



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PR-4-D5-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] Mon Oct 07 10:07:56 2019

[TEST] IES-P00238

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] BLD-4-PR-4-D5-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	4000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	44.13
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	18581	5285	3596
55	17321	3463	2109
65	15187	1908	1085
75	11669	839	525
85	6993	265	180

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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	838.66	838.66	838.66	838.66	838.66
10	819.83	825.51	834.94	832.15	836.13
20	775.72	790.56	775.19	754.29	744.77
30	707.97	710.60	665.85	627.21	614.15
40	614.13	597.67	533.38	486.51	469.32
50	501.13	464.62	391.46	339.25	321.93
60	368.32	320.58	243.58	191.45	174.94
70	221.68	174.25	111.68	91.96	89.84
80	85.43	54.98	42.22	39.15	38.84
90	5.40	4.21	4.23	4.17	4.19
100	6.18	5.93	6.04	5.93	5.77
110	85.14	82.49	77.04	71.75	69.92
120	254.78	250.06	236.65	222.77	219.61
130	443.66	438.52	421.10	404.52	394.94
140	617.39	611.39	594.29	578.20	573.01
150	752.29	743.97	732.06	720.48	714.47
160	837.48	836.13	828.89	820.72	814.96
170	893.58	892.49	891.09	886.90	887.81
180	940.94	940.94	940.94	940.94	940.94

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	306.45	N.A.	7.70
0-30	638.85	N.A.	16.00
0-40	1017.65	N.A.	25.40
0-60	1677.64	N.A.	41.90
0-80	1968.13	N.A.	49.20
0-90	1997.57	N.A.	49.90
10-90	1917.92	N.A.	47.90
20-40	711.20	N.A.	17.80
20-50	1075.78	N.A.	26.90
40-70	853.66	N.A.	21.30
60-80	290.49	N.A.	7.30
70-80	96.82	N.A.	2.40
80-90	29.44	N.A.	0.70
90-110	49.62	N.A.	1.20
90-120	205.40	N.A.	5.10
90-130	500.36	N.A.	12.50
90-150	1310.52	N.A.	32.80
90-180	2002.6	N.A.	50.10
110-180	1952.97	N.A.	48.80
0-180	4000.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.65
10-20	226.80
20-30	332.40
30-40	378.80
40-50	364.58
50-60	295.40
60-70	193.67
70-80	96.82
80-90	29.44
90-100	5.63
100-110	43.99
110-120	155.78
120-130	294.95
130-140	393.28
140-150	416.89
150-160	361.14
160-170	243.54
170-180	87.40

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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	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	51	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

