

SKU: HBL-240W-UFO

Test Time: 2018-04-26 16:44

## Luminaire Property

Luminaire Manufacturer: ORE LIGHTING INC

Luminaire Category: High Bay Light

Lamp Catalog: SMD-5000K

Number of LED: 498

Luminous Length (mm): 230mm

Luminous Height (mm): 1.6

Luminaire Description: HBL-240W-UFO

Lamp Description: LUMILEDS

Lumens per Lamp: 34800lm

Luminous Width (mm): 230mm

Power: 242w

## Photometric Results

IES NEMA Type: 7H x 7V

Measurement Flux: 33685lm

Field Lumens: 33078lm

Field Angle: H152.7, V156.1 Luminaire

Efficacy Rating (LER): 139

Max. Intensity: 11962 cd

Total Rated Lamp Lumens: 34800lm

Efficiency: 97%

Field Efficiency: 95%

Beam Angle: H114.5, V113.9

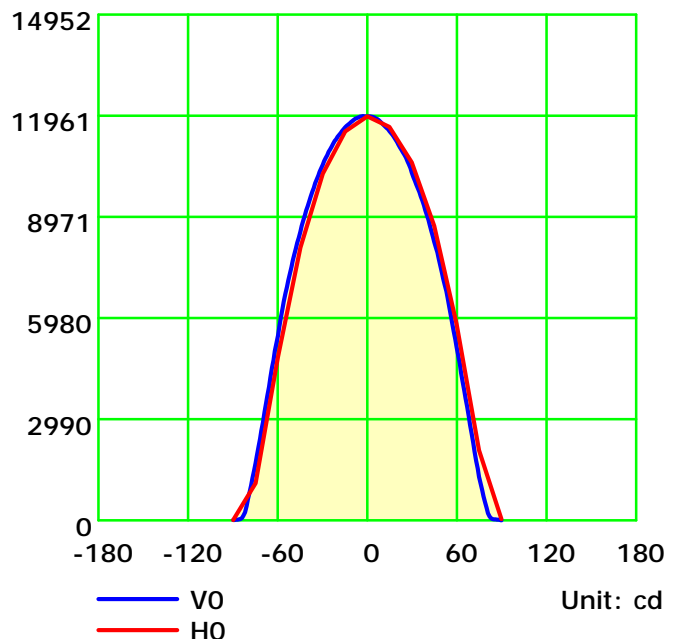
Central Intensity: 11950 cd

Pos of Max. Intensity: H0 V-3

Picture Of Luminaire



Luminous Intensity Distribution Curve



B Plane (°): -90.0-90.0: 15.0

Test Lab: ORE

Test Type: TYPE B

Temperature:

Operator:

