

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TDLP 2X4 2L T528 P40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[ISSUE DATE] 10-16-2008
[MANUFACTURER] VISIONEERING CORP
[LOCATION] TORONTO ON
[LUMINAIRE] TDLP 2x4 2L -T5 PUNV-P40
[LUMINAIRE] VISIONEERING RECESSED DIRECT/INDIRECT T-BAR LUMINAIRE
[MORE] POST-PAINTED EASY WHITE INTERIOR/REFLECTOR
[MORE] WITH FROSTED LINEAR RIBBED ACRYLIC LENS
[LAMP] TWO F28W/T5 FLUORESCENT LAMPS. LUMEN RATING = 2900 LMS.
[BALLAST] 1 2-LAMP UNV. ELECTRONIC BALLAST
[MORE] BALLAST FACTOR 1.03
[BALLASTCAT] ADVANCE (ICN-2S28)

CHARACTERISTICS

Total Rated Lamp Lumens	5800 (2 lamps)
Total Luminaire Efficiency	80.5 %
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	66
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.96
Spacing Criteria (90-270)	2.30
Spacing Criteria (Diagonal)	2.08
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 ft
Luminous Width (90-270)	1.87 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	759	2413	2858
55	818	2695	3242
65	839	3111	3706
75	694	3694	4355
85	458	4463	4391

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TDLP 2X4 2L T528 P40.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	740.40	740.40	740.40	740.40	740.40
5	688.75	780.41	836.94	924.65	949.68
10	658.88	836.89	984.94	1090.75	1134.35
15	624.87	876.27	1095.57	1202.88	1269.82
20	579.40	891.65	1161.12	1267.28	1281.44
25	508.26	890.51	1203.64	1297.4	1329.88
30	459.79	871.13	1204.56	1315.31	1353.33
35	421.02	854.59	1194.1	1324.85	1345.01
40	396.76	814.02	1171.45	1299.03	1360.65
45	358.91	755.83	1140.79	1286.82	1351.39
50	338.13	699.01	1089.84	1261.04	1299.68
55	313.75	630.35	1033.57	1205.25	1243.2
60	282.09	565.21	974.96	1109.94	1141.69
65	237.14	504.07	879.11	1012.33	1047.16
70	177.38	435.42	766.53	891.56	928.99
75	120.14	344.68	639.31	734.36	753.63
80	66.10	258.51	492.71	552.84	567.47
85	26.70	139.65	260.06	265.07	255.90
90	6.53	29.97	38.42	21.18	19.97

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TDLP 2X4 2L T528 P40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	869.96	15	18.6
0-40	1536.07	26.5	32.9
0-60	3128.83	53.9	67
0-90	4671.06	80.5	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	4671.06	80.5	100

Total Luminaire Efficiency = 80.5%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.02
10-20	290.12
20-30	496.82
30-40	666.11
40-50	779.11
50-60	813.65
60-70	748.77
70-80	566.38
80-90	227.08
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

