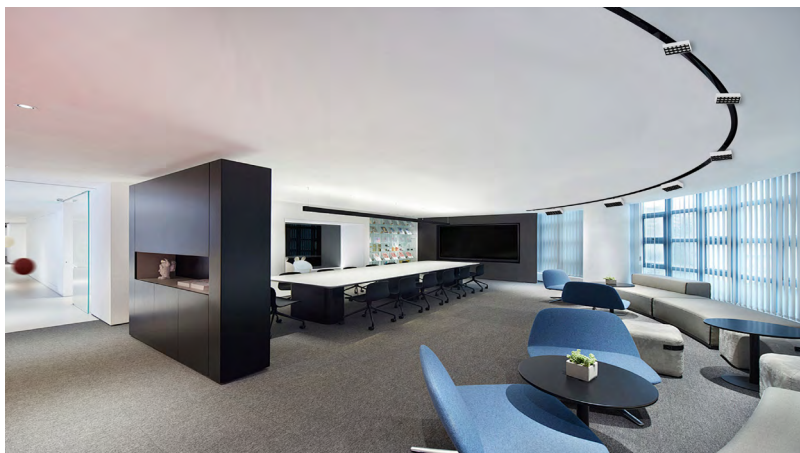
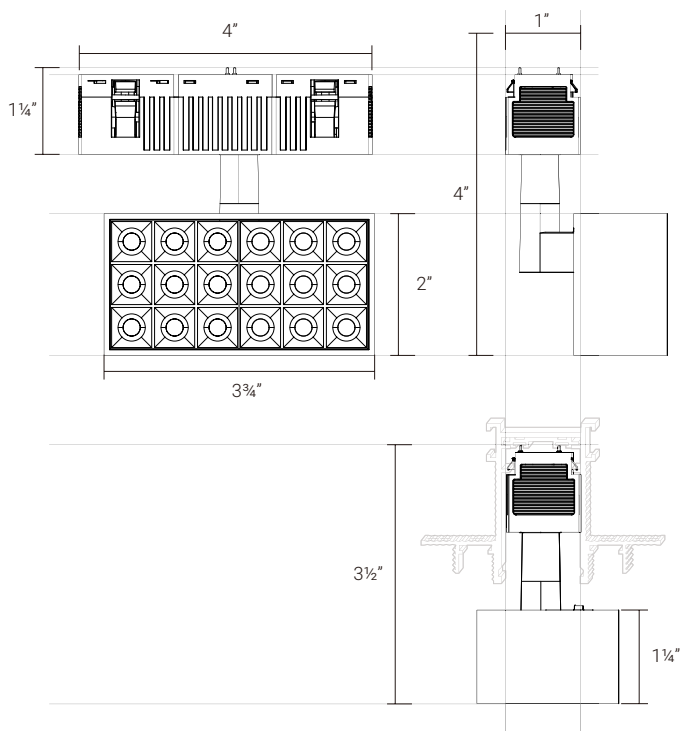




Rotate 355° Tilt 85°



SERIES	LUMENS	WATTAGE
FG-R-T7-2	1000lm	16W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

GROOVE CURVE 'RECTANGLE TRACK LIGHT' SERIES

The FG-R-T7-2 Rectangle Track Light features a modern, geometric look and casts a powerful illumination that can be used to highlight or accentuate focal points. It features optional Narrow Flood, Flood, and Wide Flood TIR optics provide precise beam control and reduce glare. Through track head positioning and mounting distance, the FG-R-T7-1 can be utilized as a wall wash, wall grazer, task, or downlight. Available with various CCT options. Suitable for individual installation or assorted combination with other Groove Curve track luminaires for convenient, dynamic illumination.