Beta Plane (°): -90.0-90.0: 1.0

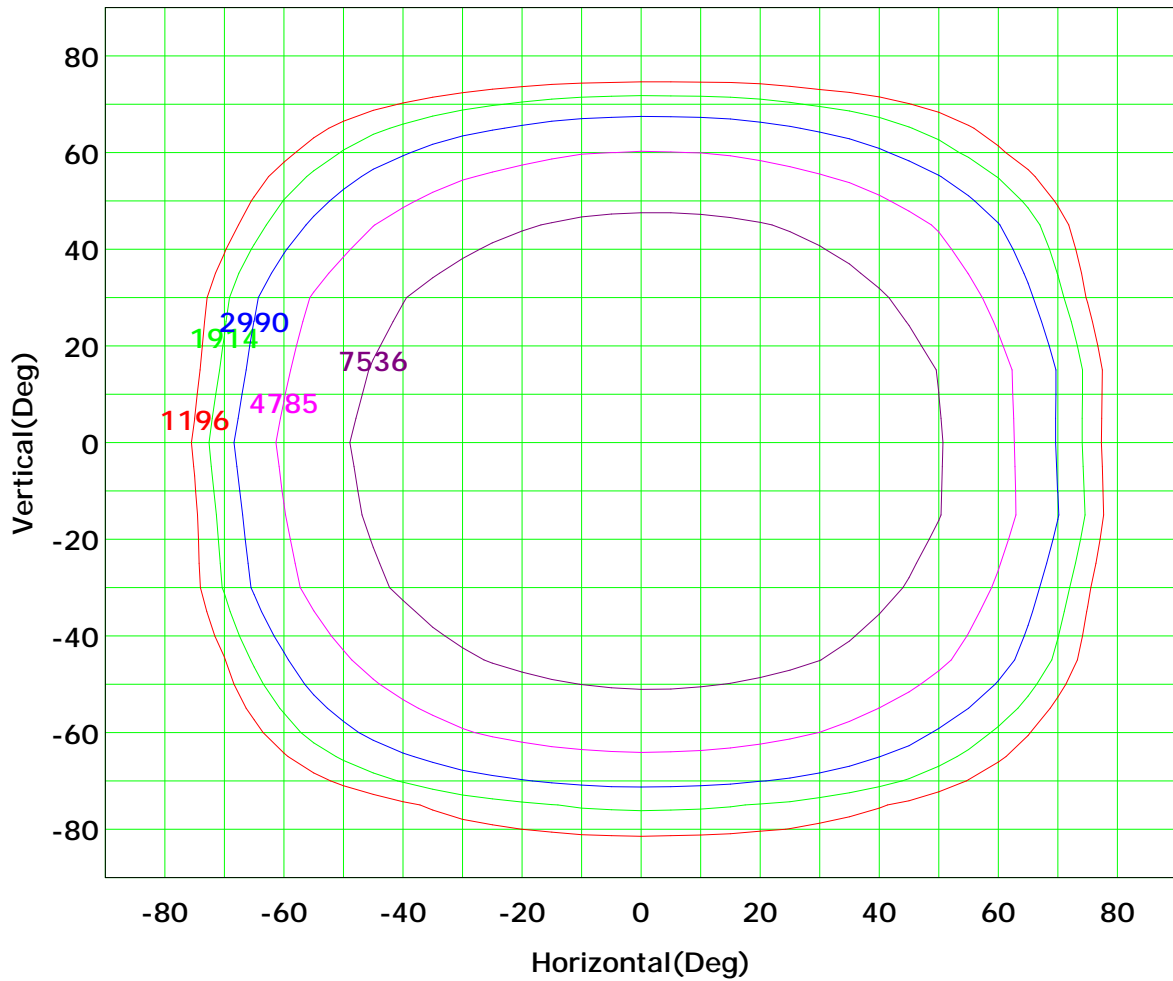
Test Device:

Distance:

Humidity:

Inspector:

