

Luminaire	Location Summary	X	Y	Z	Orient	Tilt
1	T20W	438.8	160.4	6	130	5
2	T20W	457.173	492.882	6	216.466	5
3	T20W	92.8	433.4	6	198	5
4	T20W	457.8	420.3	6	320	5
5	T20W	423.6	394.8	6	134	5
6	T20W	437.4	381.5	6	137.6	5
7	T20W	114.8	375.6	6	23	5
8	T20W	375.8	365.8	6	117	5
9	T20W	366.2	352.3	6	301	5
10	T20W	353.162	350.483	6	118	5
11	T20W	219.888	340.216	6	18.708	5
12	T20W	281.8	338.3	6	90	5
13	T20W	355.57	334.062	6	286.459	5
14	T20W	142	328.8	6	205.5	5
15	T20W	288.528	325.746	6	268.963	5
16	T20W	249.151	328.585	6	272.769	5
17	T20W	319.8	328.5	6	205	5
18	T20W	424.8	328.7	6	190	5
19	T20W	214.9	319.4	6	101.5	5
20	T20W	469.2	314.2	6	120	5
21	T20W	198.7	314.8	6	120	5
22	T20W	335.66	297.973	6	205	5
23	T20W	428.8	295.9	6	110	5
24	T20W	202.2	291.9	6	78	5
25	T20W	219.838	286.609	6	79.007	5
26	T20W	185.5	285.9	6	172	5
27	T20W	371.5	281	6	108	5
28	T20W	113.5	277.5	6	122	5
29	T20W	278.217	277.068	6	81.34	5
30	T20W	335.16	276.856	6	88.299	5
31	T20W	99.2	269.6	6	204.1	5
32	T20W	374.8	228.8	6	205	5
33	T20W	390.9	190.5	6	205	5
34	T20W	411.5	151.6	6	205	5
35	T20W	242.173	281.373	6	352.909	5
36	T20W	436.717	518.229	6	206.685	5
37	T20W	359.518	275.523	6	173.513	5
38	T20W	401.3	415.4	6	206	5
39	T20W	433.3	471.4	6	40	5
40	T20W	424.8	465.1	6	310.365	5
41	T20W	333.1	449.3	6	296	5
42	T20W	534.1	347.3	6	215	5
43	T20W	204.5	157.953	6	86	5
44	T20W	230.876	154.503	6	86	5
45	T20W	261	154.6	6	86	5
46	T20W	285	151.4	6	85	5
47	T20W	302.912	149.261	6	85	5
48	T20W	327.303	147.268	6	85	5
49	T20W	134.4	96.2	6	25	5
50	T20W	141.628	260.487	6	299.134	5
51	T20W	244.931	338.932	6	302	5
52	T20W	308.678	356.057	6	23	5
53	T20W	409.1	443.7	6	305	5
54	T20W	349.4	424.4	6	205.504	5
55	T20W	385.8	421.2	6	298	5
56	T20W	269.7	418.3	6	208.346	5
57	T20W	268.5	408.5	6	208	5
58	T20W	199.2	397.6	6	25	5
59	T20W	284.4	396.7	6	197	5
60	T20W	360.9	394.8	6	118	5
61	T20W	84.8	381.9	6	120	5
62	T20W	322.9	389	6	291	5
63	T20W	390.1	382.4	6	222.669	5
64	T20W	137.2	381.7	6	208	5
65	T20W	250.2	374	6	289	5
66	T20W	47.4	372.4	6	120	5
67	T20W	265	369.1	6	101	5
68	T20W	423.9	367	6	256.144	5
69	T20W	212.4	357.7	6	298	5
70	T20W	457.1	356.3	6	239	5
71	T20W	148.2	352.5	6	203.587	5
72	T20W	500.1	349	6	303	5
73	T20W	172	338.5	6	298	5
74	T20W	486.4	332.7	6	222.669	5
75	T20W	515.3	328.3	6	125	5
76	T20W	141.1	318.2	6	310	5
77	T20W	569.8	318.7	6	229	5
78	T20W	478.8	303.2	6	290	5
79	T20W	102.5	293.8	6	295	5
80	T20W	535.3	283.2	6	220	5
81	T20W	398.987	270.092	6	290	5
82	T20W	442.7	263.9	6	21.069	5
83	T20W	83.9	255.3	6	203.236	5
84	T20W	263	253.2	6	356	5
85	T20W	347.1	252.2	6	113.152	5
86	T20W	280.7	250.8	6	177	5
87	T20W	341.5	238.4	6	168	5
88	T20W	120.5	234.8	6	115	5
89	T20W	224.5	232.2	6	85	5
90	T20W	199.9	230.6	6	205	5
91	T20W	574.8	229.6	6	211	5
92	T20W	256.5	228.1	6	85	5
93	T20W	264.4	223.7	6	82	5
94	T20W	83.8	217.7	6	115	5
95	T20W	356.7	212.9	6	25	5
96	T20W	543	211.2	6	208	5
97	T20W	369.7	208.6	6	200	5
98	T20W	476.8	199.8	6	115	5
99	T20W	258.4	196.1	6	355	5
100	T20W	274.7	194.2	6	177	5
101	T20W	178.5	192	6	295	5
102	T20W	371.3	186.4	6	25	5
103	T20W	437.3	182.5	6	115	5
104	T20W	134.888	174.99	6	26.965	5
105	T20W	156.164	170.299	6	115.001	5
106	T20W	384.7	162.6	6	115	5
107	T20W	185.3	149.8	6	26.965	5
108	T20W	358.8	145.9	6	115	5
109	T20W	211.347	129.755	6	115	5
110	T20W	314.8	125.3	6	115	5
111	T20W	189.8	115.9	6	115	5
112	T20W	276.2	107	6	115	5
113	T20W	162.2	82.7	6	25	5
114	T20W	246.4	80	6	205	5
115	T20W	178.2	46.6	6	25	5
116	T20W	333.186	221.099	6	105	5
117	T20W	135.149	152.895	6	26.965	5
118	T20W	53.694	335.953	6	31	5
119	T20W	73.34	294.481	6	28	5
120	T20W	27.139	377.731	6	31.452	5
121	T20W	201.466	259.67	6	355	5
122	T20W	218.223	257.499	6	177	5
123	T20W	436.721	266.72	6	290	5
124	T20W	558.672	254.688	6	211	5
125	T20W	423.007	421.739	6	44	5
126	T20W	435.491	433.537	6	220	5
127	T20W	454.791	231.384	6	57	5
128	T20W	176.8	36.893	6	80	5
129	T20W	365.641	249.346	6	116	5
130	T20W	143.365	268.53	6	382.334	5
131	T20W	421.29	483.737	6	23.938	5
132	T20W	217.415	372.42	6	208	5
133	T5F	773.9	366.7	6	325	0
134	T5F	780.1	333.5	6	325	0
135	T5F	747.7	316.7	6	320	0
136	T5F	733.5	304.5	6	311	0
137	T5F	714.5	288.6	6	311	0
138	T5F	691.5	279.6	6	296	0
139	T5F	668.3	263.8	6	295	0
140	T5F	640.3	262.1	6	295	0
141	T5F	614.4	241	6	295	0
142	T5F	588.4	229.7	6	295	0