SERIES	Groove Curve - 'Rectangle Track Light' Series
SIZE	3 3/4" x 2"
OPERATING VOLTAGE	48V DC
OUTPUT VOLTAGE	120-277V AC
CCT	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
COLOR QUALITY	2-Step MacAdam Ellipse
OPTICS	Narrow Flood 28°, Flood 50°, Wide Flood 80°
FINISH	☐ WH-BK (White+Black) ● BK-BK (Black)
DIMMING	DIM10 - (0-10V Dimming), DIMTR, DALI 2, BLE
LIFETIME	L70 at 60,000 Hours
LISTING	5-year pro-rated warranty. ETL Listed. Title 24 Compliant. Assembled in America. Class 2, Title 24 JA8 listed
PHOTOMETRIC TESTS	In accordance with IES LM79-08, LM80 and TM-30, TM-21

FEATURES OF GROOVE FAMILY

The Groove Curve 48V Track System offers seamless curved track solutions for modern lighting design.

FLEXIBLE AND CREATIVE: Groove Curve connects curved and straight tracks at various angles and diameters to create complete circular shapes and custom curved layouts.

VERSATILE AND PRECISE: Groove Curve tracks support a wide range of interchangeable luminaires with flexible adapters to allow easy repositioning and replacement.

Available in Trimless Recessed, Ceiling Mount, and Suspended Mount options. Fixtures can be mounted individually or in continuous runs for curved paths of smooth, uninterrupted illumination.

THE ORIGINAL GROOVE 48V DC TRACK SYSTEM

The Groove 48V DC track system combines sleek, minimal profiles with the convenience and versatility of easily interchangeable click-in track heads.

Designed for easy customization, Groove is available with a suite of in-line linear, adjustable linear, spot, pendant, cylinder, and suspended track heads which can be seamlessly clicked-in or removed to meet the needs of any project, current or future. Track head accessories include a variety of field-changeable optics, including TIR and diffuser options, and even spot, flood, snoot, and wall-wash accessories.

As a result, Groove can be used for accent, task, and general illumination in galleries and museums or hospitality, retail, corporate, and residential spaces.

- Single drivers can power runs up to 65' long at 480 watts
- Discreet integrated or remote driver options keep track lines clean
- Connector accessories like T, X, and L corners can be used to tailor designs into custom rectangular, square, or linear patterns, or even build wall to ceiling or wrap configurations
- Multiple lumen packages and distribution options available
- Available in Trimless Recessed, Recessed Flanged, Ceiling/ Surface, and Suspended options
- Suspended and surface mounting options can be used for wood, drywall or T-Bar ceilings

For more details refer to individual track head spec sheets.

CONSTRUCTION

All Groove track heads are engineered for long lifespans and reduced maintenance through the use of coolLED's Advanced Thermodynamic Design, which includes an extruded aluminum body, a hidden die-cast heat sink, and thermal management system.

LED MODULE PERFORMANCE

The Groove Blade System's luminaires are equipped with 2-step McAdam Eclipse LEDs, which provide consistent color across all fixtures, and 90+CRI. The LEDs are available in a variety of kelvin temperature options.

DRIVERS

The Groove Blade System is powered by constant voltage drivers with a rating of 50/60Hz at a 120/277V input and a 48V output. They produce less than 20% THD, have a 90% power factor, and are thermally protected for additional safety. Driver wattages range from 75W to 450W and can power up to 65' of track. Groove drivers can be installed internally within the track or remotely mounted, and are available in 0-10V 1% Dimming, Dali Dimming, or 120V On/ Off Non-Dimming Driver. Please see Groove track system spec sheets for a complete list of drivers and capabilities.

FINISH

Luminaires are available in a powder-coated black or white post-paint finish. They may also be issued in custom RAL colors upon request. Consult the factory to find out which custom colors can be accommodated.

DIMMING INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277. Dimmable down to 1% of initial lumens, standard. Available in 75W, 100W, 150W, and 240W.

DIMTR - Electronic low voltage dimming. Available in 120V.

