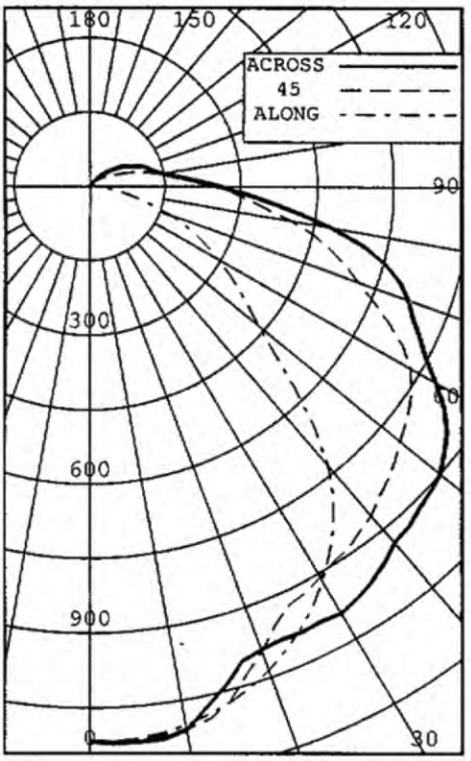
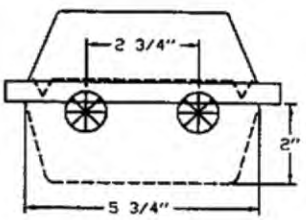
376 SERIES
WET/DAMP LOCATIONS

CERTIFIED TEST REPORT No. 20712

LDPI LIGHTING - WET/DAMP LOCATION LUMINAIRE, CAT# 376-T8-2L-4-UNV-PD
WITH WHITE INTERIOR AND PRISMATIC PLASTIC WRAP 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 54 WATTS





INTENSITY (CANDLEPOWER) SUMMARY

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	1116	1116	1116	1116	1116	
5	1116	1113	1116	1121	1122	108
15	1075	1076	1072	1043	1040	298
25	982	960	929	969	989	444
35	836	807	889	951	970	555
45	572	700	831	899	917	613
55	361	562	769	864	858	625
65	234	430	653	731	717	567
75	112	278	494	619	603	458
85	31	147	317	396	357	293
90	15	119	258	301	256	
95	10	99	196	223	190	170
105	9	34	110	139	126	94
115	4	13	55	87	94	52
125	1	3	31	55	61	27
135	0	0	11	28	34	11
145	0	0	1	6	10	2
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	850	14.41	19.69
0-40	1405	23.81	32.54
0-60	2643	44.80	61.22
0-90	3961	67.14	91.74
40-90	2556	43.33	59.20
60-90	1318	22.34	30.53
90-180	356	6.04	8.26
0-180	4317	73.18	100.00

** EFFICIENCY: 73.2% **

LUMINANCE SUMMARY - CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	4195	4988	5206
55	3213	5212	5407
65	2749	5263	5260
75	2029	5087	5489
85	1297	4748	4451

PAINT REFLECTANCE: 0.85 , S/MH: 1.3
SC(ALONG): 1.2, SC(ACROSS): 1.3

CERTIFIED BY:
Jon Donegan
DATE:
DEC 7, 2005

PREPARED FOR:
LDPI LIGHTING
EAU CLAIRE, WI

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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INTENSITY(CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	LUMENS
0	1116	1116	1116	1116	1116	1116	
5	1116	1113	1116	1121	1122	1117	108
10	1101	1100	1109	1113	1110	1107	
15	1075	1076	1072	1043	1040	1062	298
20	1035	1041	994	979	992	1007	
25	982	960	929	969	989	961	444
30	917	869	907	965	991	924	
35	836	807	889	951	970	888	555
40	730	755	864	922	934	843	
45	572	700	831	899	917	794	613
50	437	630	797	886	900	745	
55	361	562	769	864	858	701	625
60	295	500	729	809	787	645	
65	234	430	653	731	717	572	567
70	171	348	566	677	669	503	
75	112	278	494	619	603	437	458
80	65	212	406	517	487	353	
85	31	147	317	396	357	263	293
90	15	119	258	301	256	203	
95	10	99	196	223	190	155	170
100	8	60	142	170	148	113	
105	9	34	110	139	126	88	94
110	6	21	78	112	115	68	
115	4	13	55	87	94	51	52
120	2	7	40	73	79	40	
125	1	3	31	55	61	30	27
130	0	0	21	40	46	21	
135	0	0	11	28	34	14	11
140	0	0	4	16	21	8	
145	0	0	1	6	10	3	2
150	0	0	0	2	3	1	
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