## Isocandela (rectangle)



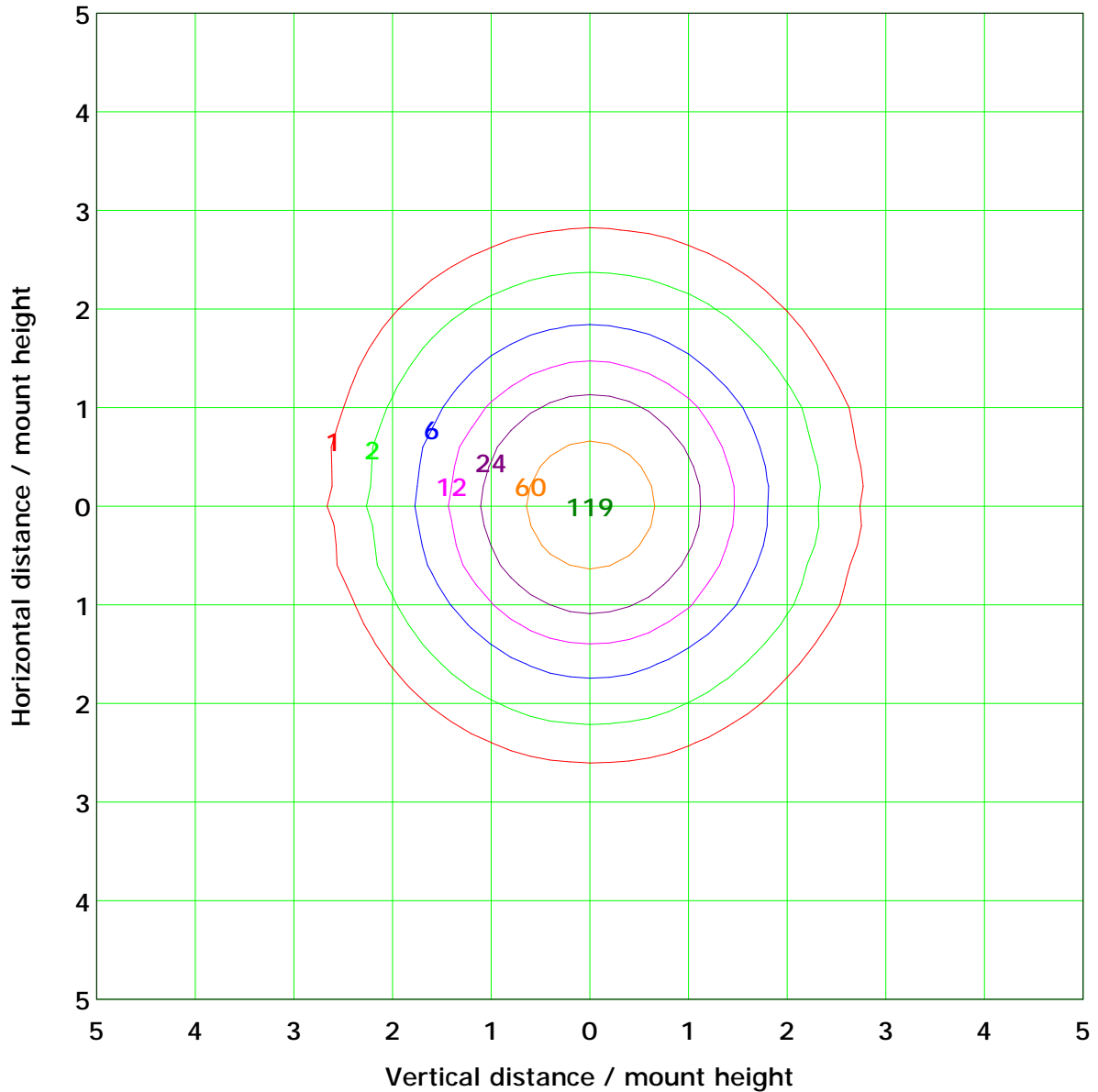
Imax (100%): 11962 cd

- |                   |                    |
|-------------------|--------------------|
| — ( 10%): 1196 cd | — ( 16%): 1914 cd  |
| — ( 25%): 2990 cd | — ( 40%): 4785 cd  |
| — ( 63%): 7536 cd | — (100%): 11962 cd |

B Plane (°): -90.0-90.0: 15.0  
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 Test Type: TYPE B  
 Temperature:  
 Operator:

Beta Plane (°): -90.0-90.0:1.0  
 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

