

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO OUTDOOR

ALS / ALP Area Lights

The ALS/ALP series LED area light delivers bright light with high energy savings. It is available in a wide option of lumen packages, ranging from 4,000lm to 10,000lm.

The ALS/ALP features daylight detection ability with a NEMA 3-Pin replaceable photocell for dusk-to-dawn operation.

Its durable weatherproof die cast aluminum housing will withstand harsh outdoor weather. Ideal for barns, warehouses, loading bays, side roads, pathways or general security lighting.

This fixture features a long-life span of 70,000 hours (ALS series) and 90,000 hours (ALP series) respectively. It easily mounts to a wall, post or onto a pole mounting arm (sold separately). The ALP 3000K CCT is IDA-Dark Sky Approved.

Typical Applications

Residential , Outdoor Area/Site

Product Certification



Product Features



*ALS only

**ALP only

***The ALP with 3,000K CCT is IDA certified (3000K and warmer CCTs - and without Refractor only)

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Top Product Features:

- Constructed of rugged die cast aluminum housing
- Available in textured Grey finish
- NEMA 3-Pin replaceable photocell for Dusk to Dawn operation (except for ALS4A40GY)
- 70,000 and 90,000 hours of rated life for ALS and ALP respectively
- Precision Optics – Enhanced optical control to maximize area lit up and provide uniform light distribution (ALP Series)
- Rated for damp and wet locations
- Zero maintenance LED fixture
- Universal power supply for ALP series (120-277V, 50/60Hz)
- 5-year warranty

Order Information

SAMPLE ORDER NUMBER: **ALP5A40GY / ALS4A40GY**

Family	Lumens	CCT	Finish
ALS= Area Light Standard	4A = 4,000 7A = 7,000 10A = 10,000	40= 4000K	GY= Grey
ALP= Area Light Premium	5A = 5,000 7A = 7,000 10A = 10,000	30= 3000K 40= 4000K	GY= Grey

Technical Information

Area/Site	ALS (Standard)			ALP (Premium)			ALP (Premium - IDA)		
CLS MODEL	ALS4A40GY	ALS7A40GY	ALS10A40GY	ALP5A40GY	ALP7A40GY	ALP10A40GY	ALP5A30GY	ALP7A30GY	ALP10A30GY
LUMENS	4,000	7,000	10,000	5,000	7,000	10,000	5,000	7,000	10,000
CCT	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	3,000K	3,000K	3,000K
LIFETIME	70,000	70,000	70,000	90,000	90,000	90,000	90,000	90,000	90,000
VOLTAGE	120V	120V	120V	120-277V	120-277V	120-277V	120-277V	120-277V	120-277V
INTEGRATED PHOTOCELL	X								
3PIN NEMA PHOTOCELL		X	X	X	X	X	X	X	X
DROP LENS	X	X	X	X	X	X	X	X	X
PRECISION OPTICS FOR SUPERIOR AREA COVERAGE				X	X	X	X	X	X
MATERIAL	Die Cast	Die Cast	Die Cast	Die Cast	Die Cast	Die Cast	Die Cast	DIE CAST	DIE CAST
WARRANTY	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 YEARS	5 YEARS
ETL									
UL	X	X	X	X	X	X	X	X	X
ESTAR	X	X	X						
DLC				X	X	X	X	X	X
IDA-DARK SKY APPROVED							X	X	X

Product Specifications

Construction

- Durable die-cast aluminum housing suitable for wet locations
- Glare free UV stable acrylic lens
- Available in textured gray finish
- Suitable for wall or pole mount
- Precision Optics – Enhanced optical control to maximize area lit up and provide uniform light distribution (ALP series)

Integrated Controls

- NEMA 3-Pin photocell (except ALS4A40GY)

Mounting

- Easily mounts to a wooden post, pole or wall using 2" lag screws.
- Can be mounted to a 1-1/4" pipe (1-5/8" Outer Diameter)- pipe not included.

Electrical

- Maintenance-free LEDs with L70 70,000 hours of life for ALS series and 90,000 hours for ALP series
- Fixture operating temperature range from -30°C to 40°C
- Electrical operating voltage
 - ALS series- 120V, 60Hz
 - ALP series- 120-277V, 50/60Hz
- cULus listed for wet locations

Finish

- Textured Grey Finish

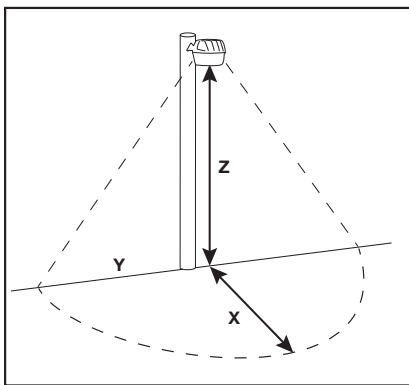
Certifications

- UL certified for USA and Canada for wet locations
- Contains no mercury or lead - RoHS compliant (RoHS 2.0)
- The ALP with 3,000K CCT is IDA certified (3000K and warmer CCTs and without Refractor only)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com

