



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PR-4-D3-30-80-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 11:48:17 2019

[TEST] IES-P00239

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] BLD-4-PR-4-D3-30-80-FW-W

[LUMINAIRE] Blade 4" - White Housing - Suspended - Direct - 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

[OTHER] Symmetry: Quadrilateral

[OTHER] Photometric Type: C

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	20.27
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.11 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14127	11749	10034
55	13701	10014	7786
65	12673	7442	5111
75	10655	5021	4449
85	6957	4063	3798

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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	578.21	578.21	578.21	578.21	578.21
5	578.04	577.15	578.99	577.82	581.44
10	572.02	570.63	582.03	581.80	583.50
15	557.16	564.27	567.79	558.88	556.17
20	539.07	549.00	540.77	527.06	519.87
25	518.38	526.80	507.96	485.57	476.86
30	492.40	497.58	466.04	439.62	430.75
35	466.72	461.14	422.14	392.35	381.92
40	431.52	419.07	375.11	343.16	330.28
45	393.24	375.61	327.03	292.50	279.29
50	353.84	328.14	277.21	240.92	229.22
55	309.36	279.41	226.11	188.86	175.80
60	260.64	228.11	174.55	137.75	125.45
65	210.83	176.81	123.81	91.26	85.03
70	159.39	126.08	78.91	66.42	64.73
75	108.56	77.96	51.16	46.63	45.33
80	62.61	40.02	31.14	28.89	28.46
85	23.87	15.49	13.94	13.28	13.03
90	3.39	2.97	2.95	2.68	2.60

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	213.35	N.A.	15.20
0-30	445.38	N.A.	31.80
0-40	710.85	N.A.	50.80
0-60	1176.8	N.A.	84.10
0-80	1380.84	N.A.	98.60
0-90	1399.86	N.A.	100.00
10-90	1344.67	N.A.	96.10
20-40	497.50	N.A.	35.50
20-50	754.14	N.A.	53.90
40-70	601.78	N.A.	43.00
60-80	204.04	N.A.	14.60
70-80	68.21	N.A.	4.90
80-90	19.02	N.A.	1.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1399.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.20
10-20	158.15
20-30	232.03
30-40	265.47
40-50	256.64
50-60	209.31
60-70	135.83
70-80	68.21
80-90	19.02
90-100	0.00
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27

