

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX22LEDLX-100L35KE1-PR22-CFG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Aug 12 2016

[UPDATE] Thu May 24 2017

[TEST] SP-00525_4_m

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX22LEDLX-100L-35K-E1-PR22-CFG

[LUMINAIRE] LED Prismatic Tech Pendant with Center Frosted Glass Disc

[OTHER] 22" Diam. clear acrylic refractor

[OTHER] 28" Diam. Sodalime Glass disc, with 22" Diam. Frosted Center Pattern

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7388
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	81.06
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.00
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	1.33 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3042	2999	3021
55	1454	1458	1443
65	729	711	716
75	406	407	423
85	325	314	306

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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	5327.93	5327.93	5327.93	5327.93	5327.93
5	5450.44	5360.38	5353.24	5351.03	5392.50
10	5336.62	5309.72	5353.77	5332.22	5294.61
15	5093.44	5027.90	5034.43	5093.40	5076.39
20	4627.66	4633.61	4608.86	4575.57	4585.69
25	3992.64	3995.24	3964.70	3965.59	3918.24
30	3148.37	3138.22	3159.24	3141.43	3122.10
35	2328.81	2328.76	2341.91	2325.42	2289.90
40	1570.27	1561.40	1563.15	1563.03	1557.35
45	1017.05	1015.43	1002.71	1006.57	1009.96
50	677.44	685.85	689.03	688.55	674.78
55	475.33	475.26	476.73	476.06	472.00
60	318.98	326.27	321.46	320.35	324.12
65	225.81	224.39	220.32	217.42	221.73
70	157.32	156.93	153.76	157.52	154.68
75	115.00	114.76	115.29	113.48	119.61
80	97.67	99.27	100.10	99.39	100.53
85	80.64	76.18	77.92	77.07	75.81
90	43.27	43.72	44.22	41.96	43.85
95	56.21	54.66	54.83	53.43	54.04
100	74.98	74.05	72.01	74.09	70.23
105	80.16	78.81	77.75	79.86	76.17
110	75.46	74.80	74.54	78.98	79.47
115	67.80	66.74	69.42	65.84	64.95
120	66.91	66.54	68.62	68.14	67.32
125	73.62	75.83	75.46	73.75	74.07
130	79.34	80.58	80.41	79.30	78.40
135	85.64	88.25	88.15	87.68	85.14
140	104.16	103.15	103.16	99.12	100.59
145	111.88	116.57	111.92	112.23	108.66
150	128.05	126.06	121.37	122.07	128.55
155	133.56	132.68	135.28	135.46	131.56
160	125.39	121.24	124.67	121.60	123.49
165	101.74	107.14	106.66	103.28	100.20
170	110.01	98.66	102.83	102.25	97.37
175	101.88	95.87	99.02	99.59	91.57
180	101.74	101.74	101.74	101.74	101.74

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1923.51	N.A.	26.00
0-30	3723.27	N.A.	50.40
0-40	5177.64	N.A.	70.10
0-60	6433.03	N.A.	87.10
0-80	6789.19	N.A.	91.90
0-90	6870.29	N.A.	93.00
10-90	6359.63	N.A.	86.10
20-40	3254.13	N.A.	44.00
20-50	4072.81	N.A.	55.10
40-70	1483.21	N.A.	20.10
60-80	356.16	N.A.	4.80
70-80	128.34	N.A.	1.70
80-90	81.10	N.A.	1.10
90-110	142.66	N.A.	1.90
90-120	211.75	N.A.	2.90
90-130	278.25	N.A.	3.80
90-150	417.83	N.A.	5.70
90-180	518.01	N.A.	7.00
110-180	375.34	N.A.	5.10
0-180	7388.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	510.66
10-20	1412.85
20-30	1799.76
30-40	1454.37
40-50	818.69
50-60	436.71
60-70	227.81
70-80	128.34
80-90	81.10
90-100	61.50
100-110	81.17
110-120	69.09
120-130	66.49
130-140	68.83
140-150	70.75
150-160	59.66
160-170	30.99
170-180	9.53