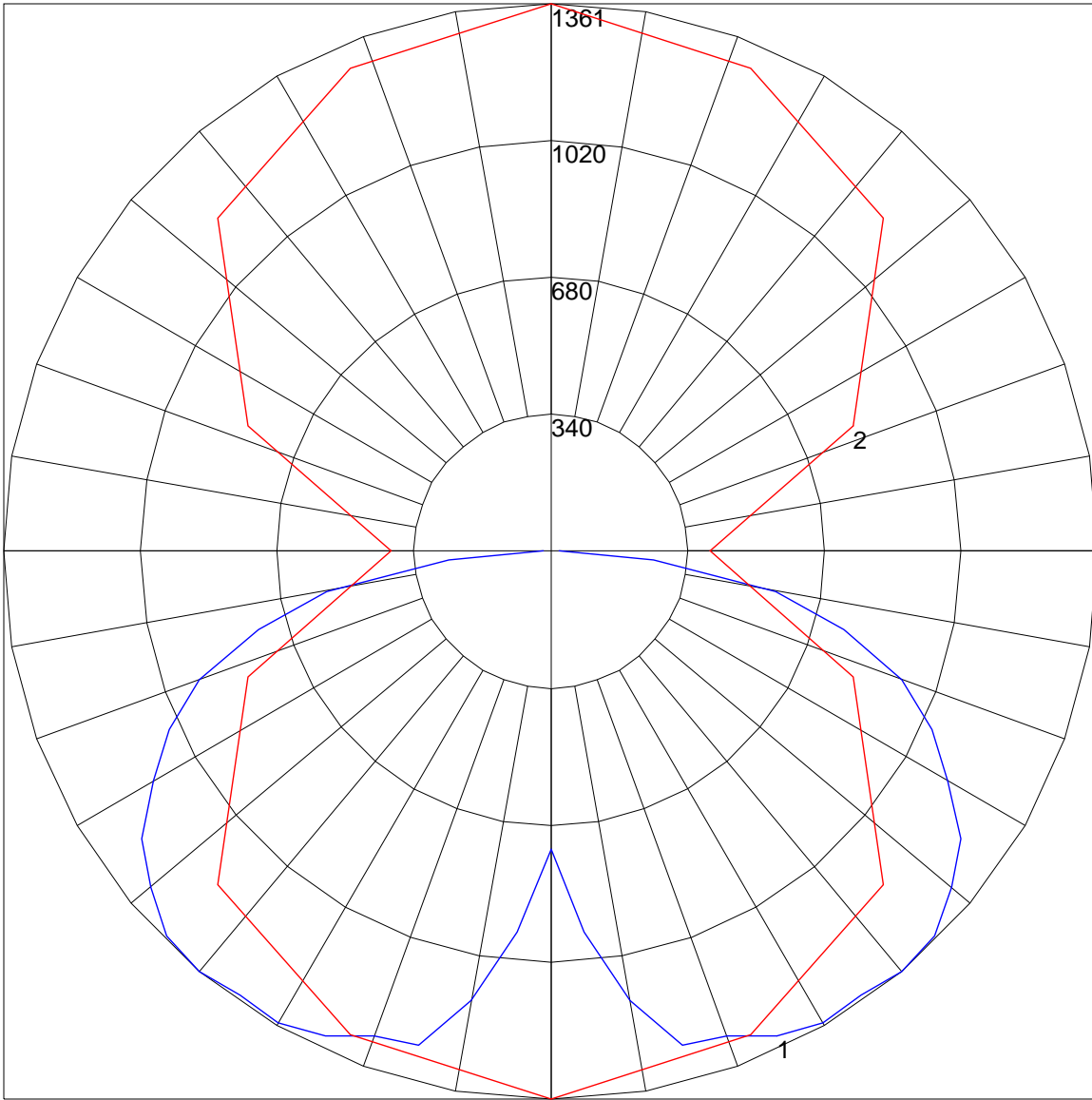
IES INDOOR REPORT
PHOTOMETRIC FILENAME : TDLP 2X4 2L T528 P40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	96	96	96	96	94	94	94	94	89	89	89	86	86	86	82	82	82	81
1	85	81	76	73	83	79	75	71	75	72	69	72	69	67	69	67	65	63
2	76	68	62	56	74	67	61	56	64	59	54	61	57	53	59	55	52	50
3	69	59	51	45	67	58	50	45	55	49	44	53	47	43	50	46	42	40
4	62	51	43	37	60	50	43	37	48	41	36	46	40	36	44	39	35	33
5	57	45	37	31	55	44	37	31	42	36	31	41	35	30	39	34	30	28
6	52	40	32	27	50	39	32	26	38	31	26	36	30	26	35	30	26	24
7	48	36	28	23	47	35	28	23	34	28	23	33	27	23	32	26	22	21
8	45	33	25	20	43	32	25	20	31	25	20	30	24	20	29	24	20	18
9	41	30	23	18	40	29	23	18	28	22	18	27	22	18	27	21	18	16
10	39	27	21	16	38	27	20	16	26	20	16	25	20	16	25	19	16	14

POLAR GRAPH



Maximum Candela = 1360.65 Located At Horizontal Angle = 90, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)