



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PD-4-D3-40-80-FW-W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Photopia 2019.2.0
[ISSUE DATE] 11/13/2023JS
[TEST DATE] Tue Oct 08 10:52:55 2019
[TEST] IES-P00246
[MANUFAC] Picasso Lighting Industries, LLC
[LUMCAT] BLD-4-PD-4-D3-40-80-FW-W
[LUMINAIRE] Blade 4" - White Housing - Suspended - Semi-Direct - 1/2" Drop Frosted White Lens
[LAMP] LED (4000K 80+ CRI)
[OTHER]
[OTHER] This test was performed using absolute photometry.
[OTHER]
[OTHER] Indoor Photometric Report
[OTHER] Distribution: Semi-Direct
[OTHER] Symmetry: Quadrilateral
[OTHER] Photometric Type: C
[OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1500
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	19.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.11 ft
Luminous Height	0.04 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10531	9117	8805
55	10154	8467	8145
65	9536	7618	7314
75	8677	6531	6286
85	8949	5627	5472

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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>
0.0	444.26	444.26	444.26	444.26	444.26
2.5	441.65	442.53	444.59	445.61	445.36
5.0	439.04	440.79	444.93	446.98	446.49
7.5	436.43	439.05	445.26	448.33	447.60
10.0	433.82	437.32	445.61	449.69	448.70
12.5	428.11	433.34	440.99	445.06	444.18
15.0	422.39	429.34	436.38	440.43	439.65
17.5	416.67	425.36	431.78	435.81	435.13
20.0	410.95	421.36	427.17	431.18	430.60
22.5	401.32	412.41	419.05	424.16	424.31
25.0	391.68	403.46	410.92	417.14	418.03
27.5	382.05	394.50	402.81	410.12	411.75
30.0	372.41	385.55	394.69	403.09	405.46
32.5	360.56	373.34	384.15	392.96	395.70
35.0	348.70	361.12	373.61	382.83	385.95
37.5	336.86	348.89	363.08	372.70	376.20
40.0	325.00	336.67	352.54	362.58	366.44
42.5	310.59	322.54	339.41	350.04	354.02
45.0	296.18	308.39	326.28	337.51	341.60
47.5	281.76	294.23	313.14	324.97	329.18
50.0	267.36	280.10	300.00	312.45	316.76
52.5	250.01	263.90	284.60	297.37	302.04
55.0	232.69	247.67	269.20	282.29	287.33
57.5	215.35	231.45	253.82	267.20	272.61
60.0	198.01	215.24	238.43	252.12	257.89
62.5	180.10	197.72	221.42	235.65	241.15
65.0	162.19	180.21	204.41	219.16	224.42
67.5	144.26	162.69	187.40	202.68	207.68
70.0	126.35	145.18	170.39	186.20	190.95
72.5	109.10	128.30	153.95	169.85	174.55
75.0	91.84	111.42	137.51	153.52	158.16
77.5	74.60	94.54	121.08	137.19	141.75
80.0	57.34	77.66	104.65	120.84	125.35
82.5	45.85	66.45	93.50	109.64	114.30
85.0	34.36	55.26	82.36	98.45	103.26
87.5	22.85	44.05	71.20	87.23	92.21
90.0	11.36	32.85	60.06	76.04	81.16
92.5	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

135.0	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	165.20	N.A.	11.00
0-30	354.12	N.A.	23.60
0-40	586.79	N.A.	39.10
0-60	1073.21	N.A.	71.50
0-80	1409.83	N.A.	94.00
0-90	1492.92	N.A.	99.50
10-90	1450.56	N.A.	96.70
20-40	421.59	N.A.	28.10
20-50	670.99	N.A.	44.70
40-70	683.79	N.A.	45.60
60-80	336.61	N.A.	22.40
70-80	139.24	N.A.	9.30
80-90	83.09	N.A.	5.50
90-110	7.37	N.A.	0.50
90-120	7.37	N.A.	0.50
90-130	7.37	N.A.	0.50
90-150	7.37	N.A.	0.50
90-180	7.37	N.A.	0.50
110-180	0.00	N.A.	0.00
0-180	1500.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.36
10-20	122.84
20-30	188.92
30-40	232.67
40-50	249.40
50-60	237.02
60-70	197.37
70-80	139.24
80-90	83.09
90-100	7.37
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	86	84	81	79
2	96	87	79	73	93	85	78	72	81	75	70	78	73	68	75	70	67	64
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	65	60	56	53
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	43	71	58	49	43	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	32	46	38	32	44	37	32	43	36	32	30
8	58	44	35	29	56	43	35	29	42	34	29	40	33	28	39	33	28	26
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	23
10	51	37	29	23	49	37	29	23	35	28	23	34	28	23	34	27	23	21

