IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-RA-XXX-XXX_3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM BALLABS TEST NO. 19323.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 28-APR-2016
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 2-22" LED ARRAYS 1x4'RECESSED LUMINAIRE
[MORE] WHITE REFLECTOR w/WHITE RIBBED ACRYLIC LENS
[MORE] EVERLINE DRIVER #D10CC55UNVTZ-C LABELED 871mA
[LUMCAT] PT-14-L50-8FS-RA-xxx-xxx
[LAMPCAT] M10CC835D56N2A
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor, Architectural, Office, Direct
[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.94 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4650	4857	4928
55	4104	4510	4701
65	3572	4233	4343
75	2595	3636	3790
85	1183	1946	2289

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-RA-XXX-XXX_3500K.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1810.784	1810.784	1810.784	1810.784	1810.784
5	1851.680	1838.048	1831.232	1814.192	1803.968
10	1819.872	1809.648	1806.240	1788.064	1778.976
15	1769.888	1760.800	1765.344	1743.760	1743.760
20	1698.320	1694.912	1702.864	1682.416	1689.232
25	1618.800	1610.848	1626.752	1611.984	1607.440
30	1525.648	1510.880	1533.600	1525.648	1523.376
35	1408.640	1397.280	1426.816	1421.136	1427.952
40	1272.320	1270.048	1301.856	1306.400	1300.720
45	1123.504	1126.912	1173.488	1183.712	1190.528
50	965.600	982.640	1031.488	1056.480	1056.480
55	804.288	836.096	883.808	932.656	921.296
60	658.880	686.144	742.944	782.704	777.024
65	515.744	539.600	611.168	639.568	627.072
70	368.064	412.368	471.440	485.072	479.392
75	229.472	288.544	321.488	335.120	335.120
80	117.008	171.536	184.032	194.256	186.304
85	35.216	67.024	57.936	63.616	68.160
90	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-RA-XXX-XXX_3500K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	668.68	N.A.	13.50
0-30	1413.04	N.A.	28.40
0-40	2297.56	N.A.	46.20
0-60	3977.52	N.A.	80.00
0-80	4888.47	N.A.	98.40
0-90	4968.89	N.A.	100.00
10-90	4795.58	N.A.	96.50
20-40	1628.88	N.A.	32.80
20-50	2523.44	N.A.	50.80
40-70	2264.53	N.A.	45.60
60-80	910.95	N.A.	18.30
70-80	326.38	N.A.	6.60
80-90	80.42	N.A.	1.60
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	4968.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.31
10-20	495.37
20-30	744.36
30-40	884.53
40-50	894.55
50-60	785.40
60-70	584.57
70-80	326.38
80-90	80.42
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

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-RA-XXX-XXX_3500K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

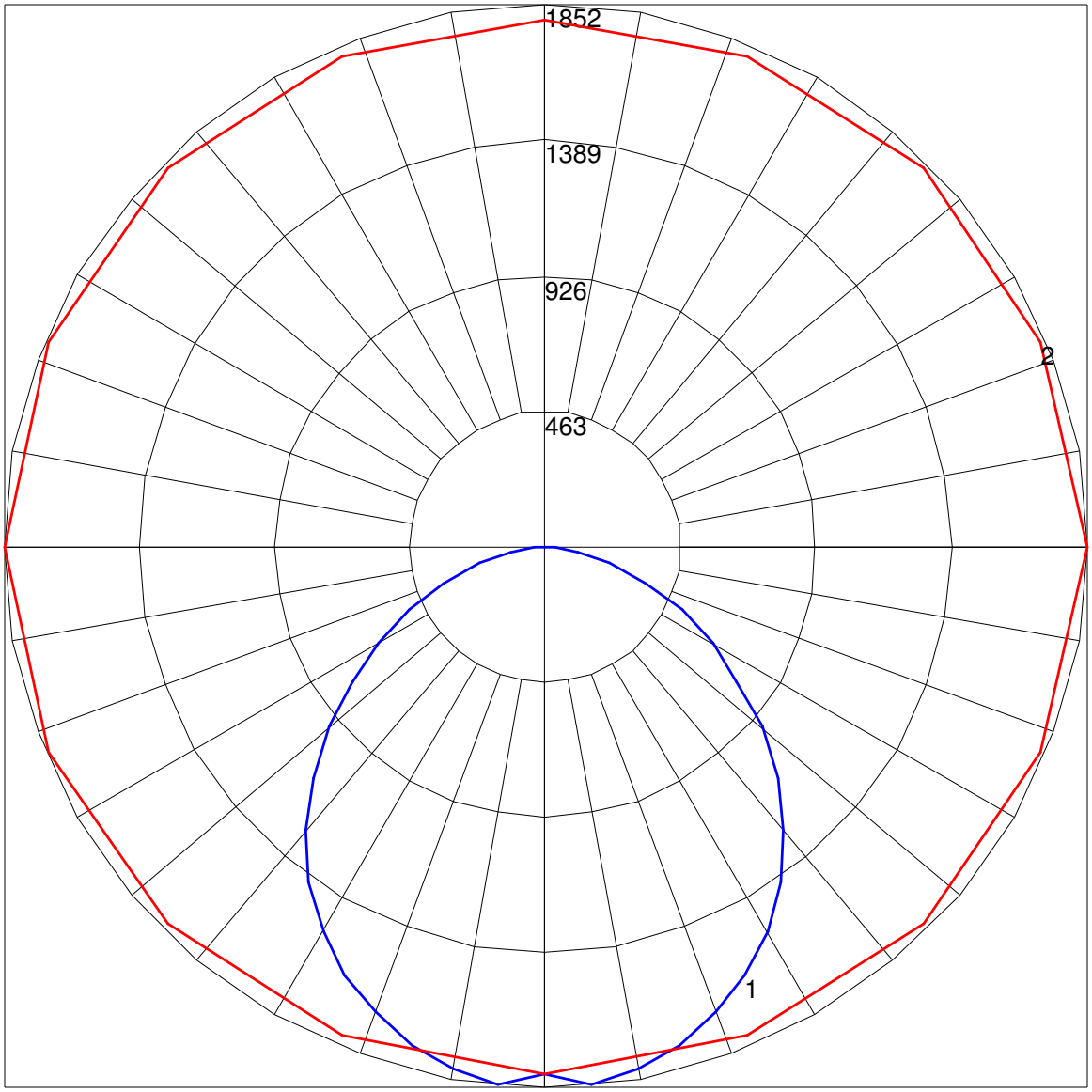
Effective Floor Cavity Reflectance 0.20

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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	78	71	65	76	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-RA-XXX-XXX_3500K.IES

POLAR GRAPH



Maximum Candela = 1851.68 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)