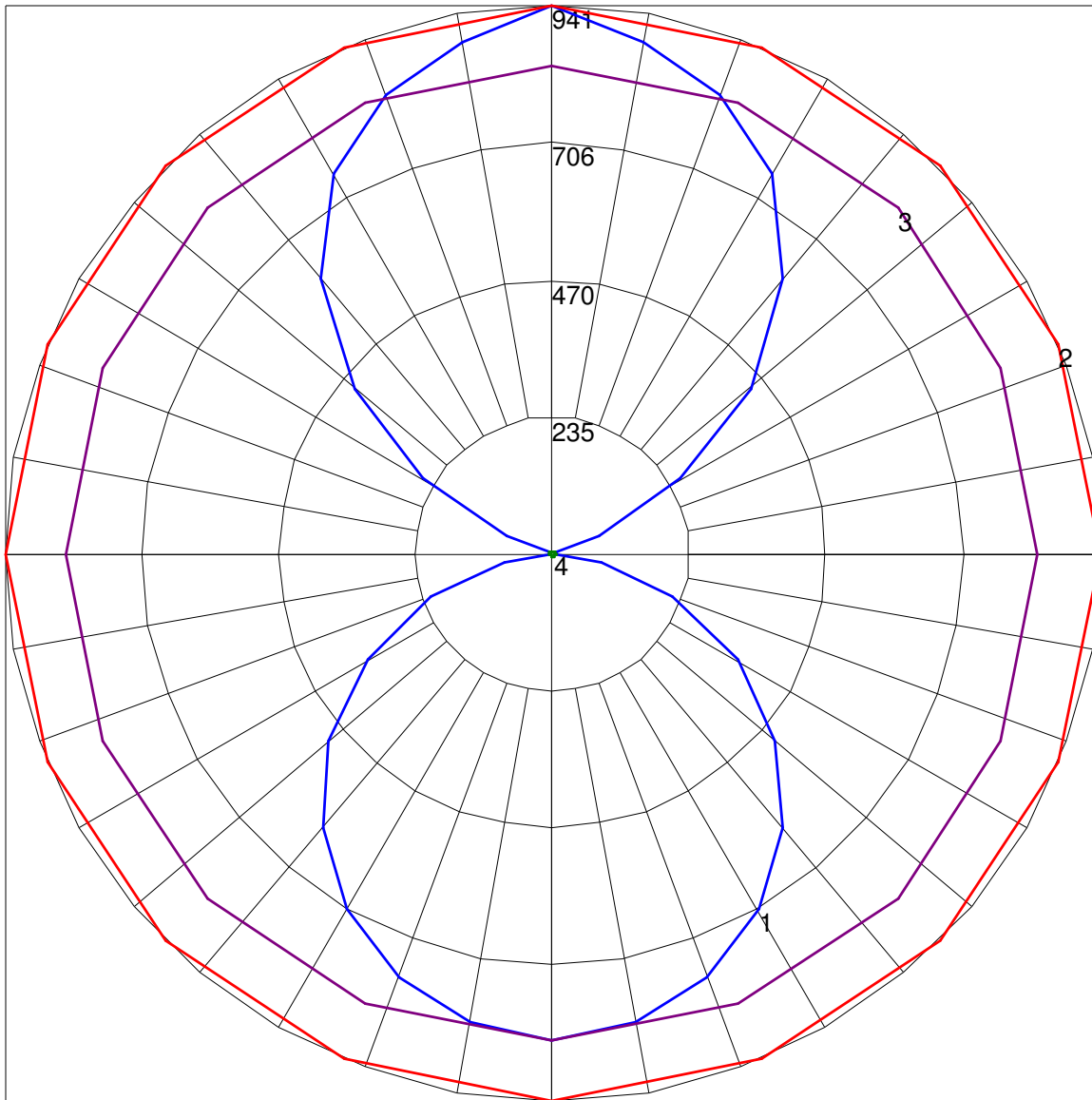
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UGR TABLE - CORRECTED

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	12.7	13.6	13.7	14.6	15.8	11.9	12.8	12.9	13.8	15.0
	3H	13.9	14.6	14.8	15.6	16.9	13.0	13.7	13.9	14.7	16.0
	4H	14.2	14.9	15.2	15.9	17.2	13.3	14.0	14.3	15.0	16.3
	6H	14.3	15.0	15.3	16.0	17.3	13.6	14.3	14.6	15.2	16.6
	8H	14.3	15.0	15.3	16.0	17.3	13.7	14.3	14.7	15.3	16.6
	12H	14.3	14.9	15.3	15.9	17.3	13.8	14.3	14.8	15.3	16.7
4H	2H	12.9	13.6	13.8	14.5	15.8	12.2	12.9	13.1	13.8	15.2
	3H	14.1	14.7	15.1	15.7	17.0	13.2	13.8	14.2	14.8	16.2
	4H	14.5	15.0	15.5	16.0	17.4	13.6	14.2	14.7	15.2	16.5
	6H	14.7	15.2	15.7	16.2	17.5	14.0	14.4	15.0	15.5	16.8
	8H	14.7	15.2	15.7	16.2	17.5	14.1	14.5	15.1	15.5	16.9
	12H	14.7	15.1	15.8	16.2	17.5	14.2	14.6	15.2	15.6	17.0
8H	4H	14.5	14.9	15.5	15.9	17.3	13.7	14.1	14.7	15.1	16.5
	6H	14.7	15.0	15.7	16.1	17.5	14.0	14.4	15.1	15.4	16.8
	8H	14.7	15.1	15.8	16.1	17.5	14.2	14.5	15.2	15.5	16.9
	12H	14.8	15.1	15.8	16.1	17.5	14.3	14.5	15.3	15.6	17.0
12H	4H	14.4	14.8	15.4	15.8	17.2	13.6	14.0	14.7	15.0	16.4
	6H	14.6	15.0	15.7	16.0	17.4	14.0	14.3	15.0	15.3	16.7
	8H	14.7	15.0	15.8	16.0	17.4	14.1	14.4	15.2	15.5	16.9

Maximum UGR = 17.5

POLAR GRAPH



Maximum Candela = 940.94 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)