Suggested Mounting Height



X = Forward Throw
Y = Wall Spread
Z = Mounting Heights

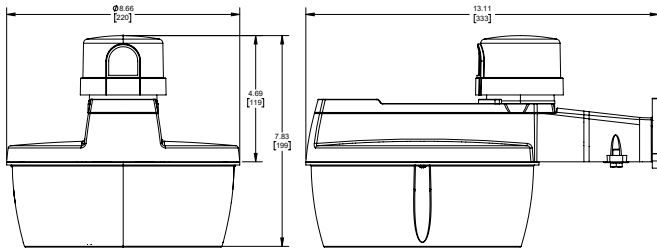
Notes:
Forward throw X = 1/2 Y for wall-mount applications only
See IES files for detailed photometry

Minimum Footcandles (FC)		0.50 FC					
Mounting Height (Z)		10'		15'		20'	
Catalog Number	Lumens	X	Y	X	Y	X	Y
ALS4A40GY	4,238	20	40	23	45	25	50
ALS7A40GY	7,105	22	44	29	60	32	64
ALS10A40GY	10,617	24	48	34	68	35	70
ALP5A40GY	5,324	22	44	29	58	32	65
ALP7A40GY	7,545	22	44	30	60	36	72
ALP10A40GY	10,637	25	50	33	66	39	78
ALP5A30GY	5,213	22	44	29	58	32	65
ALP7A30GY	7,388	22	44	30	60	36	72
ALP10A30GY	10,416	25	50	33	66	39	78
ALS4A40GY- With DL	4,174	20	40	22	44	21	42
ALS7A40GY -With DL	7,011	22	44	29	58	29	58
ALS10A40GY-With DL	10,497	26	52	30	60	36	72
ALP5A40GY-With DL	5,244	22	44	28	56	28	56
ALP7A40GY -With DL	7,419	23	46	30	60	36	72
ALP10A40GY -With DL	10,515	27	54	33	66	39	78
ALP5A30GY -With DL	5,135	22	44	28	56	28	56
ALP7A30GY -With DL	7,265	23	46	30	60	36	72
ALP10A30GY -With DL	10,296	27	54	33	66	39	78

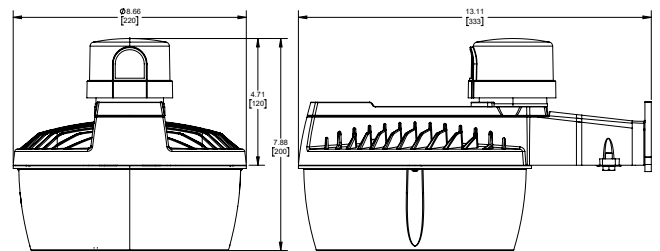
*DL- Downlight refractor (in the box accessory)

Dimensions:

