



380 SERIES

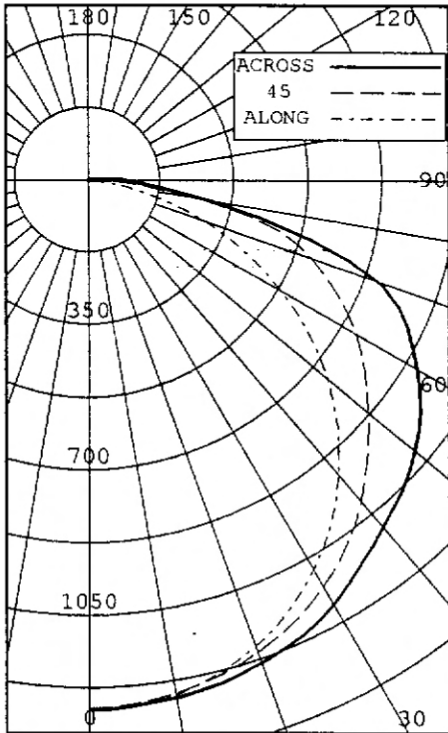
EXPLOSION PROOF

CERTIFIED TEST REPORT No. 20717

LDPI LIGHTING - EXPLOSION PROOF LUMINAIRE, CAT# 380-T8-2L-4-UNV
 WITH WHITE REFLECTOR AND CLEAR GLASS TUBE LENS
 TWO PHILIPS 32 WATT T8 LAMPS, CAT# F32T8/TL841. LUMEN RATING = 2950 LMS.
 ONE ADVANCE ICN-2P32-SC-HAZ BALLAST OPERATING AT 120 VAC AND 56 WATTS

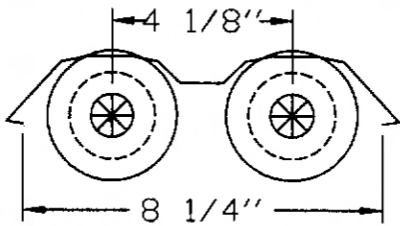
INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

ANGLE	ALONG 22.5	45	67.5	ACROSS	
0	1275	1275	1275	1275	1275
5	1273	1266	1267	1272	1273
15	1228	1224	1233	1247	1253
25	1137	1141	1169	1198	1210
35	1004	1021	1070	1113	1131
45	837	868	937	1018	1054
55	638	683	802	919	963
65	418	482	656	784	834
75	196	297	473	531	543
85	26	88	120	144	157
90	0	17	47	71	83
95	0	1	8	20	27
105	0	0	0	1	1
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0



ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1010	17.12	23.30
0-40	1678	28.44	38.71
0-60	3119	52.88	71.97
0-90	4317	73.18	99.60
40-90	2639	44.74	60.89
60-90	1197	20.30	27.64
90-180	17	0.29	0.40
0-180	4334	73.47	100.00

** EFFICIENCY: 73.5% **



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	4633	5204	5853
55	4351	5492	6595
65	3871	6093	7754
75	2957	7168	8248
85	1153	5421	7070

S/MH: 1.4
 SC (ALONG): 1.3, SC (ACROSS): 1.4

CERTIFIED BY: *Tan Levin* DATE: DEC 16, 2005
 PREPARED FOR: LDPI LIGHTING
 EAU CLAIRE, WI

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	1275	1275	1275	1275	1275	1275	
5	1273	1266	1267	1272	1273	1269	123
10	1256	1250	1254	1262	1265	1256	
15	1228	1224	1233	1247	1253	1236	349
20	1188	1187	1204	1226	1235	1207	
25	1137	1141	1169	1198	1210	1170	539
30	1076	1085	1124	1162	1176	1124	
35	1004	1021	1070	1113	1131	1068	668
40	925	950	1008	1063	1091	1007	
45	837	868	937	1018	1054	942	727
50	741	778	868	972	1012	874	
55	638	683	802	919	963	801	715
60	530	581	733	855	900	721	
65	418	482	656	784	834	637	629
70	305	391	571	703	745	548	
75	196	297	473	531	543	418	432
80	98	204	290	302	309	250	
85	26	88	120	144	157	111	136
90	0	17	47	71	83	44	
95	0	1	8	20	27	10	17
100	0	0	1	3	4	2	
105	0	0	0	1	1	0	0
110	0	0	0	0	0	0	
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	