DALI - DALI DT6 dimming down to 1% Available in 75W, 100W, 150W, and 240W. EldoLED PowerDrive dimming down to 0.1%. Please see the EldoLED website for wiring diagrams and a full list of compatible DMX and DALI control systems.

WARRANTY

5-year warranty for parts and components (labor not included).

EXAMPLE:					
SERIES	OPTICS	CCT	CRI	FINISH	OPTION
FG-R-T7-2	☐ NFL=28° ☐ FL=50° ☐ WFL=80°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH-BK (White+Black) ☐ BK-BK (Black)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

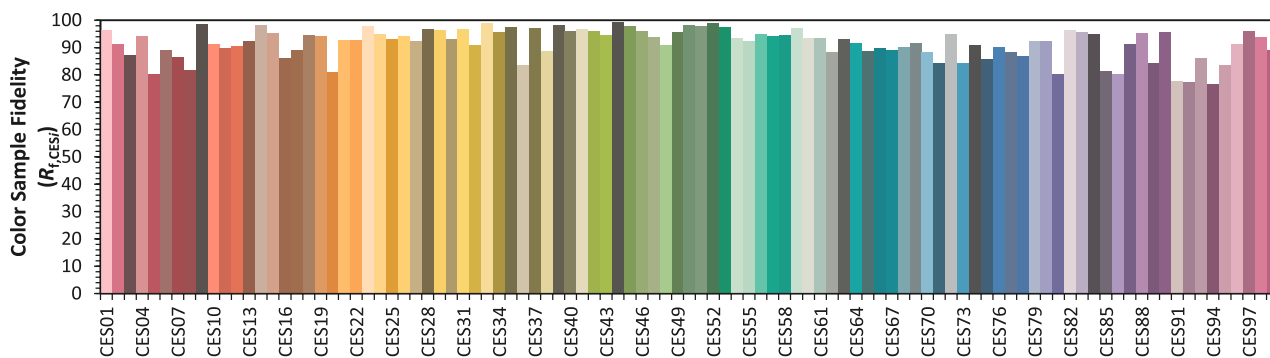
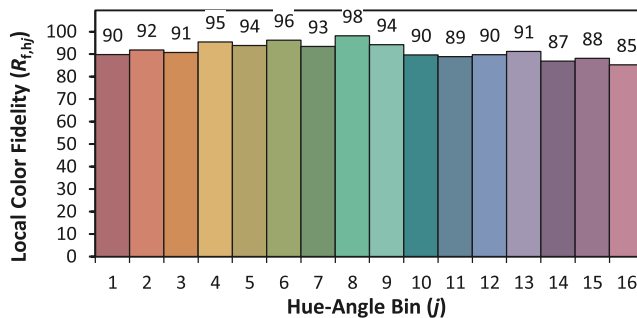
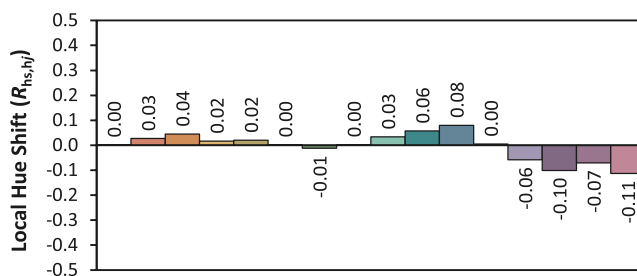
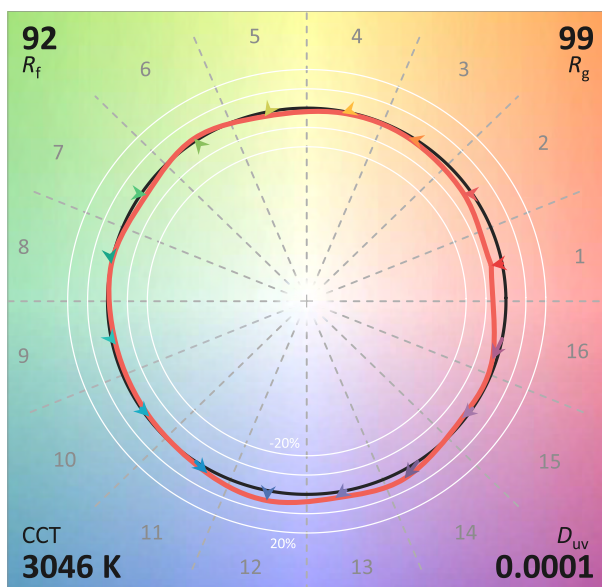
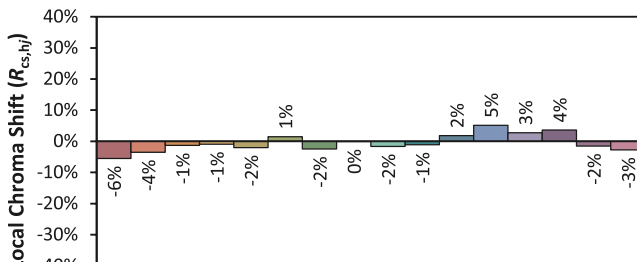
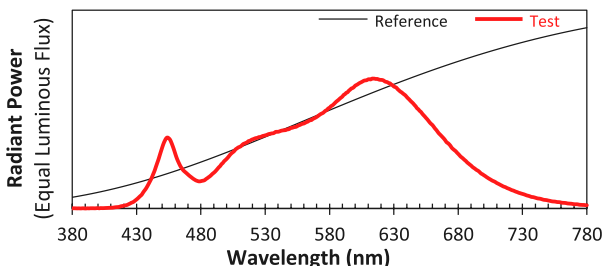
ANSI/IES TM-30-18 Color Rendition Report