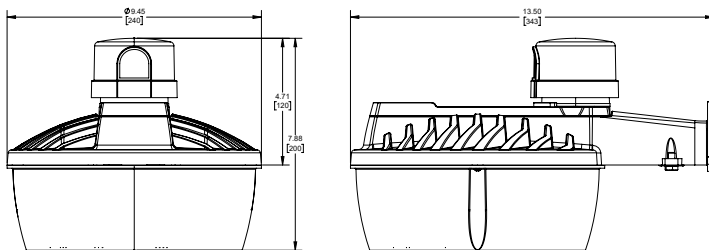
ALP5A40GY / ALP5A30GY



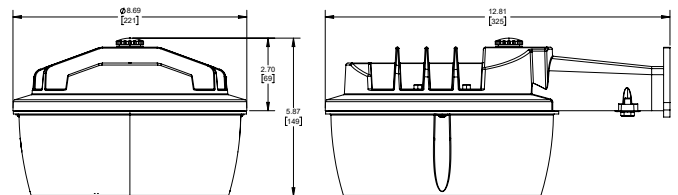
ALP7A40GY / ALP7A30GY



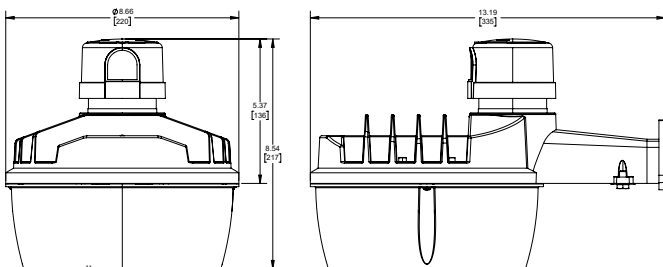
ALP10A40GY / ALP10A30GY



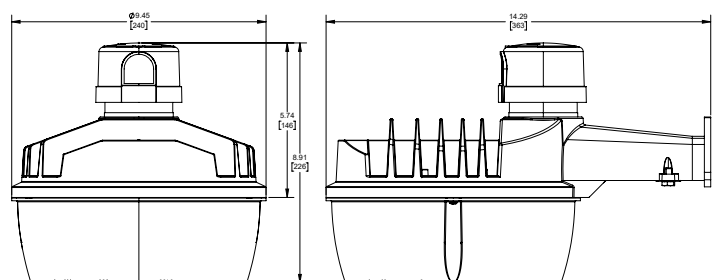
ALS4A40GY



ALS7A40GY



ALS10A40GY

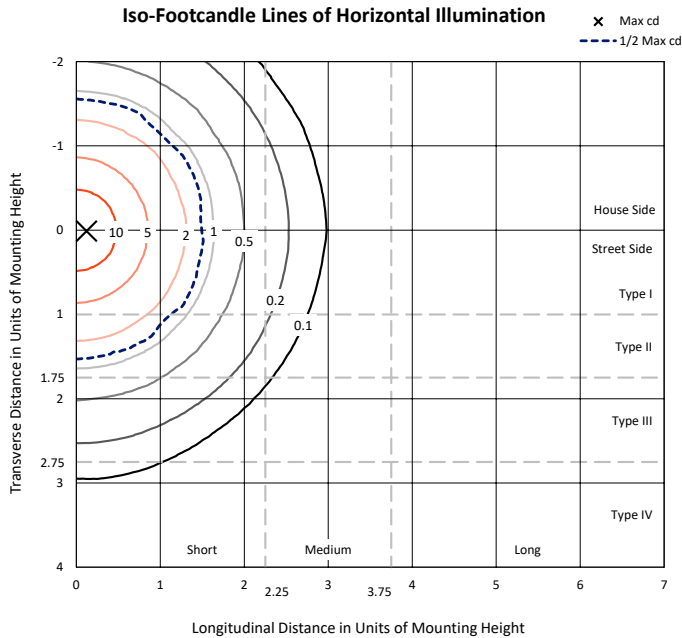


Photometric Data

Series	Voltage (V)	Power (W)	Delivered Lumens	Efficacy (Lum/ Watt)	Led Color Temperature (K)	CRI	Photocontrol
ALS4A40GY	120	27.1	4,238	156	4,000	71	INTEGRATED
ALS7A40GY	120	47.9	7,105	148	4,000	71	3-PIN NEMA PHOTOCELL
ALS10A40GY	120	77.0	10,617	138	4,000	71	3-PIN NEMA PHOTOCELL
ALP5A40GY	120-277	36.9	5,324	144	4,000	71	3-PIN NEMA PHOTOCELL
ALP7A40GY	120-277	53.2	7,545	142	4,000	71	3-PIN NEMA PHOTOCELL
ALP10A40GY	120-277	77.7	10,637	137	4,000	71	3-PIN NEMA PHOTOCELL
ALP5A30GY	120-277	36.9	5,213	141	3,000	72	3-PIN NEMA PHOTOCELL
ALP7A30GY	120-277	53.2	7,388	139	3,000	72	3-PIN NEMA PHOTOCELL
ALP10A30GY	120-277	77.7	10,416	134	3,000	72	3-PIN NEMA PHOTOCELL
ALS4A40GY with DL	120	27.1	4,174	154	4,000	72	INTEGRATED
ALS7A40GY with DL	120	48.2	7,011	145	4,000	71	3-PIN NEMA PHOTOCELL
ALS10A40GY with DL	120	76.8	10,497	137	4,000	72	3-PIN NEMA PHOTOCELL
ALP5A40GY with DL	120-277	36.9	5,244	142	4,000	72	3-PIN NEMA PHOTOCELL
ALP7A40GY with DL	120-277	53.2	7,419	139	4,000	72	3-PIN NEMA PHOTOCELL
ALP10A40GY with DL	120-277	77.8	10,515	135	4,000	72	3-PIN NEMA PHOTOCELL
ALP5A30GY with DL	120-277	36.9	5,135	139	3,000	72	3-PIN NEMA PHOTOCELL
ALP7A30GY with DL	120-277	53.2	7,265	137	3,000	72	3-PIN NEMA PHOTOCELL
ALP10A30GY with DL	120-277	77.8	10,296	132	3,000	72	3-PIN NEMA PHOTOCELL

*DL- Downlight refractor (in the box accessory)

