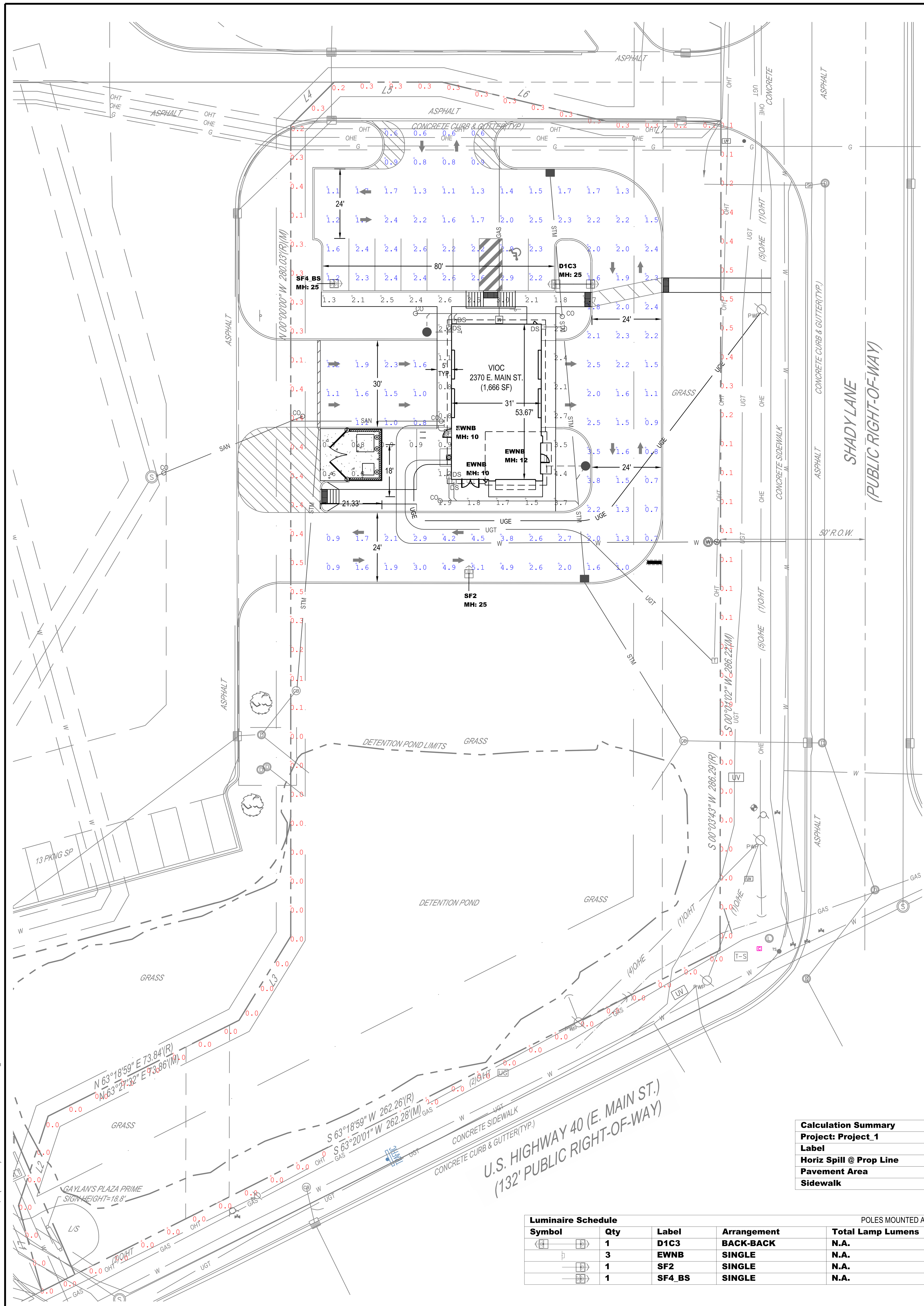
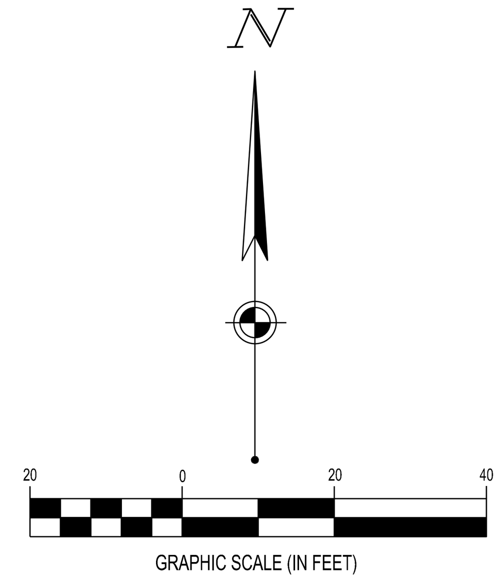