## IsoLux Plot

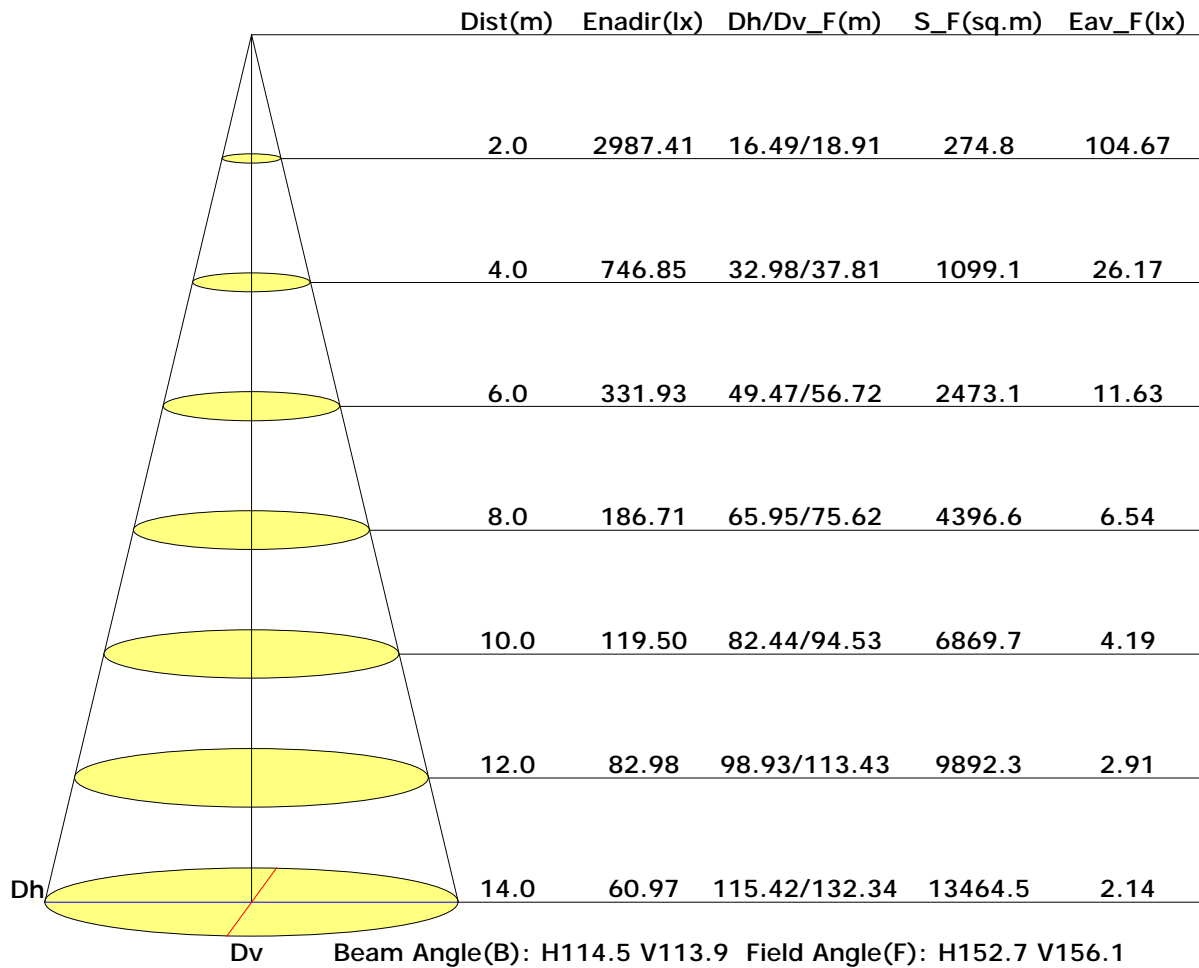


<b>Mounting Height: 10.0m    Max Lux(100%): 119.5 lx</b>	
— ( 1%): 1.2 lx	— ( 2%): 2.4 lx
— ( 5%): 6.0 lx	— ( 10%): 11.9 lx
— ( 20%): 23.9 lx	— ( 50%): 59.7 lx
— (100%): 119.5 lx	

B Plane (°):-90.0-90.0: 15.0  
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 Temperature:  
 Operator:

Beta Plane (°):-90.0-90.0:1.0  
 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

## Illuminance at a Distance



B Plane (°):-90.0-90.0: 15.0  
 Test Lab: ORE  
 Test Type: TYPE B  
 Temperature:  
 Operator:

Beta Plane (°):-90.0-90.0:1.0  
 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