Photometric Data : ALS4A40

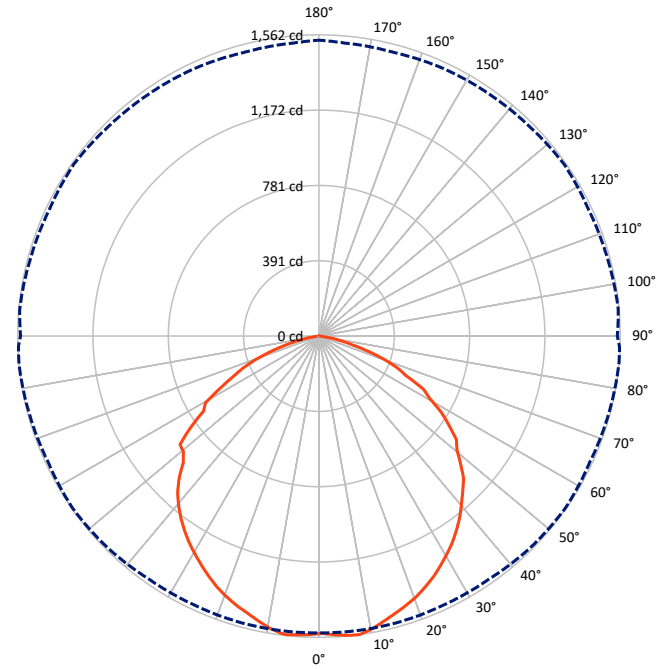


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

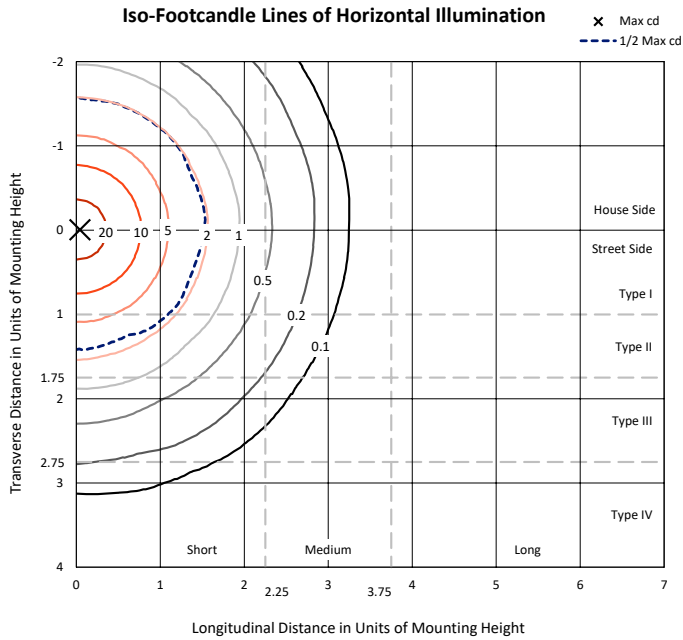
Zone	Lumens	% Fixture
0°-10°	146.9	3.5
10°-20°	419.1	9.9
20°-30°	634.7	15.0
30°-40°	769.2	18.2
40°-50°	808.5	19.1
50°-60°	732.0	17.3
60°-70°	507.7	12.0
70°-80°	204.1	4.8
80°-90°	15.5	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4237.7	100.0
0°-180°	4237.7	100.0

Luminous Intensity Polar Plot



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

Photometric Data : ALS7A40

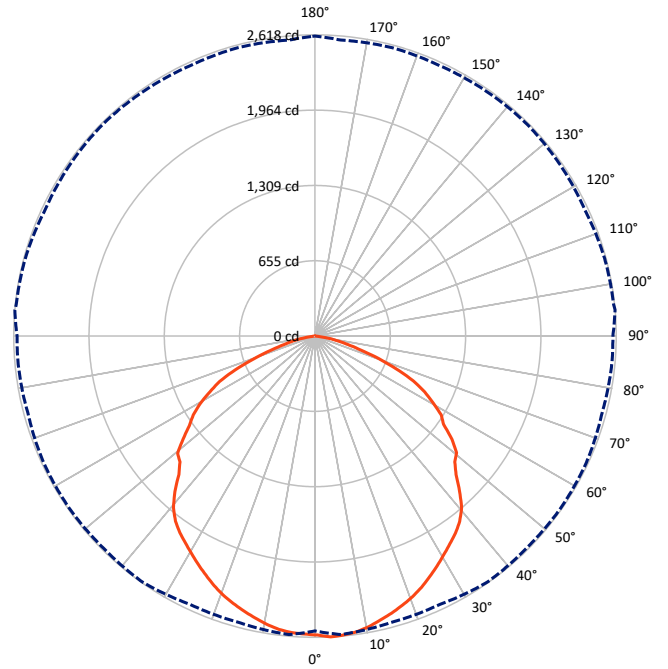


Based on 10 foot mounting height. Maximum calculated value = 26 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.6	3.5
10°-20°	700.3	9.9
20°-30°	1064.3	15.0
30°-40°	1292.0	18.2
40°-50°	1343.5	18.9
50°-60°	1211.5	17.1
60°-70°	877.6	12.4
70°-80°	340.0	4.8
80°-90°	30.1	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7104.8	100.0
0°-180°	7104.8	100.0

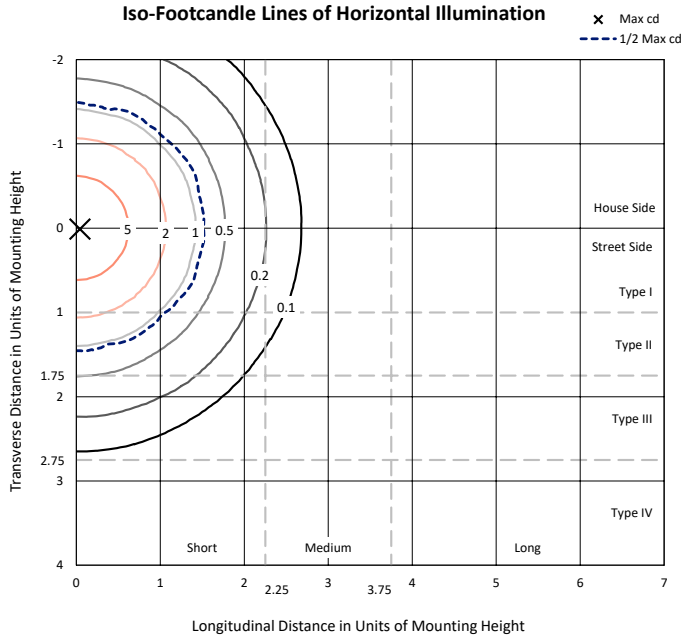
Luminous Intensity Polar Plot



— Vertical Plane Through 95-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

