



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PR-4-D3-I5-30-80-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 16:07:31 2019

[TEST] IES-P00236

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] BLD-4-PR-4-D3-I5-30-80-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)	96
Total Luminaire Watts	35.58
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	13029	3707	2516
55	12117	2427	1475
65	10612	1334	759
75	8157	588	367
85	4891	188	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	585.01	585.01	585.01	585.01	585.01
10	572.75	574.90	585.34	584.87	581.30
20	541.16	551.55	542.80	527.15	521.04
30	494.06	496.53	465.41	439.50	430.81
40	431.03	419.16	373.96	341.25	328.28
50	350.99	325.12	274.66	237.39	225.30
60	257.25	224.44	170.41	133.85	122.17
70	154.99	121.78	77.98	64.42	62.90
80	59.69	38.58	29.78	27.62	26.95
90	3.84	2.90	3.08	3.07	3.04
100	6.14	5.88	6.00	5.95	6.03
110	84.91	82.45	77.27	72.14	70.49
120	254.55	250.42	236.06	224.20	218.65
130	443.57	437.10	420.66	404.40	397.36
140	616.00	609.47	593.71	578.62	571.37
150	748.23	744.03	733.55	720.10	718.23
160	837.15	836.31	827.90	821.59	819.11
170	898.46	893.77	891.59	889.36	883.67
180	941.03	941.03	941.03	941.03	941.03

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	214.18	N.A.	6.30
0-30	446.57	N.A.	13.10
0-40	711.82	N.A.	20.90
0-60	1174.09	N.A.	34.50
0-80	1377.28	N.A.	40.50
0-90	1397.99	N.A.	41.10
10-90	1342.36	N.A.	39.50
20-40	497.63	N.A.	14.60
20-50	753.14	N.A.	22.20
40-70	597.70	N.A.	17.60
60-80	203.20	N.A.	6.00
70-80	67.76	N.A.	2.00
80-90	20.70	N.A.	0.60
90-110	49.06	N.A.	1.40
90-120	205.01	N.A.	6.00
90-130	499.94	N.A.	14.70
90-150	1309.47	N.A.	38.50
90-180	2002.02	N.A.	58.90
110-180	1952.95	N.A.	57.40
0-180	3400.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.63
10-20	158.55
20-30	232.39
30-40	265.25
40-50	255.50
50-60	206.76
60-70	135.43
70-80	67.76
80-90	20.70
90-100	4.97
100-110	44.10
110-120	155.95
120-130	294.93
130-140	392.85
140-150	416.68
150-160	361.31
160-170	243.77
170-180	87.46

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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	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	50	42	37	56	46	39	34	39	33	30	32	28	25	25	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	29	49	38	31	27	32	27	23	26	22	20	21	18	16	14
9	50	38	30	25	45	35	28	24	29	24	21	24	20	18	19	17	15	12
10	46	34	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11