SITE ADDRESS: 2370 E MAIN ST
PLAINFIELD, IN 46168

PROPOSED SITE: VALVOLINE INSTANT OIL CHANGE

REFER TO THE SITE PLAN ON SHEET C4.0 FOR FEATURE LEGEND & DIMENSIONS

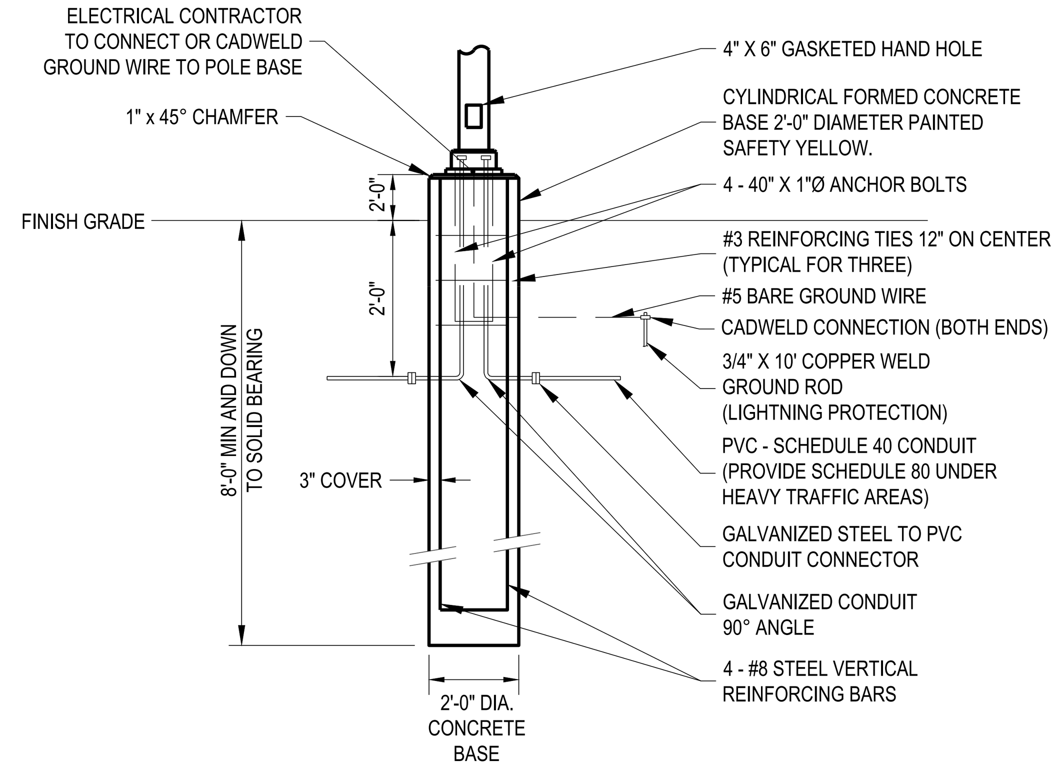
Ordering Number Logic

Evolve™ LED Area Light (EALP)