Photometric Data : ALS10A40

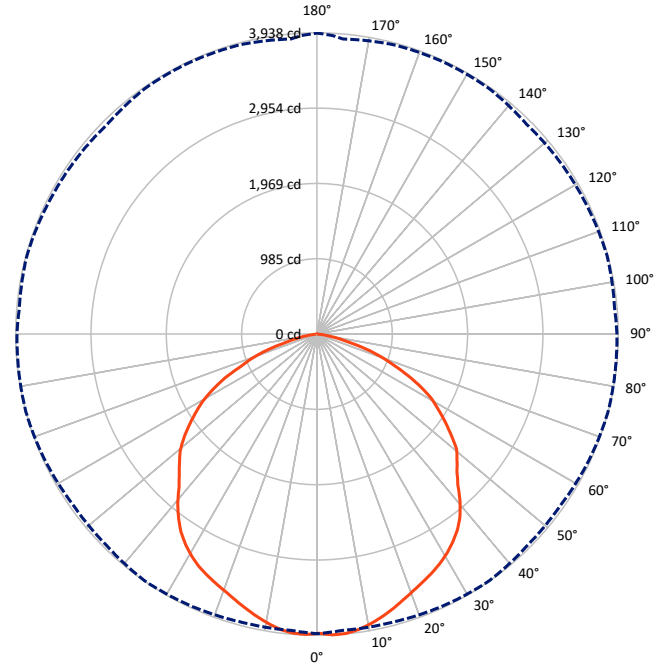


Based on 20 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

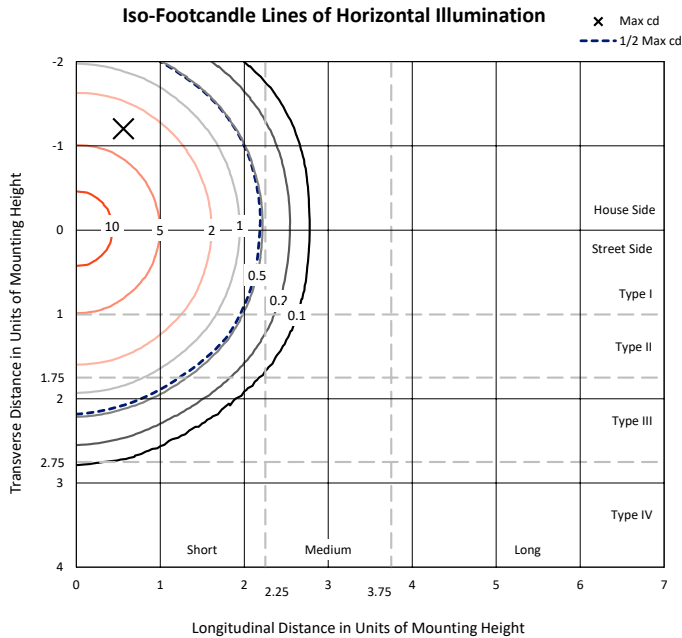
Zone	Lumens	% Fixture
0°-10°	370.1	3.5
10°-20°	1045.5	9.8
20°-30°	1590.3	15.0
30°-40°	1944.9	18.3
40°-50°	2000.9	18.8
50°-60°	1815.4	17.1
60°-70°	1282.1	12.1
70°-80°	512.8	4.8
80°-90°	54.9	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10617.0	100.0
0°-180°	10617.0	100.0

Luminous Intensity Polar Plot



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

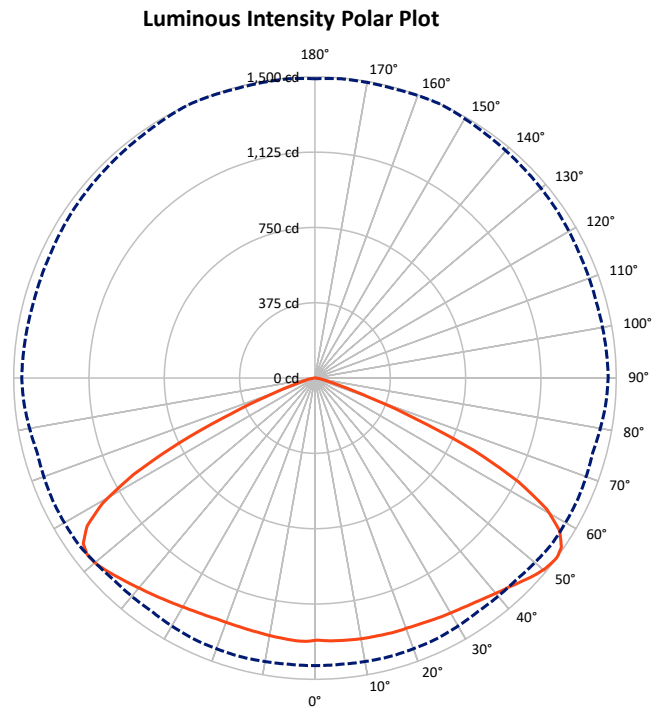
Photometric Data : ALP5A30



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type V - Short - Full Cutoff

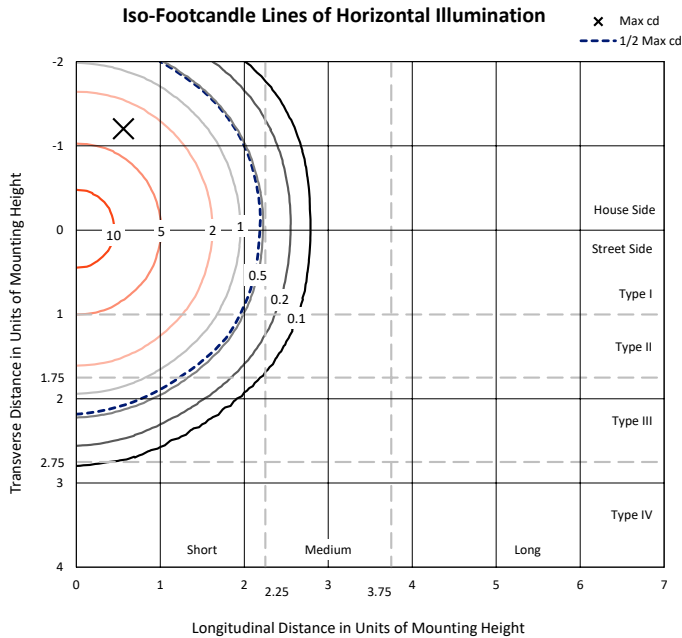
ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	2.4
10°-20°	368.7	7.1
20°-30°	605.7	11.6
30°-40°	843.9	16.2
40°-50°	1090.8	20.9
50°-60°	1265.3	24.3
60°-70°	785.3	15.1
70°-80°	116.5	2.2
80°-90°	12.6	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5213.3	100.0
0°-180°	5213.3	100.0