Total Quantity: 142



Calculation Summary										
Description	Class (BS5489-1:2013)	Avg	Max	Min	Min/Avg	Min/Max	Units	PIBp/Lr	PIBp/Tb	# Pts
Entrance Road	P4	9.75	32.9	1.7	0.17	0.05	Lux	1.5	1.5	1463
Road 1	P4	4.52	17.3	0.8	0.18	0.05	Lux	1.5	1.5	9924
Road 2	P4	4.68	18.5	0.8	0.17	0.04	Lux	1.5	1.5	6071
Cycle/Pedestrian Routes	PS	3.43	11.4	0.4	0.12	0.04	Lux	1.6	1.5	1949
Path 1	PS	2.81	10.7	0.6	0.21	0.06	Lux	1.5	1.5	296
Path 2	PS	3.20	10.2	0.5	0.16	0.05	Lux	1.5	1.5	188
Light Spill 1		0.08	3.5	0.0	1.00	0.00	Lux	4	4	830
Light Spill 2		0.01	0.4	0.0	0.00	0.00	Lux	4	4	161

Luminaire Schedule									
Symbol	Qty	Label	Lum. Lumens	MF	S/P Ratio	Description	Filename		
80	T20W	3120	0.750	1.40	Tech 27w 16LED 500mA Street Optic Wide A8	STCAT1GLB-STW-IES			
15	T20W	3120	0.750	1.40	Tech 27w 16LED 500mA Forward Throw Optic A8	STCAT1GLB-FT-IES			
37	T20W	2660	0.120	1.40	Tech 20w 16LED 500mA Street Optic Wide A8	STCAT1GLA-IES			
10	T5F	6235	0.750	1.40	Tech 52w 32LED 500mA Forward Throw Optic A8	STCAT1GLA-FT-IES			

P3 JUN 19	DRAWING UPDATED TO SUIT COMMENTS	LW	PON	
P2 APR 19	DRAWING UPDATED TO SUIT NEW SITE LAYOUT	LW	PON	
REV	DATE	DESCRIPTION	DR	CK

Caldwell

ARCHITECT
FINN DESIGN

JOB
RESIDENTIAL DEVELOPMENT
BLACKROCK
DUNDALK, CO LOUTH

DRAWING
ELECTRICAL SERVICES INSTALLATION
PROPOSED STREET LIGHTING
INSTALLATION

DRAWING NO./REVISION
3889/E100 P3

SCALE/PRINTED AT	DATE	DRAWN	CHECKED
NTS/A1	NOV 18	LW	MB

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