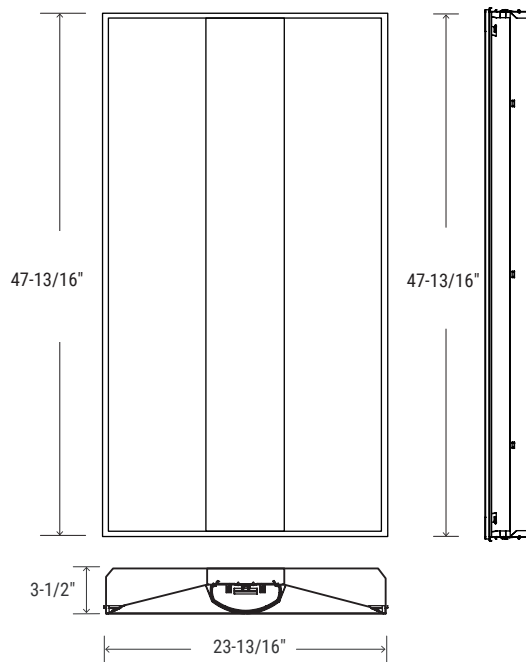




**EASY 3 COLORS
SELECTOR**
3500K / 4000K / 5000K



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	8108	62W
7000	7427	56W
6000	6273	46W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5308	39W
4000	4293	29W
3000	3228	21W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

A combination of stylish design and shallow profile, coupled with innovative LED technology to deliver soft, glare-free illumination, resulting in improved visual comfort and uniform appearance. The enhancement of the volumetric effect provides increased brightness, with an aesthetically pleasing appearance and contemporary design. The energy saving features and optical performance create the ideal choice for educational, medical, office and retail spaces.

LUMENS	3000L/4000L/5000L 6000L/7000L/8000L
CCT & DYNAMIC PLATFORMS	35K/40K/50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4'
UGR	UGR <17
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 10% Dimming Standard (DIM10)
EMERGENCY	10W - Up to 1000L output 20W - Up to 2000L output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory) EMG-LED-G2-20W-SDT - Self Diagnostic (Consult Factory) GTD-UL924
LIFETIME	L70 at 167,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



MAINTENANCE

The center acrylic diffuser can be removed, allowing easy access to LED boards and driver compartment, locking into place for secure closure of the luminaire. LED engines and drivers are removable and upgradable even after luminaire installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

OPTICAL SYSTEM

The LED light engine is secured to the body of the luminaire, with the body acting as a heat sink. A proprietary design of the lens results in zero pixilation, regardless of the viewing angle, with LEDs placed to promote a uniform appearance. The result is even illumination across the space, from luminaire to luminaire. A UGR (Unified Glare Rating) of less than 17 minimizes the effect of glare, enhancing well-being and reducing discomfort.

CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel, post-painted and engineered for maximum strength and extended life. All corners interlock to prevent aesthetic damage to the luminaire, with sides and corners uniformly turned in and hemmed to remove sharp edges for safe handling and easy installation. Luminaire is supplied with multiple wiring entrances for easy daisy chain of luminaires, to add power packs, whips, or other accessories in the field, or for continuous row mounting.

FINISH

Post-painted with a 93% reflective white coat to improve luminaire efficacy, with all body components seamlessly interlocked for added structural strength.

MOUNTING

Luminaires accommodate lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling thicknesses. Four corner tie points are standard for safety wire support when required, with built-in earthquake clips, standard. Luminaires may be available with flange kits, surface mounted kits, and other options.

OPTIONS

Luminaires can be shipped pre-installed with whips, modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120/277V input.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 10% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277V.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Feed Through Wiring.
Listed for DLC, California Title 24 compliant.

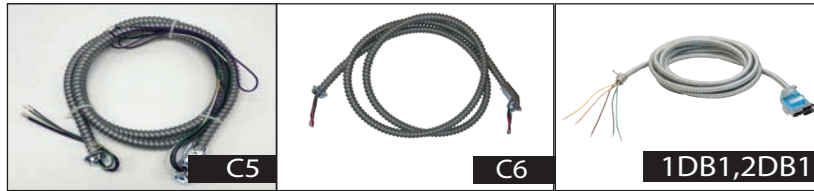
Example: **24-OEVHP-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85**

24	OEVHP	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	
24 - 2' X4'	OEVHP - LED Shallow Volumetric Troffer	LED	3000L/4000L/5000L 6000L/7000L/8000L	DIM10 - 0-10V Dimming	MVOLT	35K/40K/50K 30K*	85	O-EMG-LED-10W O-EMG-LED-20W O-EMG-LED-G2-10W-SDT O-EMG-LED-G2-20W-SDT *GTD-UL924 <small>(listed bodine GTD factory installs on drivers input)</small> <small>*Consult factory for details</small>	