## Area Flux Table

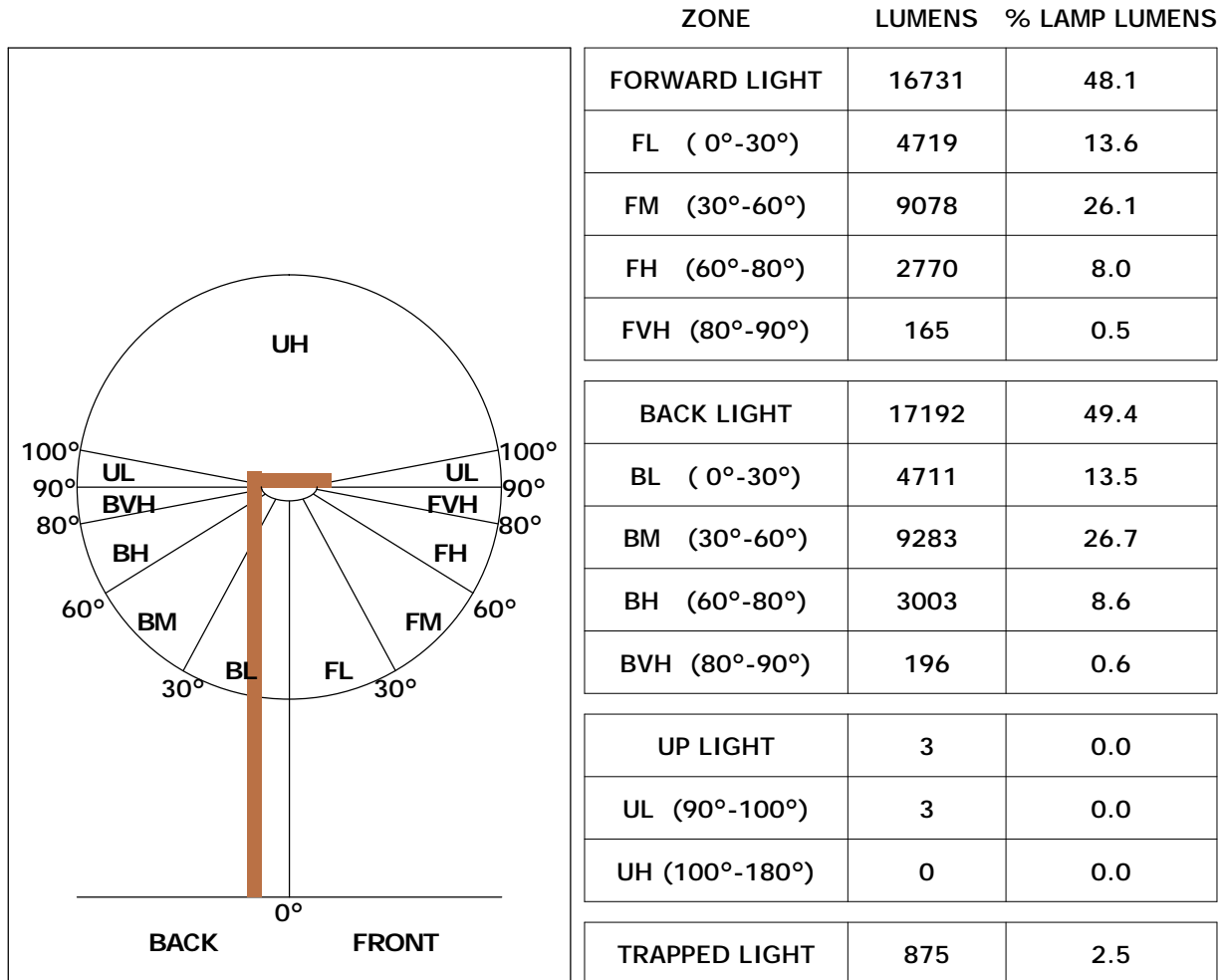
Unit: lm

		Vertical plane																		
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	Flux(T)	0.0	0.1	0.4	1.5	3.5	6.0	8.6	10.6	11.3	11.1	9.7	7.4	4.6	2.1	0.6	0.2	0.1	0.0	0.0
0.0	128.1	0.4	1.8	6.2	13.4	22.0	30.4	37.2	39.9	39.2	34.9	27.4	18.1	9.6	3.6	1.1	0.2	0.0	0.0	285.4
0.1	520.8	8.0	22.2	42.2	64.4	84.6	100.8	108.3	107.5	97.6	80.5	59.2	37.3	18.1	5.6	0.6	0.1	0.1	0.1	838.1
0.1	128.1	3.3	17.5	43.2	76.8	112.7	143.8	167.4	178.6	177.5	162.9	137.5	104.6	69.2	36.3	12.5	1.6	0.1	0.1	1445.4
0.2	520.8	6.5	28.8	66.3	112.4	160.2	199.7	228.0	241.6	239.8	222.1	190.9	148.5	101.4	56.4	21.3	3.3	0.1	0.1	2027.4
0.3	128.1	8.9	37.4	83.9	139.4	193.4	238.5	271.6	288.0	286.0	266.6	232.0	184.7	130.8	76.1	31.7	6.0	0.1	0.1	2475.4
0.4	520.8	11.6	45.8	99.5	161.0	219.3	268.6	304.3	322.3	320.5	299.5	262.0	210.6	151.9	90.6	39.2	7.9	0.2	0.2	2815.4
0.6	128.1	14.3	53.4	112.3	176.9	238.4	290.6	326.8	334.5	334.4	321.5	281.6	226.6	164.7	99.5	43.6	9.0	0.2	0.2	3049.5
0.6	520.8	14.6	55.0	115.9	182.2	245.6	299.2	336.9	356.6	355.5	333.0	292.7	236.9	173.5	106.9	48.2	10.8	0.3	0.3	3164.4
0.6	128.1	14.8	55.6	116.8	183.3	246.9	300.5	338.7	358.3	356.7	334.5	294.1	238.6	174.7	108.0	48.9	11.0	0.3	0.3	3182.8
0.6	520.8	15.0	55.2	115.1	180.2	242.3	294.5	331.9	350.5	348.0	326.1	286.1	231.5	168.4	102.7	45.5	9.8	0.2	0.2	3103.8
