



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PR-4-D3-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] Fri Oct 04 15:28:09 2019

[TEST] IES-P00235

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] BLD-4-PR-4-D3-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	2800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	31.02
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	13034	3700	2519
55	12123	2426	1471
65	10661	1336	759
75	8214	587	368
85	4894	186	126

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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	585.19	585.19	585.19	585.19	585.19
10	574.75	576.52	584.65	582.72	579.99
20	545.48	552.96	543.18	526.63	521.01
30	495.46	497.70	465.68	438.80	429.71
40	431.57	419.39	373.28	340.42	329.80
50	350.72	326.45	274.17	237.98	224.50
60	257.80	224.47	170.73	134.19	122.04
70	156.34	121.83	78.04	64.71	63.07
80	59.84	38.95	29.59	27.67	27.13
90	3.73	2.86	2.87	2.92	2.95
100	4.49	4.14	4.22	4.20	4.14
110	59.33	57.64	54.07	50.57	49.13
120	178.85	174.69	165.11	156.95	152.68
130	312.51	307.05	294.24	283.32	277.88
140	430.11	427.00	416.25	403.87	399.16
150	524.77	520.88	513.46	503.67	498.47
160	588.30	584.43	578.78	573.82	571.46
170	625.38	625.31	625.13	620.55	621.84
180	660.37	660.37	660.37	660.37	660.37

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	214.27	N.A.	7.70
0-30	446.91	N.A.	16.00
0-40	712.21	N.A.	25.40
0-60	1174.74	N.A.	41.90
0-80	1378.4	N.A.	49.20
0-90	1399.08	N.A.	50.00
10-90	1343.46	N.A.	48.00
20-40	497.93	N.A.	17.80
20-50	753.50	N.A.	26.90
40-70	598.22	N.A.	21.40
60-80	203.66	N.A.	7.30
70-80	67.97	N.A.	2.40
80-90	20.69	N.A.	0.70
90-110	34.80	N.A.	1.20
90-120	143.87	N.A.	5.10
90-130	350.47	N.A.	12.50
90-150	916.99	N.A.	32.70
90-180	1401.4	N.A.	50.00
110-180	1366.6	N.A.	48.80
0-180	2800.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.63
10-20	158.64
20-30	232.63
30-40	265.30
40-50	255.57
50-60	206.97
60-70	135.69
70-80	67.97
80-90	20.69
90-100	3.94
100-110	30.86
110-120	109.07
120-130	206.61
130-140	275.08
140-150	291.44
150-160	252.64
160-170	170.49
170-180	61.28

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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	82	76	71	82	76	71	67	65	61	58	54	52	49	44	43	41	36
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	58	50	44	63	54	46	41	46	40	36	39	35	31	32	29	27	24
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14