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UGR TABLE - CORRECTED

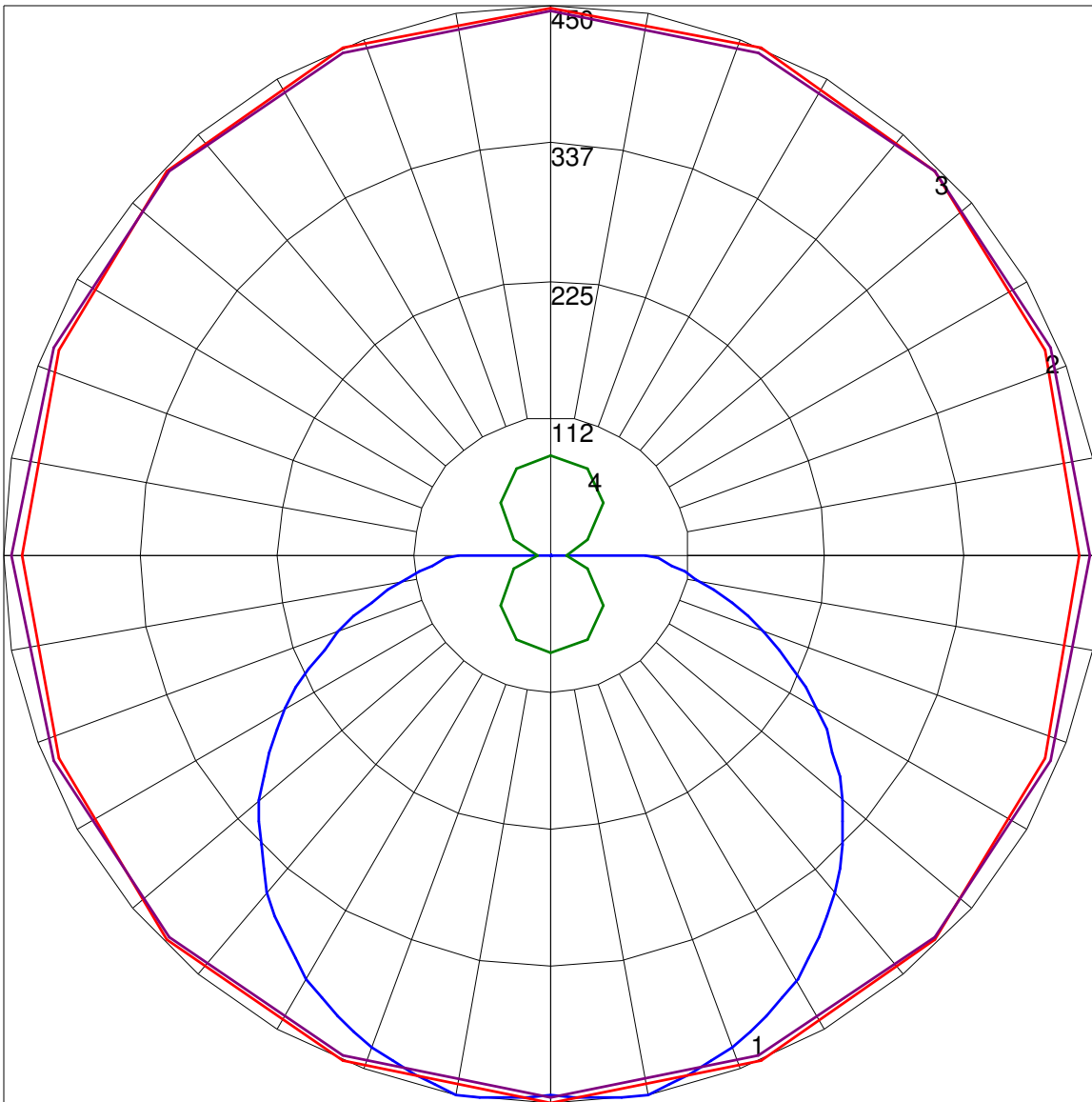
Reflectances

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	18.4	20.1	18.8	20.5	20.8	20.5	22.2	20.9	22.5	22.8
	3H	20.0	21.6	20.4	21.9	22.3	22.9	24.4	23.2	24.8	25.1
	4H	20.6	22.0	21.0	22.4	22.8	24.0	25.4	24.3	25.8	26.2
	6H	20.9	22.3	21.3	22.7	23.1	25.0	26.4	25.4	26.8	27.2
	8H	21.0	22.4	21.5	22.7	23.1	25.6	26.9	26.0	27.3	27.7
	12H	21.1	22.4	21.5	22.8	23.2	26.2	27.5	26.6	27.9	28.3
4H	2H	19.4	20.8	19.8	21.2	21.6	21.0	22.5	21.4	22.8	23.2
	3H	21.2	22.4	21.6	22.8	23.2	23.5	24.8	23.9	25.2	25.6
	4H	21.8	23.0	22.3	23.4	23.8	24.8	25.9	25.2	26.4	26.8
	6H	22.3	23.4	22.8	23.8	24.2	26.0	27.1	26.5	27.5	27.9
	8H	22.5	23.5	22.9	23.9	24.4	26.7	27.6	27.1	28.1	28.5
	12H	22.6	23.5	23.1	24.0	24.4	27.4	28.3	27.9	28.8	29.2
8H	4H	22.5	23.4	22.9	23.9	24.3	25.0	26.0	25.5	26.4	26.9
	6H	23.1	23.9	23.6	24.4	24.9	26.4	27.2	26.9	27.7	28.2
	8H	23.4	24.1	23.9	24.6	25.1	27.2	27.9	27.7	28.4	28.9
	12H	23.6	24.2	24.1	24.7	25.3	28.1	28.7	28.6	29.2	29.8
12H	4H	22.6	23.5	23.1	24.0	24.4	25.0	25.9	25.5	26.4	26.8
	6H	23.4	24.1	23.9	24.6	25.1	26.5	27.2	27.0	27.7	28.2
	8H	23.7	24.4	24.2	24.8	25.4	27.3	27.9	27.8	28.4	29.0

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 449.69 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)