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UGR TABLE - CORRECTED

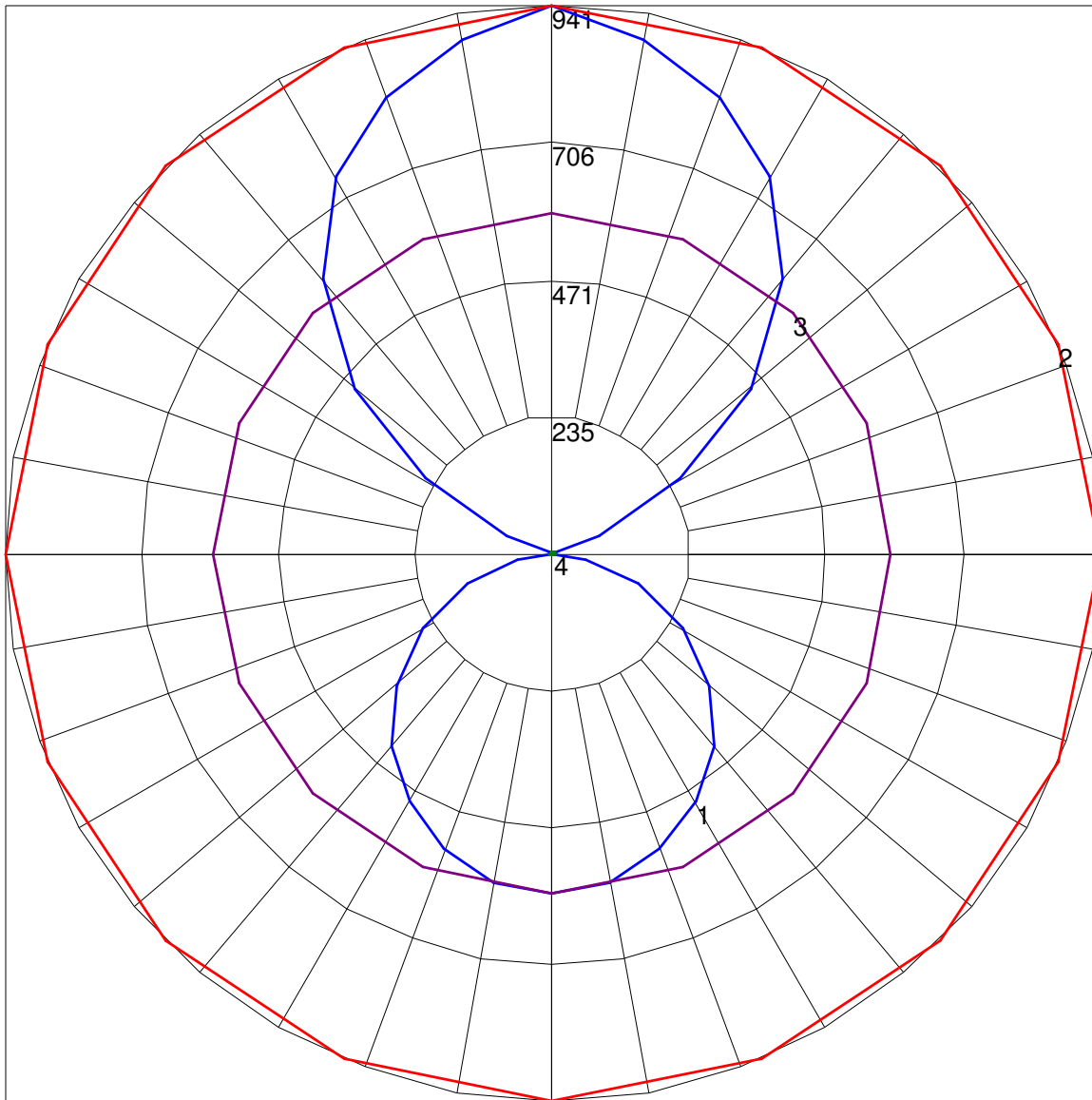
Reflectances

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	10.6	11.4	11.6	12.4	13.8	9.8	10.6	10.8	11.6	13.0
	3H	11.7	12.4	12.7	13.4	14.9	10.8	11.5	11.8	12.5	13.9
	4H	12.0	12.7	13.1	13.7	15.1	11.2	11.8	12.2	12.9	14.3
	6H	12.1	12.7	13.2	13.8	15.2	11.4	12.0	12.5	13.1	14.5
	8H	12.2	12.7	13.2	13.8	15.2	11.5	12.1	12.6	13.1	14.6
	12H	12.2	12.7	13.2	13.8	15.2	11.6	12.1	12.6	13.2	14.6
4H	2H	10.7	11.3	11.7	12.4	13.8	10.0	10.6	11.0	11.7	13.1
	3H	11.9	12.5	13.0	13.5	15.0	11.1	11.6	12.1	12.7	14.1
	4H	12.3	12.8	13.4	13.9	15.3	11.5	12.0	12.6	13.0	14.5
	6H	12.5	12.9	13.6	14.0	15.5	11.8	12.2	12.9	13.3	14.8
	8H	12.5	12.9	13.6	14.0	15.5	11.9	12.3	13.0	13.4	14.8
	12H	12.5	12.9	13.6	14.0	15.5	12.0	12.3	13.1	13.4	14.9
8H	4H	12.3	12.7	13.4	13.7	15.2	11.5	11.9	12.6	13.0	14.4
	6H	12.5	12.8	13.6	13.9	15.4	11.8	12.2	12.9	13.3	14.7
	8H	12.6	12.8	13.7	14.0	15.4	12.0	12.3	13.1	13.4	14.8
	12H	12.6	12.8	13.7	13.9	15.5	12.1	12.3	13.2	13.4	15.0
12H	4H	12.2	12.6	13.3	13.7	15.1	11.4	11.8	12.5	12.9	14.4
	6H	12.5	12.7	13.6	13.9	15.3	11.8	12.1	12.9	13.2	14.7
	8H	12.5	12.8	13.7	13.9	15.4	11.9	12.2	13.1	13.3	14.8

Maximum UGR = 15.5

POLAR GRAPH



Maximum Candela = 941.03 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)