CD./SQ.M. (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	6019(1756)	6019(1756)	6019(1756)	6019(1756)	6019(1756)
30	5578(1628)	4938(1441)	4888(1426)	5043(1472)	5138(1499)
40	4967(1449)	4663(1361)	4947(1444)	5073(1480)	5089(1485)
45	4195(1224)	4566(1332)	4988(1455)	5143(1501)	5206(1519)
50	3495(1020)	4408(1286)	5040(1471)	5316(1551)	5337(1557)
55	3213(937)	4258(1242)	5212(1521)	5501(1605)	5407(1578)
60	2979(869)	4180(1220)	5336(1557)	5523(1612)	5293(1545)
65	2749(802)	4021(1173)	5263(1536)	5435(1586)	5260(1535)
70	2431(709)	3746(1093)	5103(1489)	5558(1622)	5388(1572)
75	2029(592)	3556(1037)	5087(1484)	5733(1673)	5489(1602)
80	1632(476)	3358(980)	4949(1444)	5525(1612)	5087(1484)
85	1297(378)	3105(906)	4748(1385)	5074(1481)	4451(1299)

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50			30			10			0
RCR	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	0.88	0.88	0.88	0.88	0.86	0.86	0.86	0.86	0.83	0.83	0.83	0.83	0.78	0.78	0.78	0.73	0.73	0.73	0.69	0.69	0.69	0.67
1	0.79	0.75	0.71	0.67	0.77	0.73	0.69	0.66	0.74	0.70	0.67	0.64	0.66	0.63	0.61	0.62	0.60	0.58	0.59	0.57	0.55	0.53
2	0.71	0.64	0.59	0.53	0.69	0.62	0.57	0.52	0.67	0.60	0.55	0.51	0.57	0.53	0.49	0.53	0.50	0.47	0.50	0.47	0.45	0.43
3	0.65	0.56	0.49	0.44	0.63	0.54	0.48	0.43	0.60	0.53	0.47	0.42	0.50	0.45	0.41	0.47	0.43	0.39	0.44	0.41	0.38	0.36
4	0.59	0.49	0.42	0.37	0.57	0.48	0.41	0.36	0.55	0.47	0.40	0.35	0.44	0.38	0.34	0.41	0.37	0.33	0.39	0.35	0.32	0.30
5	0.54	0.43	0.36	0.30	0.52	0.42	0.35	0.30	0.50	0.41	0.34	0.29	0.39	0.33	0.29	0.36	0.31	0.28	0.34	0.30	0.27	0.25
6	0.50	0.39	0.31	0.26	0.48	0.37	0.31	0.26	0.46	0.36	0.30	0.25	0.34	0.29	0.24	0.33	0.28	0.24	0.31	0.26	0.23	0.21
7	0.45	0.34	0.27	0.23	0.44	0.34	0.27	0.22	0.42	0.33	0.26	0.22	0.31	0.25	0.21	0.29	0.24	0.21	0.28	0.23	0.20	0.18
8	0.42	0.31	0.24	0.19	0.40	0.30	0.24	0.19	0.39	0.29	0.23	0.19	0.28	0.22	0.18	0.26	0.21	0.18	0.25	0.21	0.17	0.16
9	0.39	0.28	0.21	0.17	0.37	0.27	0.21	0.16	0.36	0.26	0.20	0.16	0.25	0.20	0.16	0.24	0.19	0.15	0.23	0.18	0.15	0.13
10	0.36	0.25	0.19	0.15	0.35	0.25	0.18	0.14	0.33	0.24	0.18	0.14	0.23	0.18	0.14	0.22	0.17	0.13	0.21	0.16	0.13	0.12

LUMINAIRE INPUT WATTS = 54.0

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.