Source: LED-PCB

Manufacturer:

Date: 2024/12/3

Model: CRI:90 CCT:3000K



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4339

y 0.4033

u' 0.2489

v' 0.5206

CIE 13.3-1995
(CRI)

R_a 93

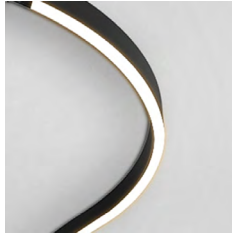
R_g 52

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.

GROOVE CURVE LUMINAIRE OPTIONS



FG-R-L4R-8
Linear Downlight



FG-LS-3
Linear Silicone 3ft



FG-LS-6
Linear Silicone 6ft



FG-LS-9
Linear Silicone 9ft



FG-R-T1-1
Recessed Track Light



FG-R-T2-2
Cylinder



FG-R-T3-1
Cylinder



FG-R-T3-2
Cylinder



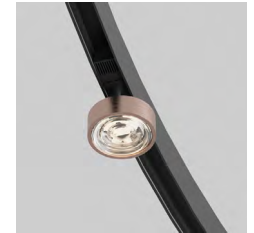
FG-R-T4-1
Beam Adjustable Cylinder



FG-R-T4-2
Beam Adjustable Cylinder



FG-R-T5-1
Flat Round



FG-R-T5-2
Flat Round



FG-R-T6-1
Flat Square



FG-R-T7-1
Square Track Light



FG-R-T7-2
Rectangle Track Light



FG-R-T8-1
Track Globe



FG-R-T9-1
Track Globe



FG-R-T10-1
Track Downlight



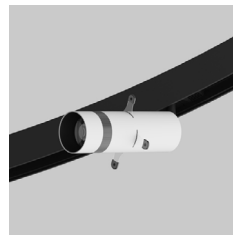
FG-R-T11-1
Globe



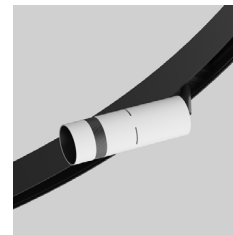
FG-R-WL-1
Wall Light



FG-R-LL-1
Line Light



FG-R-TPJ-1
Form Projector



FG-R-TPJ-2
Gobo Projector



FG-R-P1-1/2
Pendant



FG-R-P3-1/2
Pendant



FG-R-P4-1
Pendant Globe



FG-R-P4-2
Pendant Globe



FG-R-P4-3
Pendant Globe



FG-R-P5-1
Globe



FG-R-P9-1
Pendant Flat Round

FG-R-T7-2-NFL-40K-90

TEST NO.: **220062**

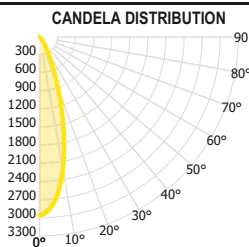
INPUT WATTS: **16.6**

LUMENS: **998**

EFFICACY: **60**

BEAM ANGLE: **28**

SPACING CRITERIA: **0.51**



CANDELA TABLE

	0°	90°
0°	2962	2962
10°	2245	2001
20°	900	749
30°	273	226
40°	75	60
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	7085284	7085284
45.00°	121780	100874
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	246
10° - 20°	402
20° - 30°	224
30° - 40°	97
40° - 50°	30
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	648	65%
0° - 30°	871	87%
0° - 40°	968	97%
0° - 60°	998	100%
0° - 80°	998	100%
0° - 90°	998	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	82.3 fc	3.2 ft	3.1 ft
8.0 ft	46.3 fc	4.3 ft	4.2 ft
10.0 ft	29.6 fc	5.3 ft	5.2 ft
12.0 ft	20.6 fc	6.4 ft	6.2 ft
14.0 ft	15.1 fc	7.5 ft	7.3 ft
16.0 ft	11.6 fc	8.5 ft	8.3 ft
18.0 ft	9.1 fc	9.6 ft	9.3 ft
20.0 ft	7.4 fc	10.7 ft	10.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	80%				70%				50%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	118	118	118	118	115	115	115	115	110	110	110	110	105	105	105	101	101	101	101	99	99
1	113	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	95	94	93	92
2	109	105	102	99	107	103	100	98	100	98	96	95	94	91	89	88	86	85	84	82	81
3	105	100	96	92	103	98	95	92	96	93	90	88	85	82	79	77	75	73	71	70	69
4	101	95	90	87	99	94	90	86	92	88	85	82	79	76	73	71	69	67	65	64	63
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6	94	87	82	78	92	86	81	78	84	81	78	75	72	69	66	64	62	60	58	56	55
7	90	83	78	75	89	82	78	75	81	77	74	71	68	65	62	60	58	56	54	52	51
8	87	80	75	72	86	79	75	71	78	74	71	68	65	62	59	57	55	53	51	49	48
9	84	77	72	69	83	76	72	69	75	71	68	65	62	59	56	54	52	50	48	46	45
10	81	74	69	66	81	73	69	66	73	69	66	63	60	57	54	52	50	48	46	44	43