EALP 01 _ __ __ 7 __ _ _ __ ____ ___

PROD. ID	GENERATION	VOLTAGE	OPTICAL DISTRIBUTION CODE	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve AL = Area Light P = Premium	01 = 1st Generation	0 = 120-277* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480* * Not available with Fusing. Must choose a descreet voltage with F Option	SM = Symmetric Medium SW = Symmetric Wide AF = Asymmetric Forward AW = Asymmetric Wide AN = Asymmetric Narrow AA = Asymmetric Auto	7 = 70 (min)	30 = 3000K◇ 40 = 4000K 50 = 5000K ◇Select 3000K CCT for IDA Approved units	N = Dimming thru PE receptacle D = External Dimming 18/2 3ft cable All constructions supplied with ANSI C136.41 7-pin Receptacle Note: Standard dimming 0-10V	A = ANSI 7-pin PE receptacle (no control) D = ANSI 7-pin PE receptacle with shorting cap provided Note: See accessories section on page 7 for PE Control ordering	C1 = Integral Slip-fitter 2" Pipe (2.378 in. OD)* D1 = Universal Mounting Arm, fitted for round or square pole mounting** K1 = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon* ++ S1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon* ++ V1 = Knuckle Wall Mount* ++ * Supplied with leads ** Supplied with 16/3 3ft cable ++ Restricted Aiming Angle 0° to +45°	GRAY = Gray BLCK = Black DKBZ = Dark Bronze WHTE = White	F = Fusing H = Motion Sensor J = cUL/Canada L = Tool-Less Entry R = Enhanced Surge Protection (10kV/5kA) S1 = Rotated Left† S2 = Rotated Right† M = NOM031 (Mexico)* U = DALI dimming+^ V = 3-Position Terminal Block XXX = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 2.0 nodes ^ Not compatible at 347-480V or with motion sensor control † For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions. Left (S1) Pole / Right (S2) Pole