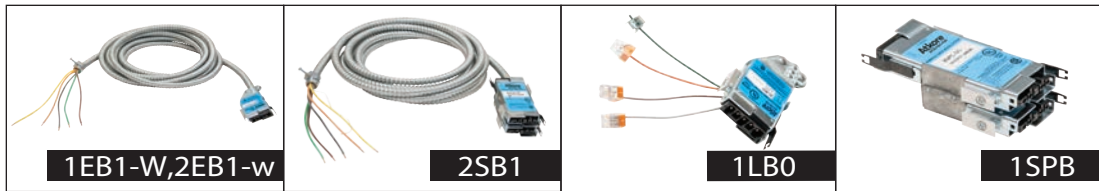
OTHER OPTIONS

- 24FK** - 2'x4' Flange Kit
- 24-OEVHP-LED-SMK** - 2'x4' Surface Mount Kit
- FBF** - Internal Fast Blow Fuse
- SBF** - Internal Slow Blow Fuse
- RIS** - Radio Interference Suppressor

WHIPS



WHIPS		
<p><input type="checkbox"/> C5 C5-3/8X6FT FLEX ASSY 18/5 W/GRAY & PURPLE WIRE - EXTENDED TO 12"</p>	<p><input type="checkbox"/> C6 6-wire Flex Cable (Single Circuit)</p>	<p><input type="checkbox"/> 1DB1 120/208/240V Distribution cable, 3-wire w/ground-phase A,B, 1' cable length</p> <p><input type="checkbox"/> 2DB1 277/480V Distribution cable, 3-wire w/ground-phase A,B, 1' cable length</p>



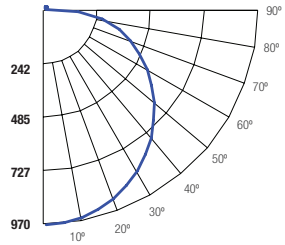
<p><input type="checkbox"/> 1EB1-W 120/208/240V Extender cable, 3-wire w/ground-phase A,B, 1' cable length-Whip End</p> <p><input type="checkbox"/> 2EB1-W 277/480V Extender cable, 3-wire w/ground-phase A,B, 1' cable length-Whip End</p>	<p><input type="checkbox"/> 2SB1 277/480V Switch Module, 3-wire w/ground-phase A,B, 1' cable length</p>	<p><input type="checkbox"/> 1LB0 120/208/240V Lighting Component, 3-wire w/ground-phase A,B, No cable required</p>	<p><input type="checkbox"/> 1SPB 120/208/240V Splitter, 3-wire w/ground-phase A,B</p>
---	--	---	--

24-OEVHP-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)

TEST NO.: EL02102050

INPUT WATTS: **21.2** LUMENS: **3228** CRI: **85** EFFICACY: **152** CCT: **40K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	355.42	11.00	11.00
0-30	760.61	23.60	23.60
0-40	1258.85	39.10	39.00
0-60	2300.03	71.40	71.30
0-80	3041.00	94.30	94.20
0-90	3184.34	98.80	98.60

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1189	1241	1341
55	1144	1235	1400
65	1088	1255	1520
75	944	1300	1813
85	655	1331	2275

Lumens Per Zone

Zone	Lumens
0-10	91.73
10-20	263.70
20-30	405.19
30-40	498.24
40-50	532.68
50-60	508.50
60-70	431.20
70-80	309.76
80-90	143.34

Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	968.901										
5	961.250										
15	921.250										
25	848.000										
35	747.250										
45	625.460										
55	488.220										
65	341.930										
75	181.720										
85	42.440										
90	3.960										

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	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		119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	101	101	99			
1		107	101	96	92	104	99	94	90	94	91	87	87	90	87	84	86	84	82	82	79	79			
2		96	87	80	73	94	85	78	72	81	76	70	70	78	73	69	75	70	67	64	64	63			
3		87	76	67	60	85	74	66	59	71	64	58	58	68	62	57	65	60	56	53	53	53			
4		80	67	58	50	77	65	57	50	63	55	49	49	60	54	48	58	52	47	45	45	45			
5		73	60	50	43	71	58	49	43	56	48	42	42	54	47	41	52	46	41	39	39	39			
6		67	53	44	37	65	52	44	37	50	42	37	37	49	42	36	47	41	36	34	34	34			
7		62	48	39	33	61	47	39	33	46	38	32	32	44	37	32	43	36	32	29	29	29			
8		58	44	35	29	56	43	35	29	42	34	29	29	40	33	28	39	33	28	26	26	26			
9		54	40	32	26	53	40	32	26	38	31	26	26	37	30	26	36	30	25	23	23	23			
10		51	37	29	24	49	37	29	23	35	28	23	23	34	28	23	33	27	23	21	21	21			