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UGR TABLE - CORRECTED

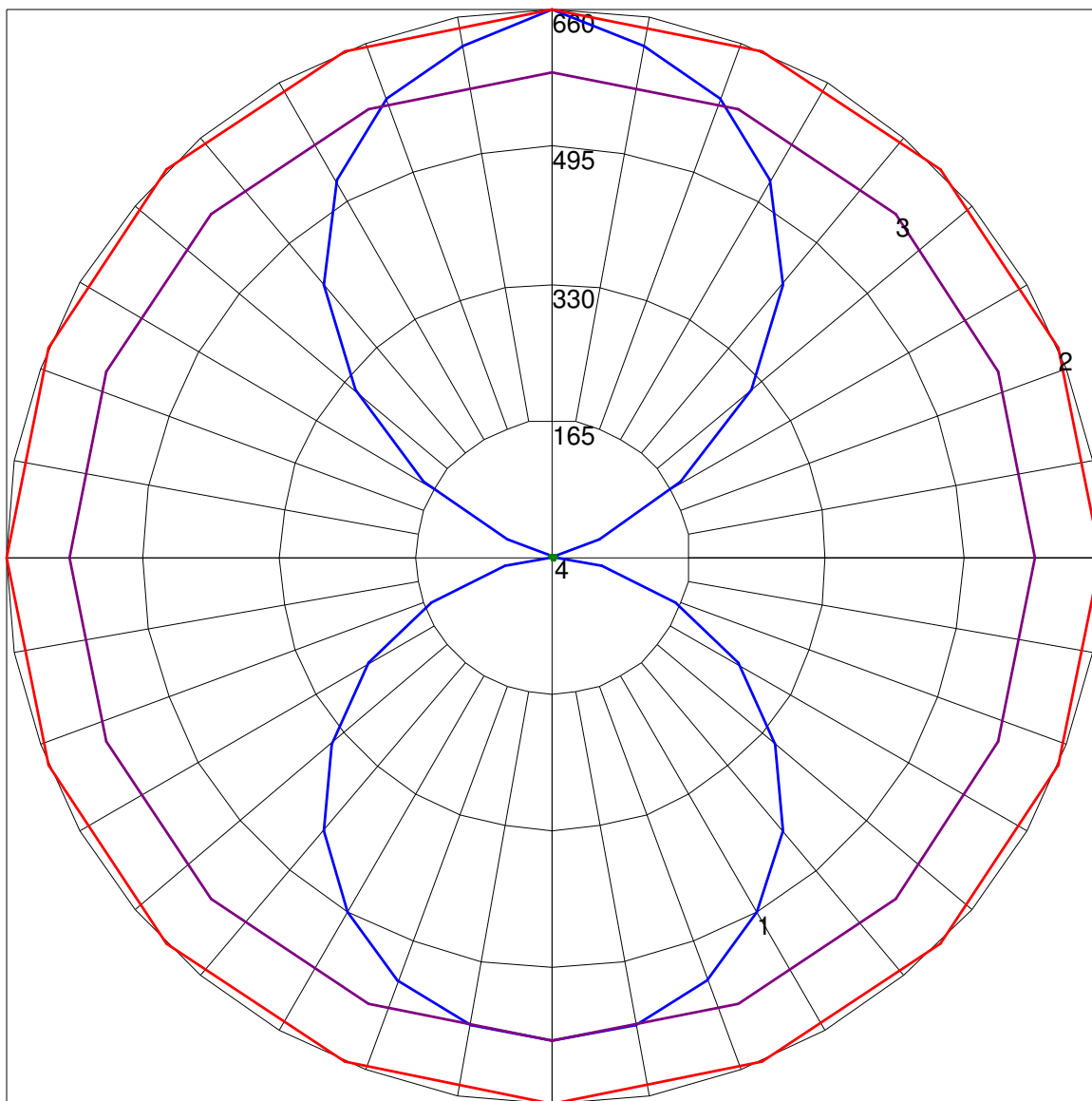
Reflectances

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	11.5	12.4	12.5	13.4	14.6	10.8	11.6	11.7	12.6	13.8
	3H	12.7	13.4	13.6	14.4	15.7	11.8	12.5	12.7	13.5	14.8
	4H	13.0	13.7	14.0	14.7	16.0	12.1	12.9	13.1	13.8	15.1
	6H	13.1	13.8	14.1	14.8	16.1	12.4	13.1	13.4	14.1	15.4
	8H	13.2	13.8	14.2	14.8	16.1	12.5	13.1	13.5	14.1	15.4
	12H	13.1	13.7	14.2	14.7	16.1	12.6	13.2	13.6	14.2	15.5
4H	2H	11.7	12.4	12.6	13.3	14.7	11.0	11.7	11.9	12.6	14.0
	3H	12.9	13.5	13.9	14.5	15.8	12.0	12.6	13.0	13.6	15.0
	4H	13.3	13.8	14.3	14.8	16.2	12.5	13.0	13.5	14.0	15.3
	6H	13.5	14.0	14.5	15.0	16.3	12.8	13.2	13.8	14.3	15.6
	8H	13.5	14.0	14.6	15.0	16.3	12.9	13.3	13.9	14.3	15.7
	12H	13.5	13.9	14.6	15.0	16.3	13.0	13.4	14.0	14.4	15.8
8H	4H	13.3	13.7	14.3	14.7	16.1	12.5	12.9	13.5	13.9	15.3
	6H	13.5	13.9	14.5	14.9	16.3	12.8	13.2	13.9	14.2	15.6
	8H	13.6	13.9	14.6	14.9	16.3	13.0	13.3	14.0	14.3	15.7
	12H	13.6	13.9	14.6	14.9	16.3	13.1	13.4	14.1	14.4	15.8
12H	4H	13.2	13.6	14.3	14.6	16.0	12.4	12.8	13.5	13.9	15.2
	6H	13.5	13.8	14.5	14.8	16.2	12.8	13.1	13.8	14.2	15.5
	8H	13.5	13.8	14.6	14.9	16.3	12.9	13.2	14.0	14.3	15.7

Maximum UGR = 16.3

POLAR GRAPH



Maximum Candela = 660.37 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (2)
4 - Horizontal Cone Through Vertical Angle (90)