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

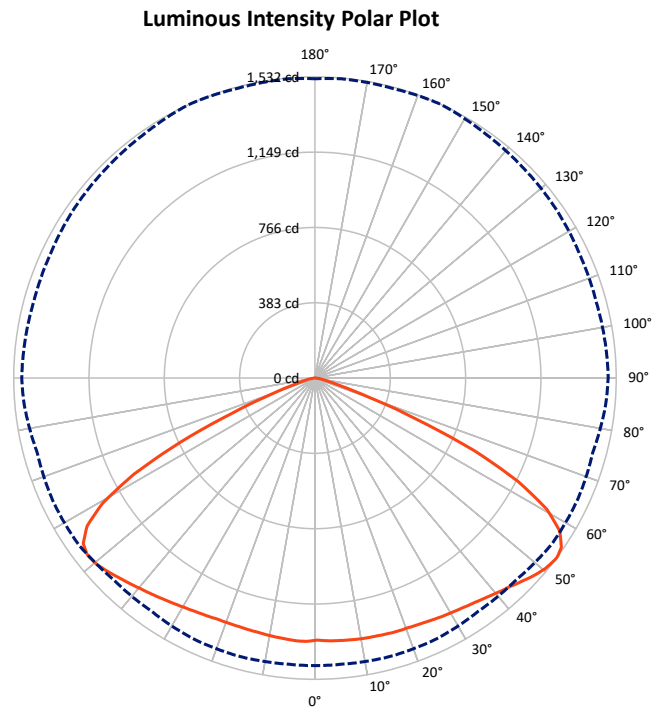
Photometric Data :ALP5A40



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type V - Short - Full Cutoff

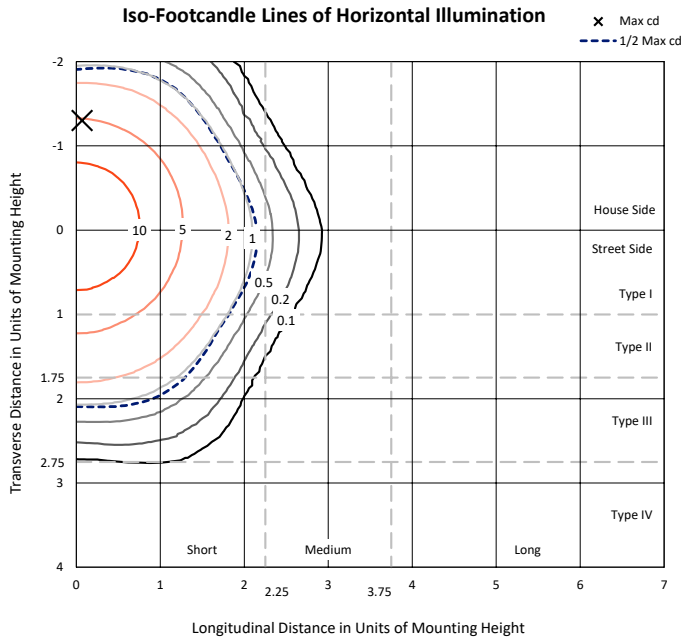
ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	2.4
10°-20°	376.5	7.1
20°-30°	618.6	11.6
30°-40°	861.8	16.2
40°-50°	1114.0	20.9
50°-60°	1292.3	24.3
60°-70°	802.0	15.1
70°-80°	119.0	2.2
80°-90°	12.9	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5324.3	100.0
0°-180°	5324.3	100.0



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

Photometric Data : ALP7A30

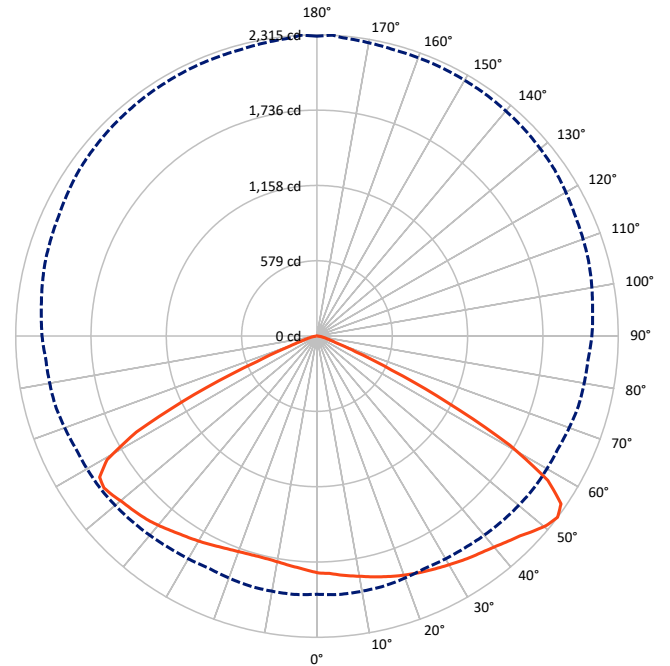


Based on 10 foot mounting height. Maximum calculated value = 18.3 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

