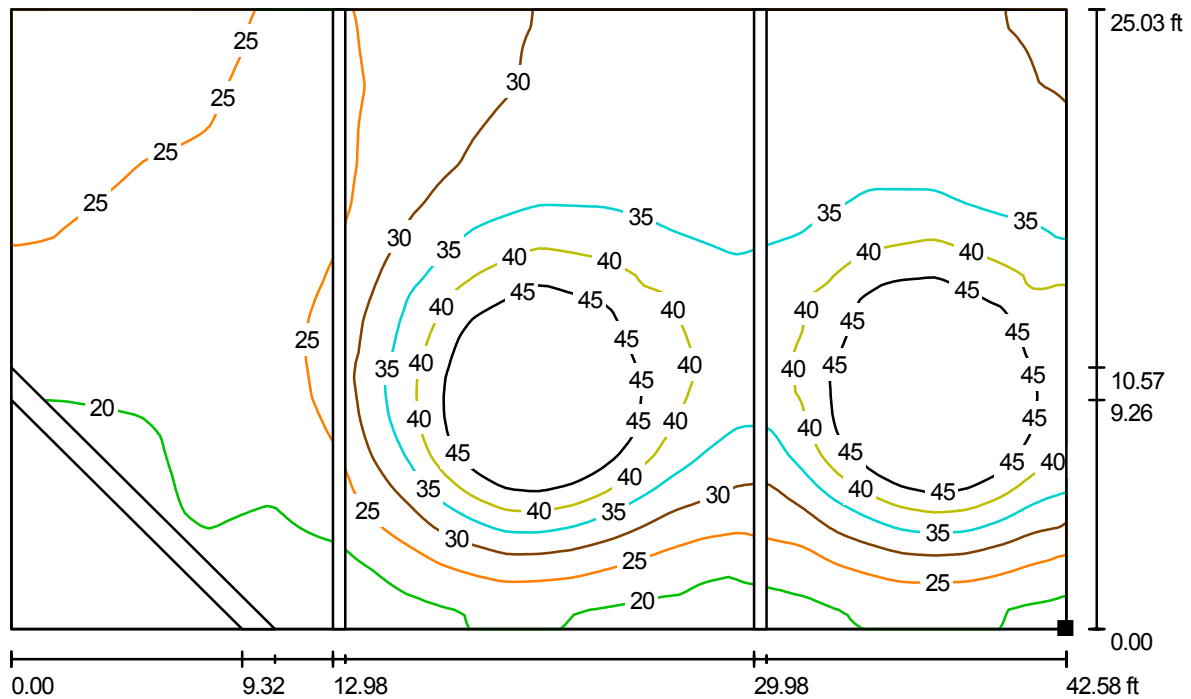
Grid: 8 x 16 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u_0	E_{min} / E_{max}
30	25	34	0.839	0.734

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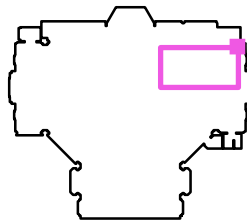
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Sanctuary / North Transept Ceiling / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 93

Position of surface in room:
Marked point:
(68.946 ft, 135.340 ft, 23.242 ft)



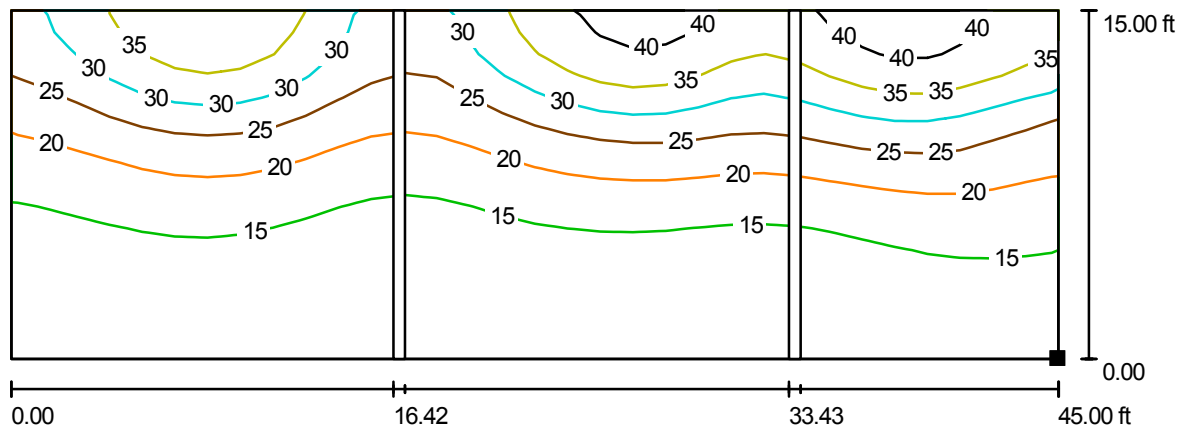
Grid: 128 x 128 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u_0	E_{min} / E_{max}
31	16	57	0.517	0.281

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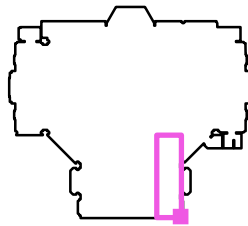
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Sanctuary / East Nave Lower Ceiling / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 99

Position of surface in room:
Marked point:
(37.797 ft, 42.500 ft, 23.080 ft)



Grid: 16 x 32 Points

E_{av} [fc]
21

E_{min} [fc]
10

E_{max} [fc]
43

u_0
0.496

E_{min} / E_{max}
0.242