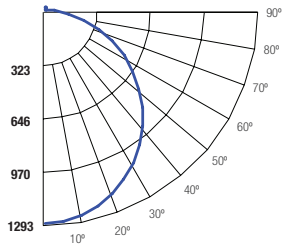
RC - Ceiling Cavity Reflectance

24-OEVHP-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(4000L)

TEST NO.: EL02102051

INPUT WATTS: **28.7** LUMENS: **4293** CRI: **85** EFFICACY: **150** CCT: **40K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	474.21	11.10	11.00
0-30	1012.09	23.60	23.60
0-40	1671.65	39.00	38.90
0-60	3056.91	71.30	71.20
0-80	4042.9	94.30	94.20
0-90	4234.4	98.80	98.60

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1589	1657	1793
55	1528	1649	1872
65	1433	1658	2034
75	1259	1732	2387
85	872	1750	3027

Lumens Per Zone

Zone	Lumens
0-10	122.38
10-20	351.83
20-30	537.88
30-40	659.56
40-50	707.07
50-60	678.19
60-70	574.32
70-80	411.67
80-90	191.51

Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	1292.741										
5	1282.300										
15	1228.800										
25	1131.630										
35	998.240										
45	835.880										
55	652.050										
65	450.390										
75	242.500										
85	56.530										
90	5.270										

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	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		119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	101	101	99			
1		107	101	96	92	104	99	94	90	94	91	87	87	90	87	84	86	84	82	82	79	79			
2		96	87	80	73	94	85	78	72	81	75	70	70	78	73	69	74	70	67	64	64	63			
3		87	76	67	60	85	74	66	59	71	64	58	58	68	62	57	65	60	56	53	53	53			
4		80	67	58	50	77	65	57	50	63	55	49	49	60	54	48	58	52	47	45	45	45			
5		73	60	50	43	71	58	49	43	56	48	42	42	54	47	41	52	46	41	39	39	39			
6		67	53	44	37	65	52	44	37	50	42	37	37	49	41	36	47	41	36	34	34	34			
7		62	48	39	33	61	47	39	33	46	38	32	32	44	37	32	43	36	32	29	29	29			
8		58	44	35	29	56	43	35	29	42	34	29	29	40	33	28	39	33	28	26	26	26			
9		54	40	32	26	53	40	32	26	38	31	26	26	37	30	26	36	30	25	23	23	23			
10		51	37	29	24	49	37	29	23	35	28	23	23	34	28	23	33	27	23	21	21	21			

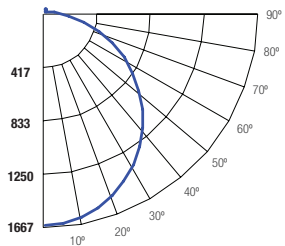
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-OEVHP-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(5000L)

TEST NO.: EL12231990

INPUT WATTS: **38.8** LUMENS: **5308** CRI: **85** EFFICACY: **137** CCT: **40K** SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	609.44	11.5	11.5
0-30	1296.04	24.5	24.4
0-40	2130.26	40.2	40.1
0-60	3843.43	72.5	72.4
0-80	5027.09	94.8	94.7
0-90	5240.2	98.9	98.7

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2020	2096	2235
55	1921	2061	2293
65	1780	2045	2440
75	1551	2099	2815
85	1040	2000	3006

Lumens Per Zone

Zone	Lumens
0-10	157.67
10-20	451.77
20-30	686.59
30-40	834.22
40-50	881.42
50-60	831.75
60-70	695.3
70-80	488.36
80-90	213.11

Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	1666.961										
5	1658.14										
15	1588.39										
25	1458.29										
35	1278.62										
45	1062.7										
55	819.71										
65	559.75										
75	298.7										
85	67.42										
90	5.65										

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	80%				70%				5			
-------------------	-------	-----	--	--	--	-----	--	--	--	---	--	--	--

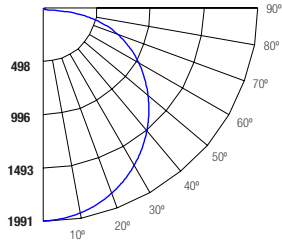
24-OEVHP-LED-6000L-7000L-8000L-DIM10-MVOLT-35K-40K-50K-85(6000L)

TEST NO.: **EL12172039**

INPUT WATTS: **46** LUMENS: **6273** CRI: **90** EFFICACY: **136** CCT: **3500K**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	723.17	11.5	11.5
0-30	1539.13	24.5	24.5
0-40	2532.32	40.4	40.4
0-60	4575.28	72.9	72.9
0-80	5984.07	95.4	95.4
0-90	6220.34	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2382	2484	2647
55	2257	2450	2725
65	2063	2440	2907
75	1707	2475	3273
85	918	1986	3455