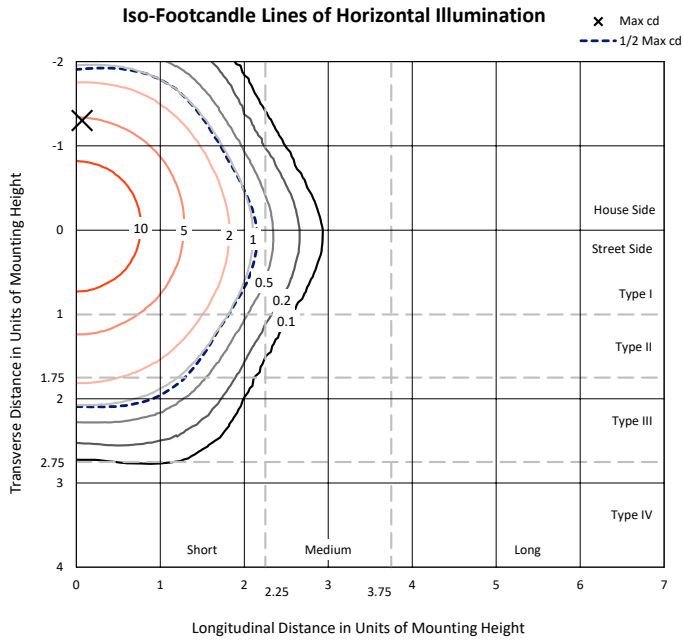
Zone	Lumens	% Fixture
0°-10°	174.1	2.4
10°-20°	523.5	7.1
20°-30°	877.6	11.9
30°-40°	1230.5	16.7
40°-50°	1583.5	21.4
50°-60°	1855.3	25.1
60°-70°	999.6	13.5
70°-80°	126.1	1.7
80°-90°	17.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7387.6	100.0
0°-180°	7387.6	100.0

Luminous Intensity Polar Plot



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

Photometric Data : ALP7A40

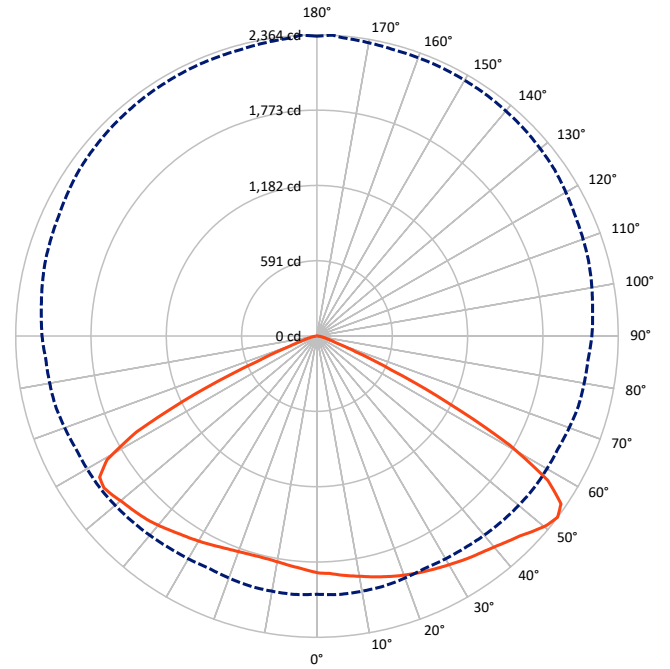


Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

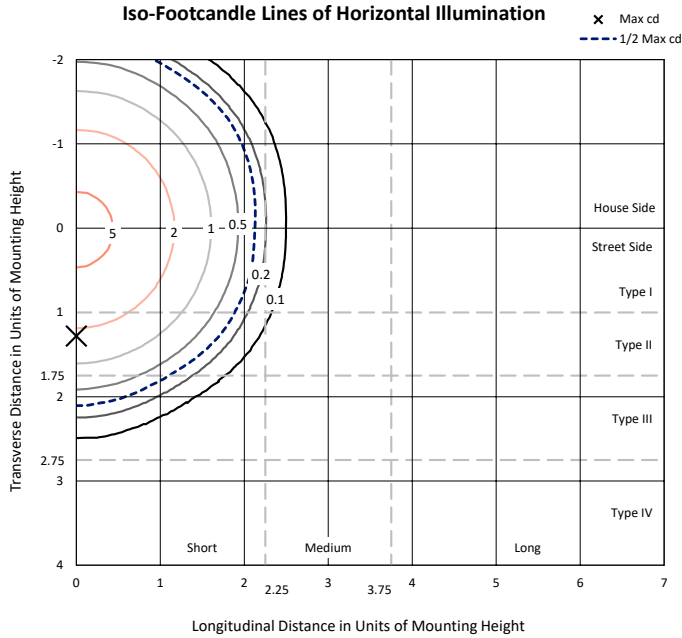
Zone	Lumens	% Fixture
0°-10°	177.8	2.4
10°-20°	534.6	7.1
20°-30°	896.2	11.9
30°-40°	1256.6	16.7
40°-50°	1617.1	21.4
50°-60°	1894.7	25.1
60°-70°	1020.9	13.5
70°-80°	128.8	1.7
80°-90°	17.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7544.6	100.0
0°-180°	7544.6	100.0