FG-R-T7-2-FL-40K-90

TEST NO.: **220062**

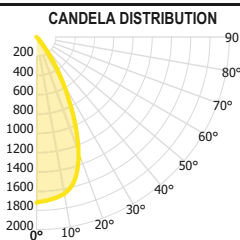
INPUT WATTS: **16.4**

LUMENS: **1200**

EFFICACY: **73**

BEAM ANGLE: **50**

SPACING CRITERIA: **0.83**



CANDELA TABLE

	0°	90°
0°	1719	1719
10°	1652	1436
20°	1271	1061
30°	556	470
40°	103	98
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	4110857	4110857
45.00°	162847	160783
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	161
10° - 20°	417
20° - 30°	400
30° - 40°	178
40° - 50°	44
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	578	48%
0° - 30°	978	81%
0° - 40°	1156	96%
0° - 60°	1200	100%
0° - 80°	1200	100%
0° - 90°	1200	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	47.7 fc	5.6 ft	5.4 ft
8.0 ft	26.9 fc	7.4 ft	7.2 ft
10.0 ft	17.2 fc	9.3 ft	8.9 ft
12.0 ft	11.9 fc	11.1 ft	10.7 ft
14.0 ft	8.8 fc	13.0 ft	12.5 ft
16.0 ft	6.7 fc	14.8 ft	14.3 ft
18.0 ft	5.3 fc	16.7 ft	16.1 ft
20.0 ft	4.3 fc	18.5 ft	17.9 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	80%				70%				50%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	118	118	118	118	115	115	115	115	110	110	110	110	105	105	105	101	101	101	101	99	99
1	113	110	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	94	93	92	91
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	86	84	83
3	103	97	93	89	101	96	92	89	93	90	87	91	88	86	89	87	84	83	81	79	78
4	99	92	87	83	97	91	86	82	89	85	81	87	83	81	85	82	80	78	76	74	73
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	72	70	69
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	68	66	65
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66	64	62	61
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	62	60	58	57
9	79	70	65	61	78	70	64	61	69	64	61	68	64	60	67	63	60	59	57	55	54
10	76	67	61	58	75	66	61	58	65	61	58	65	60	57	64	60	57	56	54	52	51

FG-R-T7-2-WFL-40K-90

TEST NO.: **220062**

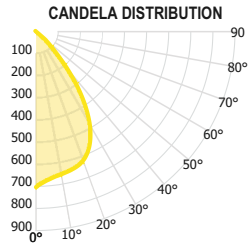
INPUT WATTS: **16.5**

LUMENS: **925**

EFFICACY: **56**

BEAM ANGLE: **80**

SPACING CRITERIA: **1.07**



CANDELA TABLE

	0°	90°
0°	703	703
10°	655	644
20°	621	595
30°	485	473
40°	218	225
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	1682375	1682375
45.00°	339157	369128
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	68
10° - 20°	202
20° - 30°	295
30° - 40°	257
40° - 50°	105
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	269	29%
0° - 30°	564	61%
0° - 40°	821	89%
0° - 60°	925	100%
0° - 80°	925	100%
0° - 90°	925	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	19.5 fc	8.3 ft	8.2 ft
8.0 ft	11.0 fc	11.1 ft	11.0 ft
10.0 ft	7.0 fc	13.9 ft	13.7 ft
12.0 ft	4.9 fc	16.7 ft	16.5 ft
14.0 ft	3.6 fc	19.4 ft	19.2 ft
16.0 ft	2.7 fc	22.2 ft	22.0 ft
18.0 ft	2.2 fc	25.0 ft	24.7 ft
20.0 ft	1.8 fc	27.8 ft	27.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	20%																0%				
	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	116	116	116	116	113	113	113	113	108	108	108	104	104	104	99	99	99	99	97		
1	110	107	105	103	108	105	103	101	101	100	98	98	96	95	94	93	92	90			
2	104	99	95	92	102	98	94	91	95	91	89	92	89	87	89	87	85	83			
3	99	92	87	83	97	91	86	82	88	84	81	86	82	80	83	81	78	77			
4	93	85	80	75	91	84	79	75	82	78	74	80	76	73	78	75	72	71			
5	88	79	73	69	86	78	73	68	77	72	68	75	71	67	73	70	67	65			
6	83	74	68	63	82	73	67	63	71	66	62	70	65	62	69	65	62	60			
7	78	69	62	58	77	68	62	58	67	61	58	66	61	57	64	60	57	55			
8	74	64	58	54	73	64	58	54	63	57	53	61	57	53	60	56	53	51			
9	70	60	54	50	69	60	54	50	59	53	49	58	53	49	57	52	49	48			
10	66	56	50	46	65	56	50	46	55	50	46	54	49	46	54	49	46	44			