	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING B-U-G 3000K	BUG RATING B-U-G 4000K & 5000K	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
TYPE V	C5	Symmetric Medium	7500	8000	67	B3-U0-G2	B3-U0-G2	EALP01_C5SM730____.IES	EALP01_C5SM740____.IES	EALP01_C5SM750____.IES
TYPE V	D5	Symmetric Medium	9400	10000	89	B3-U0-G2	B3-U0-G2	EALP01_D5SM730____.IES	EALP01_D5SM740____.IES	EALP01_D5SM750____.IES
TYPE V	F5	Symmetric Medium	14100	15000	140	B4-U0-G2	B4-U0-G2	EALP01_F5SM730____.IES	EALP01_F5SM740____.IES	EALP01_F5SM750____.IES
TYPE V	H5	Symmetric Medium	18800	20000	183	B4-U0-G2	B4-U0-G2	EALP01_H5SM730____.IES	EALP01_H5SM740____.IES	EALP01_H5SM750____.IES
TYPE V	J5	Symmetric Medium	23500	25000	220	B5-U0-G3	B5-U0-G3	EALP01_J5SM730____.IES	EALP01_J5SM740____.IES	EALP01_J5SM750____.IES
TYPE V	K5	Symmetric Medium	28300	30000	274	B5-U0-G3	B5-U0-G3	EALP01_K5SM730____.IES	EALP01_K5SM740____.IES	EALP01_K5SM750____.IES
TYPE V	L5	Symmetric Medium	32800	33600	327	B5-U0-G4	B5-U0-G4	EALP01_L5SM730____.IES	EALP01_L5SM740____.IES	EALP01_L5SM750____.IES
TYPE V	M5	Symmetric Wide	8000	8500	67	B3-U0-G1	B3-U0-G1	EALP01_M5SW730____.IES	EALP01_M5SW740____.IES	EALP01_M5SW750____.IES
TYPE V	N5	Symmetric Wide	10000	10600	89	B3-U0-G1	B3-U0-G1	EALP01_N5SW730____.IES	EALP01_N5SW740____.IES	EALP01_N5SW750____.IES
TYPE V	Q5	Symmetric Wide	15100	16000	140	B3-U0-G2	B4-U0-G2	EALP01_Q5SW730____.IES	EALP01_Q5SW740____.IES	EALP01_Q5SW750____.IES
TYPE V	S5	Symmetric Wide	20100	21300	183	B4-U0-G2	B4-U0-G2	EALP01_S5SW730____.IES	EALP01_S5SW740____.IES	EALP01_S5SW750____.IES
TYPE V	T5	Symmetric Wide	25200	26700	220	B4-U0-G2	B4-U0-G2	EALP01_T5SW730____.IES	EALP01_T5SW740____.IES	EALP01_T5SW750____.IES
TYPE V	U5	Symmetric Wide	30200	32000	274	B5-U0-G2	B5-U0-G2	EALP01_U5SW730____.IES	EALP01_U5SW740____.IES	EALP01_U5SW750____.IES
TYPE V	V5	Symmetric Wide	33800	35900	327	B5-U0-G2	B5-U0-G3	EALP01_V5SW730____.IES	EALP01_V5SW740____.IES	EALP01_V5SW750____.IES
TYPE IV	C4	Asymmetric Forward	7000	7500	73	B1-U0-G2	B1-U0-G2	EALP01_C4AF730____.IES	EALP01_C4AF740____.IES	EALP01_C4AF750____.IES
TYPE IV	D4	Asymmetric Forward	9400	10000	93	B2-U0-G2	B2-U0-G2	EALP01_D4AF730____.IES	EALP01_D4AF740____.IES	EALP01_D4AF750____.IES
TYPE IV	F4	Asymmetric Forward	14100	15000	136	B2-U0-G3	B2-U0-G3	EALP01_F4AF730____.IES	EALP01_F4AF740____.IES	EALP01_F4AF750____.IES
TYPE IV	H4	Asymmetric Forward	18800	20000	183	B3-U0-G4	B3-U0-G4	EALP01_H4AF730____.IES	EALP01_H4AF740____.IES	EALP01_H4AF750____.IES
TYPE IV	J4	Asymmetric Forward	23500	25000	220	B3-U0-G4	B3-U0-G4	EALP01_J4AF730____.IES	EALP01_J4AF740____.IES	EALP01_J4AF750____.IES
TYPE IV	K4	Asymmetric Forward	28300	30000	274	B3-U0-G4	B3-U0-G5	EALP01_K4AF730____.IES	EALP01_K4AF740____.IES	EALP01_K4AF750____.IES
TYPE IV	L4	Asymmetric Forward	32800	33600	327	B3-U0-G5	B3-U0-G5	EALP01_L4AF730____.IES	EALP01_L4AF740____.IES	EALP01_L4AF750____.IES
TYPE III	C3	Asymmetric Wide	7500	8000	73	B1-U0-G1	B2-U0-G2	EALP01_C3AW730____.IES	EALP01_C3AW740____.IES	EALP01_C3AW750____.IES
TYPE III	D3	Asymmetric Wide	10000	10600	93	B2-U0-G2	B2-U0-G2	EALP01_D3AW730____.IES	EALP01_D3AW740____.IES	EALP01_D3AW750____.IES
TYPE III	F3	Asymmetric Wide	15100	16000	136	B2-U0-G2	B2-U0-G2	EALP01_F3AW730____.IES	EALP01_F3AW740____.IES	EALP01_F3AW750____.IES
TYPE III	H3	Asymmetric Wide	20100	21300	183	B3-U0-G2	B3-U0-G2	EALP01_H3AW730____.IES	EALP01_H3AW740____.IES	EALP01_H3AW750____.IES
TYPE III	J3	Asymmetric Wide	25200	26700	220	B3-U0-G3	B3-U0-G3	EALP01_J3AW730____.IES	EALP01_J3AW740____.IES	EALP01_J3AW750____.IES
TYPE III	K3	Asymmetric Wide	30200	32000	274	B3-U0-G3	B3-U0-G3	EALP01_K3AW730____.IES	EALP01_K3AW740____.IES	EALP01_K3AW750____.IES
TYPE III	L3	Asymmetric Wide	33800	35900	327	B3-U0-G4	B3-U0-G4	EALP01_L3AW730____.IES	EALP01_L3AW740____.IES	EALP01_L3AW750____.IES
TYPE II	C2	Asymmetric Narrow	7300	7800	73	B2-U0-G2	B2-U0-G2	EALP01_C2AN730____.IES	EALP01_C2AN740____.IES	EALP01_C2AN750____.IES
TYPE II	D2	Asymmetric Narrow	9800	10400	93	B2-U0-G2	B2-U0-G2	EALP01_D2AN730____.IES	EALP01_D2AN740____.IES	EALP01_D2AN750____.IES
TYPE II	F2	Asymmetric Narrow	14700	15600	136	B3-U0-G3	B3-U0-G3	EALP01_F2AN730____.IES	EALP01_F2AN740____.IES	EALP01_F2AN750____.IES
TYPE II	H2	Asymmetric Narrow	19600	20800	183	B3-U0-G3	B3-U0-G3	EALP01_H2AN730____.IES	EALP01_H2AN740____.IES	EALP01_H2AN750____.IES
TYPE II	J2	Asymmetric Narrow	24500	26000	220	B3-U0-G3	B3-U0-G3	EALP01_J2AN730____.IES	EALP01_J2AN740____.IES	EALP01_J2AN750____.IES
TYPE II	K2	Asymmetric Narrow	29400	31200	274	B3-U0-G3	B3-U0-G3	EALP01_K2AN730____.IES	EALP01_K2AN740____.IES	EALP01_K2AN750____.IES
TYPE II	L2	Asymmetric Narrow	33000	34900	327	B3-U0-G4	B4-U0-G4	EALP01_L2AN730____.IES	EALP01_L2AN740____.IES	EALP01_L2AN750____.IES
AUTO	KA	Asymmetric Auto	32700	34600	274	B4-U0-G3	B4-U0-G3	EALP01_KAAA730____.IES	EALP01_KAAA740____.IES	EALP01_KAAA750____.IES
AUTO	LA	Asymmetric Auto	36600	38800	327	B4-U0-G3	B4-U0-G3	EALP01_LAAA730____.IES	EALP01_LAAA740____.IES	EALP01_LAAA750____.IES