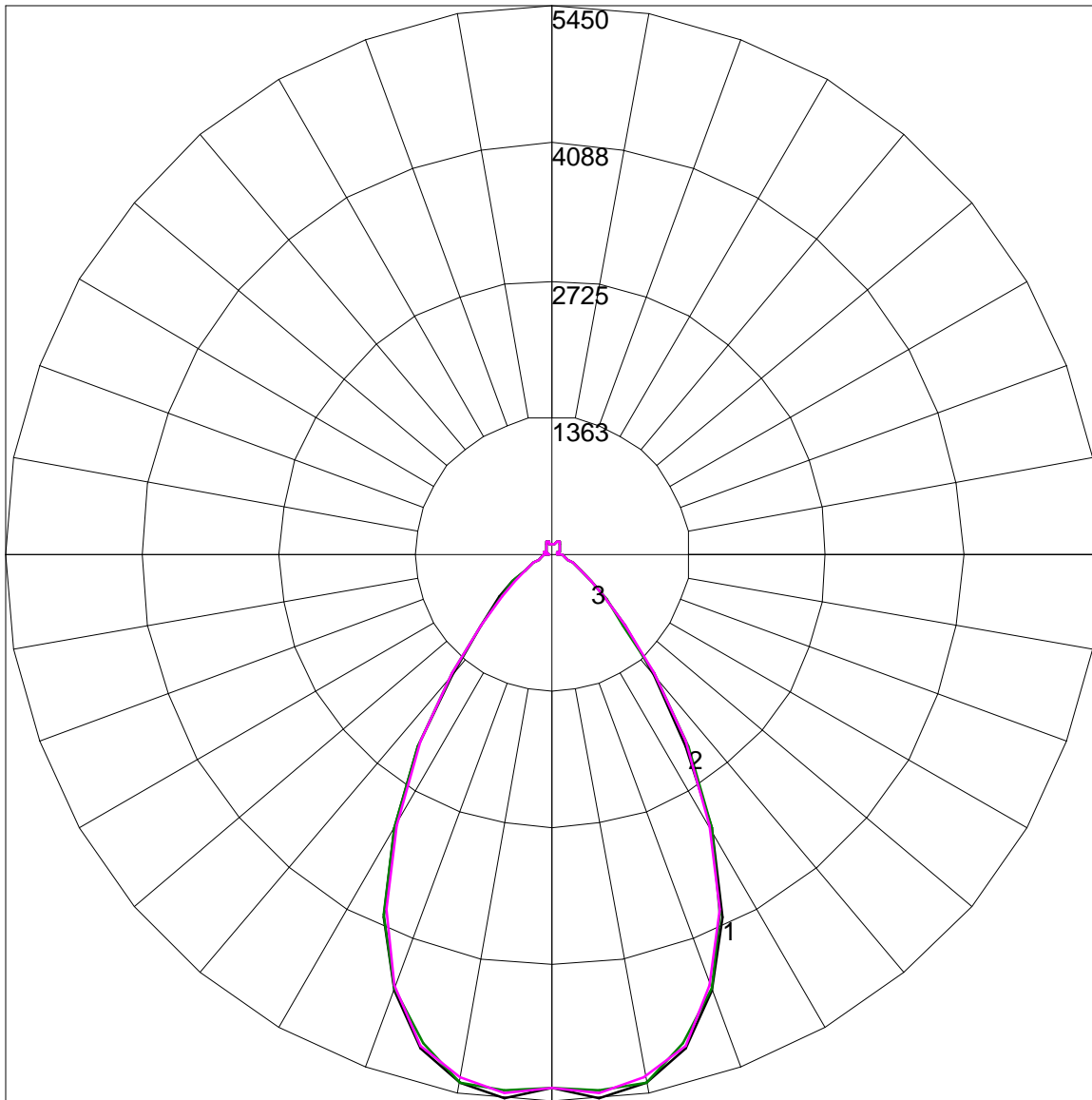
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	110	106	103	100	107	104	101	98	98	96	94	93	91	90	89	87	86	84
2	103	97	92	88	100	94	90	86	90	86	83	86	83	80	82	80	77	75
3	96	88	82	77	94	86	81	76	83	78	74	79	75	72	76	73	70	68
4	90	81	74	69	88	79	73	68	76	71	67	73	69	65	71	67	64	62
5	85	75	68	62	82	73	67	62	70	65	61	68	63	59	66	62	58	56
6	79	69	62	57	77	68	61	56	65	60	55	63	58	54	61	57	53	52
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	57	53	49	48
8	71	60	53	48	69	59	52	47	57	51	47	55	50	46	54	49	46	44
9	67	56	49	44	65	55	48	44	53	47	43	52	47	43	50	46	42	41
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	47	43	39	38

POLAR GRAPH



Maximum Candela = 5450.44 Located At Horizontal Angle = 0, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)