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AVERAGE LUMINANCE DATA

ANGLE	CD./SQ.M. (FOOTLAMBERTS)				
	ALONG	22.5	45	67.5	ACROSS
0	4989 (1456)	4989 (1456)	4989 (1456)	4989 (1456)	4989 (1456)
30	4863 (1419)	4919 (1435)	5091 (1486)	5264 (1536)	5315 (1551)
40	4724 (1378)	4866 (1420)	5156 (1505)	5445 (1589)	5574 (1626)
45	4633 (1352)	4813 (1404)	5204 (1518)	5651 (1649)	5853 (1708)
50	4510 (1316)	4755 (1388)	5287 (1543)	5936 (1732)	6164 (1799)
55	4351 (1270)	4672 (1363)	5492 (1603)	6288 (1835)	6595 (1924)
60	4145 (1209)	4564 (1332)	5741 (1675)	6709 (1958)	7047 (2056)
65	3871 (1130)	4469 (1304)	6093 (1778)	7283 (2125)	7754 (2263)
70	3491 (1019)	4490 (1310)	6556 (1913)	8067 (2354)	8521 (2487)
75	2957 (863)	4514 (1317)	7168 (2092)	8063 (2353)	8248 (2407)
80	2210 (645)	4624 (1349)	6551 (1912)	6815 (1989)	6971 (2034)
85	1153 (336)	3948 (1152)	5421 (1582)	6502 (1897)	7070 (2063)



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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR	0	0.890	0.890	0.890	0.89	0.870	0.870	0.870	0.87	0.850	0.850	0.850	0.85	0.810	0.810	0.81	0.780	0.780	0.78	0.750	0.750	0.75	0.73		
	1	0.820	0.770	0.740	0.71	0.800	0.760	0.730	0.70	0.770	0.740	0.710	0.68	0.710	0.680	0.66	0.680	0.660	0.64	0.650	0.640	0.62	0.61		
	2	0.740	0.670	0.620	0.57	0.720	0.660	0.610	0.56	0.700	0.640	0.590	0.55	0.620	0.580	0.54	0.590	0.560	0.53	0.570	0.540	0.52	0.50		
	3	0.670	0.590	0.520	0.47	0.650	0.580	0.510	0.47	0.640	0.560	0.510	0.46	0.540	0.490	0.45	0.520	0.480	0.44	0.500	0.470	0.44	0.42		
	4	0.610	0.520	0.450	0.39	0.600	0.510	0.440	0.39	0.580	0.500	0.440	0.39	0.480	0.420	0.38	0.460	0.410	0.38	0.440	0.400	0.37	0.35		
	5	0.560	0.460	0.380	0.33	0.540	0.450	0.380	0.33	0.530	0.440	0.370	0.32	0.420	0.360	0.32	0.410	0.350	0.32	0.390	0.350	0.31	0.30		
	6	0.520	0.400	0.330	0.28	0.500	0.400	0.330	0.28	0.480	0.390	0.320	0.28	0.380	0.320	0.27	0.360	0.310	0.27	0.350	0.300	0.27	0.25		
	7	0.470	0.360	0.290	0.25	0.460	0.360	0.290	0.24	0.450	0.350	0.290	0.24	0.340	0.280	0.24	0.330	0.270	0.23	0.320	0.270	0.23	0.22		
	8	0.430	0.320	0.260	0.21	0.420	0.320	0.250	0.21	0.410	0.310	0.250	0.21	0.300	0.250	0.21	0.290	0.240	0.20	0.280	0.240	0.20	0.19		
	9	0.400	0.290	0.220	0.18	0.390	0.290	0.220	0.18	0.380	0.280	0.220	0.18	0.270	0.220	0.18	0.260	0.210	0.18	0.260	0.210	0.17	0.16		
	10	0.370	0.260	0.200	0.16	0.360	0.260	0.200	0.16	0.350	0.250	0.200	0.16	0.250	0.190	0.16	0.240	0.190	0.15	0.230	0.190	0.15	0.14		

LUMINAIRE INPUT WATTS = 56.0

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
 LUMINOUS OPENING OF LUMINAIRE.