0.5	128.1	12.6	48.7	104.3	166.8	226.1	276.3	312.4	330.7	329.1	308.1	270.5	218.6	158.8	95.9	42.4	9.2	0.2	0.2	2911.0
0.3	520.8	10.1	41.3	90.8	148.3	203.7	250.4	283.9	301.1	299.7	280.0	244.9	196.8	140.8	83.5	36.1	7.5	0.2	0.2	2619.4
0.2	128.1	7.9	33.5	74.9	125.0	174.7	216.1	245.9	260.8	259.0	241.1	208.9	165.8	114.5	65.6	26.6	4.8	0.1	0.1	2225.2
0.1	520.8	4.4	22.2	52.5	91.3	131.4	166.3	191.4	204.4	203.4	188.5	161.7	125.6	85.1	47.2	18.1	2.9	0.1	0.1	1696.4
0.1	128.1	1.8	11.7	30.7	56.6	84.2	109.5	127.7	137.3	136.9	126.0	106.4	80.5	53.0	27.9	9.7	1.4	0.1	0.1	1101.4
0.1	520.8	0.6	3.5	12.2	25.0	38.8	52.0	61.6	66.4	66.1	60.1	48.8	35.6	21.6	9.6	2.5	0.5	0.1	0.1	505.0
0.1	128.1	0.3	1.1	3.8	8.0	12.4	16.7	19.9	21.4	21.4	19.4	15.6	11.3	6.7	2.9	0.8	0.3	0.1	0.1	162.1
0.0	520.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
0.0	128.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33685
0.0	520.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33078

B Plane (°): -90.0-90.0: 15.0  
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Beta Plane (°): -90.0-90.0: 1.0  
 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B5 U5 G4
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B5 U5 G2

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