TYPICAL LIGHTING POLE BASE

NTS

Ordering Number Logic

Evolve LED Wall Pack N Series (EWNB)

EWN B _ __ 7 __ _ _ ____ ___

PROD. ID	PHOTOMETRIC SERIES	VOLTAGE	OPTICAL CODE	CRI	LED COLOR TEMP	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve W = Wall Pack N = Housing Series	B = Photometric Series "B"	0 = 120-277* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480V* * Not available with Fusing. Must choose a discreet voltage with F Option.		7 = 70 (min)	30 = 3000K◇ 40 = 4000K 50 = 5000K ◇Select 3000K CCT for IDA Approved units	1 = None 3 = Button PE* A = ANSI C136.41 7-pin PE Receptacle # D = ANSI C136.41 7-pin PE Receptacle with Shorting Cap # *Only available with voltage 1,2,3 and 4. # Order Dimming/Control PE as a separate item. See accessories section of this datasheet for ordering information.	N = None Required	BLCK = Black DKBZ = Dark Bronze GRAY = Gray WHTE = White Contact manufacturer for other colors.	D = External Dimming Leads Provided (0-10Volt Input) F = Fusing L = Tool less entry R = 10kV Enhanced Surge Protection H = Motion Sensor # U = DALI Dimming+^ XXX = Special Options # R & H options cannot be purchased together. Not available with voltage 5, D and H. + Compatible with LightGrid 2.0 nodes. ^ Not compatible at 347-480V, with A-level optical code, or with motion sensor control.

	OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V, 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000K & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
TYPE IV	A4	Asymmetric Forward	4,000	4,300	44	B1-U0-G1	B1-U0-G1	EWNB_A4730__.IES	EWNB_A4740__.IES	EWNB_A4750__.IES
TYPE IV	B4	Asymmetric Forward	5,800	6,200	58	B1-U0-G2	B1-U0-G2	EWNB_B4730__.IES	EWNB_B4740__.IES	EWNB_B4750__.IES
TYPE IV	C4	Asymmetric Forward	7,500	8,000	70	B1-U0-G2	B1-U0-G2	EWNB_C4730__.IES	EWNB_C4740__.IES	EWNB_C4750__.IES
TYPE IV	D4	Asymmetric Forward	9,200	9,800	89	B1-U0-G2	B2-U0-G2	EWNB_D4730__.IES	EWNB_D4740__.IES	EWNB_D4750__.IES
TYPE IV	E4	Asymmetric Forward	10,800	11,500	98	B2-U0-G2	B2-U0-G2	EWNB_E4730__.IES	EWNB_E4740__.IES	EWNB_E4750__.IES
TYPE IV	F4	Asymmetric Forward	12,900	13,700	125	B2-U0-G3	B2-U0-G3	EWNB_F4730__.IES	EWNB_F4740__.IES	EWNB_F4750__.IES
TYPE III	A3	Asymmetric Wide	4,300	4,600	44	B1-U0-G1	B1-U0-G1	EWNB_A3730__.IES	EWNB_A3740__.IES	EWNB_A3750__.IES
TYPE III	B3	Asymmetric Wide	6,200	6,600	58	B1-U0-G1	B1-U0-G1	EWNB_B3730__.IES	EWNB_B3740__.IES	EWNB_B3750__.IES
TYPE III	C3	Asymmetric Wide	8,100	8,600	70	B1-U0-G2	B1-U0-G2	EWNB_C3730__.IES	EWNB_C3740__.IES	EWNB_C3750__.IES
TYPE III	D3	Asymmetric Wide	9,900	10,500	89	B2-U0-G2	B2-U0-G2	EWNB_D3730__.IES	EWNB_D3740__.IES	EWNB_D3750__.IES
TYPE III	E3	Asymmetric Wide	11,600	12,400	98	B2-U0-G2	B2-U0-G2	EWNB_E3730__.IES	EWNB_E3740__.IES	EWNB_E3750__.IES
TYPE III	F3	Asymmetric Wide	13,900	14,700	125	B2-U0-G2	B2-U0-G2	EWNB_F3730__.IES	EWNB_F3740__.IES	EWNB_F3750__.IES
TYPE II	A2	Asymmetric Narrow	4,200	4,500	44	B1-U0-G1	B1-U0-G1	EWNB_A2730__.IES	EWNB_A2740__.IES	EWNB_A2750__.IES
TYPE II	B2	Asymmetric Narrow	6,100	6,500	58	B1-U0-G1	B1-U0-G1	EWNB_B2730__.IES	EWNB_B2740__.IES	EWNB_B2750__.IES
TYPE II	C2	Asymmetric Narrow	7,900	8,400	70	B2-U0-G2	B2-U0-G2	EWNB_C2730__.IES	EWNB_C2740__.IES	EWNB_C2750__.IES
TYPE II	D2	Asymmetric Narrow	9,700	10,300	89	B2-U0-G2	B2-U0-G2	EWNB_D2730__.IES	EWNB_D2740__.IES	EWNB_D2750__.IES
TYPE II	E2	Asymmetric Narrow	11,400	12,100	98	B2-U0-G2	B2-U0-G2	EWNB_E2730__.IES	EWNB_E2740__.IES	EWNB_E2750__.IES
TYPE II	F2	Asymmetric Narrow	13,600	14,400	125	B2-U0-G2	B2-U0-G2	EWNB_F2730__.IES	EWNB_F2740__.IES	EWNB_F2750__.IES

PE Accessories (to be ordered separately)

SAP Number	Part Number	Description
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP Number	Part Number	Description
28299	PECOTL	STANDARD 120-277V
28294	PEC5TL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

Calculation Summary

Project: Project_1

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Horiz Spill @ Prop Line	Illuminance	Fc	0.13	0.5	0.0	N.A.	N.A.
Pavement Area	Illuminance	Fc	1.92	5.1	0.6	3.20	8.50
Sidewalk	Illuminance	Fc	1.86	4.4	0.6	3.10	7.33

Luminaire Schedule POLES MOUNTED AT HEIGHT OF 25FT

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	Lum. Watts
	1	D1C3	BACK-BACK	N.A.	0.855	2-EALP012C3AW750NDD1BLCKF	73
	3	EWNB	SINGLE	N.A.	1.000	1-EWNB0A47301NBLCKD	44
	1	SF2	SINGLE	N.A.	0.855	1-EALP012F2AN750NDD1BLCKF	136
	1	SF4_BS	SINGLE	N.A.	0.855	1-EALP012F4AF750NDD1BLCKF with 1-ELS-EAL-RBL-BLCK	136

FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: INDIANA 811 AT 811 OR 800-382-5544 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF INDIANA 811.

Indiana 811 — Know what's below. Call before you dig.

CESO
www.cesoinc.com

No.	Revisions/Submissions	Date
	CITY COMMENTS	06.28.19
	DRC SUBMITTAL	05.27.19
	PERMIT SET	05.24.19
	OWNER REVIEW	05.02.19

VALVOLINE INSTANT OIL CHANGE
2370 EAST MAIN STREET
PLAINFIELD, IN 46168

© 2019 CESO, INC

Project No.	756165
Scale	AS NOTED
Drawn	JMJ
Checked	JTF
Date	06-28-19

Drawing Title

PHOTOMETRIC PLAN

Drawing No. C8.0

W:\PROJECTS\VALVOLINE\756165-PLAINFIELD, IN (E MAIN ST.)\03-CIVIL\PLAN\PLOT SHEETS\756165_C80-LIGHT.DWG - 6/26/2019 10:49 AM