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UGR TABLE - CORRECTED

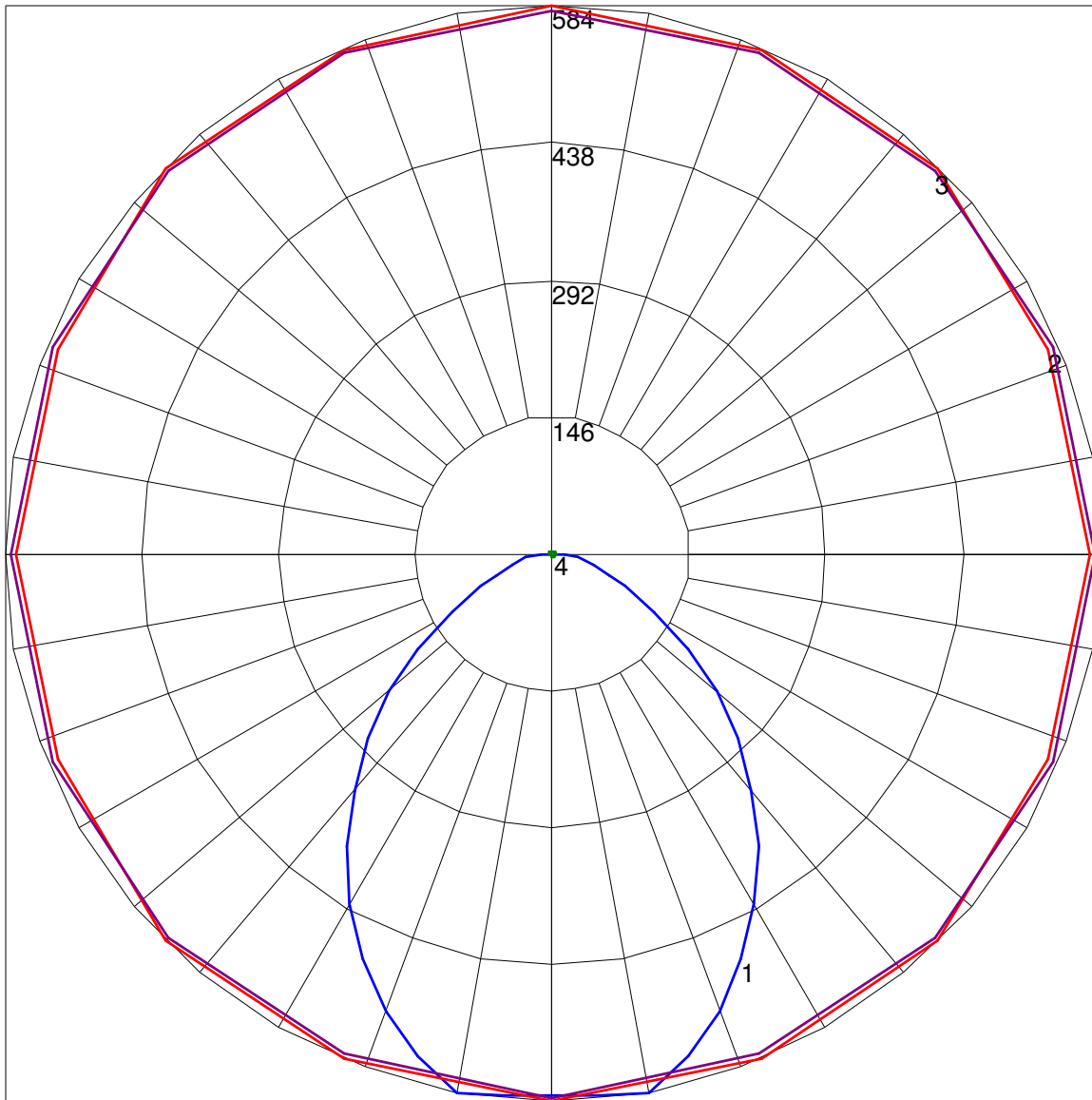
Reflectances

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	21.4	23.0	21.8	23.3	23.6	18.0	19.6	18.4	19.9	20.2
	3H	23.1	24.5	23.5	24.9	25.2	19.1	20.5	19.5	20.8	21.2
	4H	23.8	25.1	24.2	25.4	25.8	19.5	20.8	19.9	21.2	21.5
	6H	24.2	25.4	24.6	25.8	26.2	19.9	21.1	20.3	21.4	21.8
	8H	24.4	25.5	24.8	25.9	26.3	20.0	21.1	20.4	21.5	21.9
	12H	24.4	25.5	24.9	25.9	26.4	20.1	21.2	20.5	21.6	22.0
4H	2H	21.6	22.9	22.0	23.2	23.6	18.8	20.1	19.2	20.4	20.8
	3H	23.5	24.6	23.9	25.0	25.4	20.0	21.1	20.4	21.5	21.9
	4H	24.2	25.2	24.7	25.6	26.1	20.5	21.5	20.9	21.9	22.3
	6H	24.8	25.6	25.2	26.1	26.5	20.9	21.8	21.4	22.2	22.7
	8H	25.0	25.8	25.4	26.2	26.7	21.1	21.9	21.5	22.3	22.8
	12H	25.1	25.8	25.6	26.3	26.8	21.2	21.9	21.7	22.4	22.9
8H	4H	24.3	25.1	24.7	25.5	26.0	20.8	21.6	21.3	22.1	22.5
	6H	24.9	25.5	25.4	26.0	26.5	21.4	22.0	21.9	22.5	23.0
	8H	25.1	25.7	25.6	26.2	26.7	21.6	22.2	22.1	22.7	23.2
	12H	25.3	25.8	25.8	26.3	26.9	21.8	22.3	22.3	22.8	23.4
12H	4H	24.2	25.0	24.7	25.4	25.9	20.9	21.6	21.3	22.1	22.5
	6H	24.9	25.5	25.4	25.9	26.5	21.4	22.0	22.0	22.5	23.0
	8H	25.1	25.7	25.6	26.2	26.7	21.7	22.2	22.2	22.7	23.3

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 583.5 Located At Horizontal Angle = 90, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270) (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)