



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PR-4-D5-I3-30-80-FW-W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2019.2.0

[ISSUE DATE] 7th Oct 2019

[TEST DATE] Mon Oct 07 09:06:18 2019

[TEST] IES-P00237

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] BLD-4-PR-4-D5-I3-30-80-FW-W

[LUMINAIRE] Blade 4" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens

[LAMP] LED (3000K 80+ CRI)

[OTHER]

[OTHER] This test was performed using absolute photometry.

[OTHER]

[OTHER] Indoor Photometric Report

[OTHER] Distribution: Direct/Indirect

[OTHER] Symmetry: Quadrilateral

[OTHER] Photometric Type: C

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	39.55
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.11 ft
Luminous Height	0.31 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18615	5281	3594
55	17297	3459	2099
65	15143	1903	1080
75	11658	838	523
85	6945	267	179

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	834.00	834.00	834.00	834.00	834.00
10	819.18	825.46	832.92	835.23	830.65
20	776.91	790.16	774.64	752.53	745.51
30	705.85	712.75	665.67	627.91	614.16
40	615.53	599.29	532.99	486.96	470.42
50	501.76	466.84	391.10	338.81	320.40
60	366.49	320.19	243.26	191.30	174.14
70	221.77	174.37	111.16	92.10	89.31
80	85.04	55.39	42.51	39.22	38.72
90	5.17	3.97	4.12	3.98	3.98
100	4.42	4.20	4.37	4.24	4.05
110	59.46	57.72	53.71	50.48	49.23
120	177.40	174.88	165.80	156.22	154.22
130	311.62	306.22	294.02	282.90	277.95
140	432.95	426.55	415.11	405.13	399.41
150	524.32	518.92	514.31	505.06	502.18
160	587.15	583.47	578.18	575.41	572.31
170	627.77	626.60	624.21	622.75	619.90
180	662.14	662.14	662.14	662.14	662.14

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	306.07	N.A.	9.00
0-30	638.46	N.A.	18.80
0-40	1017.62	N.A.	29.90
0-60	1677.85	N.A.	49.40
0-80	1968.01	N.A.	57.90
0-90	1997.42	N.A.	58.80
10-90	1918.02	N.A.	56.40
20-40	711.55	N.A.	20.90
20-50	1076.51	N.A.	31.70
40-70	853.57	N.A.	25.10
60-80	290.16	N.A.	8.50
70-80	96.82	N.A.	2.80
80-90	29.41	N.A.	0.90
90-110	35.45	N.A.	1.00
90-120	144.51	N.A.	4.30
90-130	350.92	N.A.	10.30
90-150	917.62	N.A.	27.00
90-180	1402.35	N.A.	41.20
110-180	1366.9	N.A.	40.20
0-180	3399.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.40
10-20	226.67
20-30	332.39
30-40	379.16
40-50	364.96
50-60	295.27
60-70	193.34
70-80	96.82
80-90	29.41
90-100	4.59
100-110	30.85
110-120	109.06
120-130	206.42
130-140	275.01
140-150	291.68
150-160	252.74
160-170	170.58
170-180	61.40

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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	0
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	92	89	93	90	86	83	78	76	73	67	65	64	57	56	55	50
2	91	84	78	73	85	79	74	69	69	65	61	59	57	54	51	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	45	43	40	37
4	77	66	58	52	71	62	55	50	54	49	45	47	43	40	41	38	35	32
5	71	59	51	45	66	56	48	43	49	43	39	43	38	35	37	33	31	28
6	65	53	45	39	61	50	43	37	44	38	34	39	34	31	34	30	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	31	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	33	28	49	38	31	26	34	28	24	30	25	22	26	22	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