Lumens Per Zone

Zone	Lumens
0-10	186.97
10-20	536.2
20-30	815.96
30-40	993.19
40-50	1051.3
50-60	991.66
60-70	830.47
70-80	578.32
80-90	236.27

Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	1976.6										
5	1963.76										
15	1878.17										
25	1723.33										
35	1510.77										
45	1252.81										
55	963.06										
65	648.64										
75	328.63										
85	59.52										
90	3.89										

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99	99	99		
1	107	102	97	93	104	100	95	91	95	91	88	91	88	85	87	85	83	80	85	83	80	80		
2	97	88	81	74	94	86	79	73	82	76	71	79	74	70	76	72	68	72	68	66	66	66		
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	61	57	55	55	55		
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	48	53	48	46	46	46		
5	74	60	51	44	71	59	50	44	57	49	43	55	48	42	53	47	42	47	42	40	40	40		
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	41	37	34	34	34		
7	63	49	40	34	61	48	39	33	46	39	33	45	38	33	43	37	32	37	32	30	30	30		
8	59	45	36	30	57	44	36	30	42	35	29	41	34	29	40	34	29	37	32	27	27	27		
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	31	26	24	24	24		
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	24	28	24	22	22	22		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

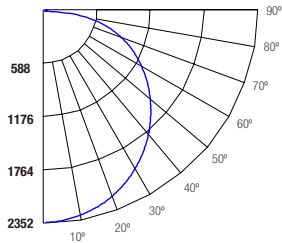
24-OEVHP-LED-6000L-7000L-8000L-DIM10-MVOLT-35K-40K-50K-85(7000L)

TEST NO.: **EL12172040**

INPUT WATTS: **56** LUMENS: **7427** CRI: **90** EFFICACY: **131** CCT: **3500K**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	856.76	11.5	11.5
0-30	1823.46	24.6	24.6
0-40	3000.05	40.4	40.4
0-60	5419.77	73	73
0-80	7084.36	95.4	95.4
0-90	7364.28	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2818	2943	3138
55	2673	2904	3234
65	2441	2893	3444
75	1996	2930	3882
85	1087	2315	4059

Lumens Per Zone

Zone	Lumens
0-10	221.52
10-20	635.24
20-30	966.7
30-40	1176.59
40-50	1245.41
50-60	1174.32
60-70	980.65
70-80	683.94
80-90	279.91

Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	2341.449										
5	2326.76										
15	2222.1										
25	2038.8										
35	1786.93										
45	1482.28										
55	1140.55										
65	767.42										
75	384.27										
85	70.47										
90	4.61										

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99	99	99		
1	107	102	97	93	104	100	95	91	95	91	88	91	88	85	87	85	83	80	85	83	80	80		
2	97	88	81	74	94	86	79	73	82	76	71	79	74	70	76	72	68	72	68	66	66	66		
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	61	57	55	55	55		
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	48	53	48	46	46	46		
5	74	60	51	44	71	59	50	44	57	49	43	55	48	42	53	47	42	47	42	40	40	40		
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	41	37	35	35	35		
7	63	49	40	34	61	48	39	33	46	39	33	45	38	33	43	37	32	37	32	30	30	30		
8	59	45	36	30	57	44	36	30	42	35	29	41	34	29	40	34	29	37	32	27	27	27		
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	31	26	24	24	24		
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	24	28	24	22	22	22		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

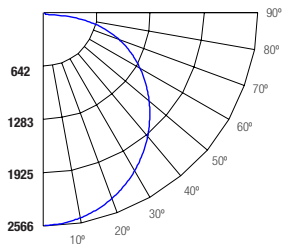
24-OEVHP-LED-6000L-7000L-8000L-DIM10-MVOLT-35K-40K-50K-85(8000L)

TEST NO.: **EL12172040**

INPUT WATTS: **62** LUMENS: **8108** CRI: **90** EFFICACY: **130** CCT: **3500K**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	935.74	11.5	11.5
0-30	1991.54	24.6	24.6
0-40	3276.58	40.4	40.4
0-60	5919.05	73	73
0-80	7734.62	95.4	95.4
0-90	8040.02	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	3074	3214	3429
55	2915	3165	3529
65	2665	3153	3760
75	2180	3192	4229
85	1184	2488	4393

Lumens Per Zone

Zone	Lumens
0-10	241.94
10-20	693.8
20-30	1055.8
30-40	1285.05
40-50	1360.09
50-60	1282.38
60-70	1069.77
70-80	745.81
80-90	305.39

Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	2557.401										
5	2538.51										
15	2426.73										
25	2227.19										
35	1951.43										
45	1617.04										
55	1243.98										
65	837.94										
75	419.7										
85	76.76										
90	5.03										

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance