

Photometrics Pro

Luminaire Photometric Report

Filename: Double-HTS-9AR-Gagrag-12x12

Manufacturer: BARE DEVELOPMENT

Luminaire: 2-HTS-9AR RECTANGLE BOARDS IN A 12X12 INCH SQUARE FIXTURE CEILING MOUNTED WITH CLEAR PRISMATIC LENS.

Luminaire Cat: 12x12 INCH METAL FIXTURE (CEILING)

Lamp: TWO BOARDS WITH TWELVE WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL

Lamp Cat: DOUBLE HTS-9AR

Lamp Output: 2 lamp(s), rated Lumens/lamp: 2165

Max Candela: 730.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 61

Luminous Opening: Rectangle w/Luminous Sides (L: 0.9ft, W: 0.9ft, H: 0.42ft)

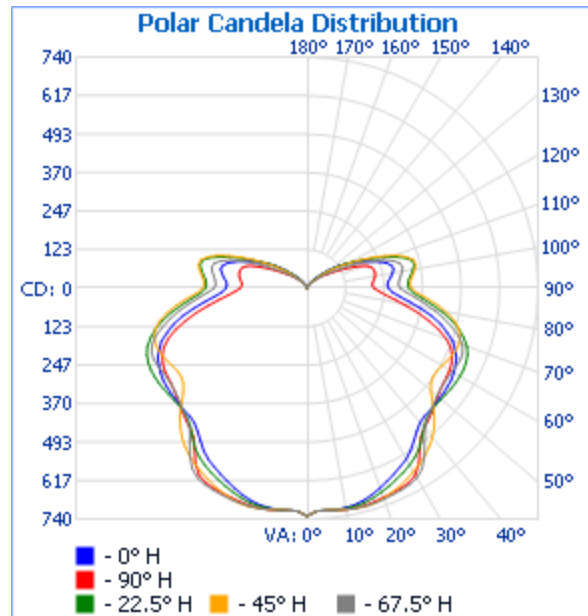
Test: SCALED ITL91209

Test Date: 7/21/2010

Photometry : Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

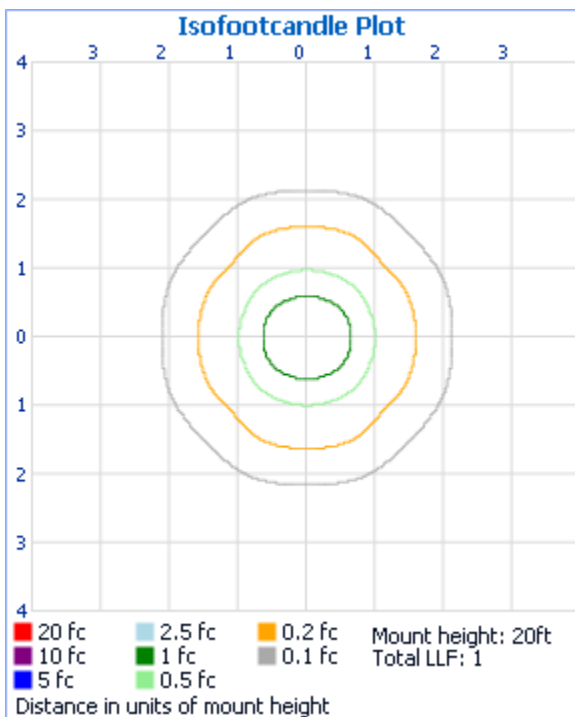


Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	590.8	13.6%	13.7%
0-40	988.9	22.8%	22.8%
0-60	1,904.3	44%	44%
60-90	1,408.8	32.5%	32.6%
0-90	3,313.1	76.5%	76.6%
90-180	1,014.6	23.4%	23.4%
0-180	4,327.7	99.9%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	68.4	1.6%	90-100	328.6	7.6%
10-20	202.6	4.7%	100-110	324.1	7.5%
20-30	319.8	7.4%	110-120	208.9	4.8%
30-40	398.1	9.2%	120-130	98.2	2.3%
40-50	436.4	10.1%	130-140	39.2	0.9%
50-60	479.1	11.1%	140-150	13.1	0.3%
60-70	526.9	12.2%	150-160	2.3	0.1%
70-80	500.4	11.6%	160-170	0.1	0%
80-90	381.4	8.8%	170-180	0.0	0%



Illuminance at a Distance

	Center Beam FC	Beam Width
3.3ft	65.70 fc	38.8ft 29.9ft
6.7ft	16.43 fc	77.6ft 59.8ft
10.0ft	7.30 fc	116.5ft 89.8ft
13.3ft	4.11 fc	155.3ft 119.7ft
16.7ft	2.63 fc	194.1ft 149.6ft
20.0ft	1.83 fc	232.9ft 179.5ft

Vert. Spread: 160.5° Horiz. Spread: 154.9°

Coefficients Of Utilization - Zonal Cavity Method

RCC %:

80

70

50

30

10

0

Effective Floor Cavity Reflectance: 20%

RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.13	1.13	1.13	1.13	1.08	1.08	1.08	.77	.98	.98	.98	.89	.89	.89	.80	.80	.80	.77
1	.99	.93	.87	.82	.94	.88	.83	.56	.79	.75	.72	.72	.68	.65	.64	.62	.59	.55
2	.89	.78	.70	.63	.83	.75	.67	.44	.67	.61	.56	.60	.55	.51	.54	.50	.46	.43
3	.80	.68	.58	.51	.75	.64	.56	.36	.58	.51	.45	.52	.46	.41	.46	.42	.37	.34
4	.72	.59	.49	.42	.68	.56	.47	.30	.51	.43	.37	.45	.39	.34	.41	.35	.31	.28
5	.66	.52	.42	.35	.62	.50	.41	.25	.45	.37	.31	.40	.34	.29	.36	.31	.26	.24
6	.61	.47	.37	.30	.57	.44	.36	.22	.40	.33	.27	.36	.30	.25	.33	.27	.23	.20
7	.56	.42	.33	.26	.53	.40	.31	.19	.36	.29	.24	.33	.27	.22	.30	.24	.20	.18
8	.52	.38	.29	.23	.49	.36	.28	.17	.33	.26	.21	.30	.24	.19	.27	.22	.18	.16
9	.49	.35	.26	.21	.46	.33	.25	.15	.30	.23	.19	.28	.22	.17	.25	.20	.16	.14
10	.45	.32	.24	.18	.43	.31	.23	.14	.28	.21	.17	.25	.20	.16	.23	.18	.14	.12

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST]SCALED ITL91209
 [TESTLAB]
 [ISSUE DATE] 8/5/2010
 [TEST DATE] 7/21/2010
 [MANUFAC] BARE DEVELOPMENT
 [LUMCAT] 12x12 INCH METAL FIXTURE (CEILING)
 [LUMINAIRE] 2-HTS-9AR RECTANGLE BOARDS IN A 12X12 INCH SQUARE FIXTURE CEILING MOUNTED WITH CLEAR PRISMATIC LENS.
 [LAMP CAT] DOUBLE HTS-9AR
 [LAMP] TWO BOARDS WITH TWELVE WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
 [_LAMP WATTAGE] 2x 30.5 = 61W
 [_LAMP LUMENS] 4327
 [_LAMP OUTPUT:] 2 BOARDS, 2165 LUMENS EACH
 [_MOUNTING] EXISTING FIXTURE
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [_PRODUCT ID] HTS-9AR RETROFIT KIT
 [_PRODUCT GROUP] ROUGH SERVICE
 FILE: CANDELA MULTIPLIER: 1
 FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 5
 FILE: COORDINATE SYSTEM: TYPE C
 FILE: UNIT OF MEASURE: STANDARD
 FILE: BALLAST FACTOR: 1

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