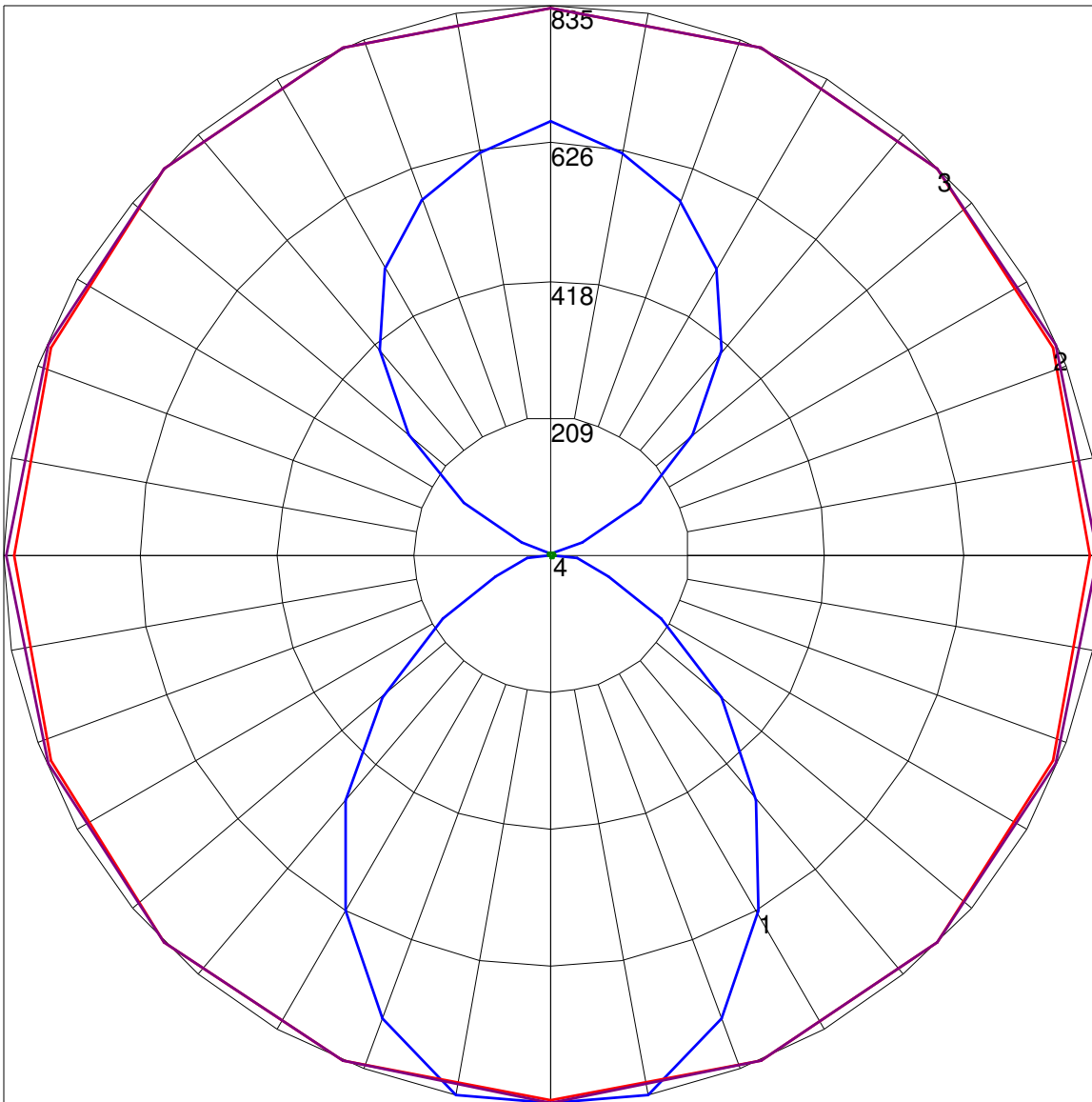
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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	13.5	14.4	14.4	15.3	16.5	12.7	13.6	13.6	14.5	15.7
	3H	14.6	15.4	15.5	16.4	17.5	13.7	14.5	14.6	15.4	16.6
	4H	14.9	15.7	15.9	16.6	17.8	14.1	14.9	15.0	15.8	16.9
	6H	15.1	15.8	16.0	16.7	17.9	14.4	15.1	15.3	16.0	17.2
	8H	15.1	15.8	16.0	16.7	17.9	14.4	15.1	15.4	16.1	17.2
	12H	15.1	15.7	16.0	16.7	17.9	14.5	15.2	15.4	16.1	17.3
4H	2H	13.6	14.4	14.5	15.3	16.5	12.9	13.7	13.8	14.6	15.8
	3H	14.9	15.5	15.8	16.5	17.6	14.0	14.6	14.9	15.6	16.8
	4H	15.3	15.8	16.2	16.8	18.0	14.4	15.0	15.3	15.9	17.2
	6H	15.5	16.0	16.4	16.9	18.2	14.7	15.2	15.7	16.2	17.4
	8H	15.5	16.0	16.5	16.9	18.2	14.8	15.3	15.8	16.3	17.5
	12H	15.5	15.9	16.5	16.9	18.1	14.9	15.4	15.9	16.3	17.6
8H	4H	15.2	15.7	16.2	16.7	17.9	14.4	14.9	15.4	15.9	17.1
	6H	15.5	15.9	16.4	16.9	18.1	14.8	15.2	15.7	16.2	17.4
	8H	15.5	15.9	16.5	16.9	18.1	14.9	15.3	15.9	16.3	17.5
	12H	15.6	15.9	16.5	16.8	18.1	15.0	15.3	16.0	16.3	17.6
12H	4H	15.2	15.6	16.2	16.6	17.8	14.4	14.8	15.4	15.8	17.0
	6H	15.4	15.8	16.4	16.8	18.0	14.7	15.1	15.7	16.1	17.3
	8H	15.5	15.8	16.5	16.8	18.1	14.9	15.2	15.9	16.2	17.5

Maximum UGR = 18.2

POLAR GRAPH



Maximum Candela = 835.23 Located At Horizontal Angle = 67.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (2)
4 - Horizontal Cone Through Vertical Angle (90)