Luminous Intensity Polar Plot



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

Photometric Data : ALP10A30

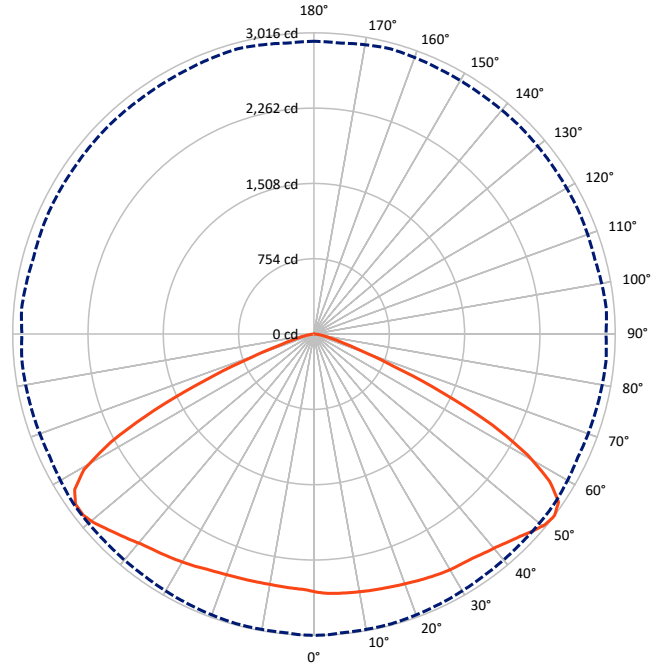


Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

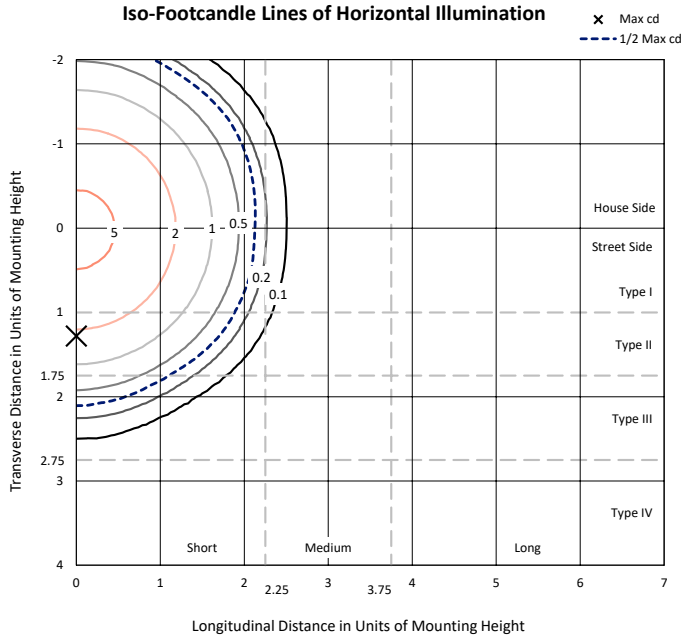
Zone	Lumens	% Fixture
0°-10°	246.7	2.4
10°-20°	735.7	7.1
20°-30°	1218.4	11.7
30°-40°	1699.6	16.3
40°-50°	2199.3	21.1
50°-60°	2550.3	24.5
60°-70°	1504.7	14.4
70°-80°	234.2	2.2
80°-90°	27.1	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10416.0	100.0
0°-180°	10416.0	100.0

Luminous Intensity Polar Plot



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

Photometric Data : ALP10A40

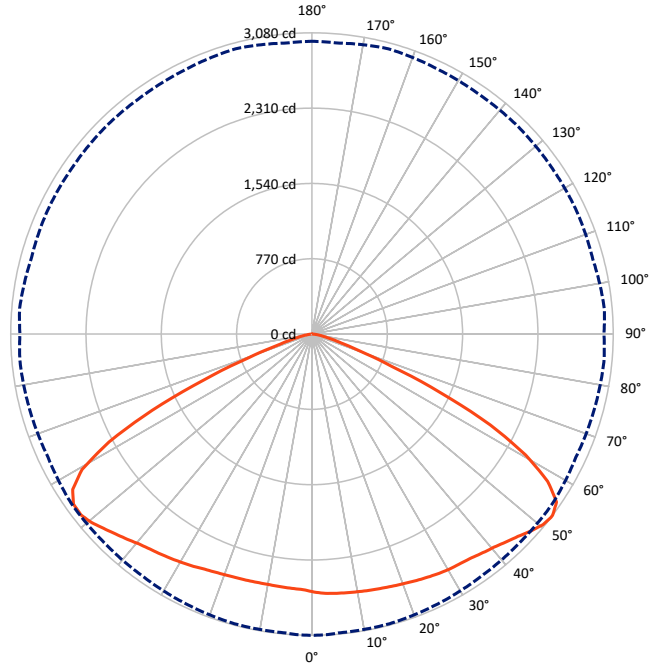


Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - Full Cutoff

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.9	2.4
10°-20°	751.3	7.1
20°-30°	1244.2	11.7
30°-40°	1735.6	16.3
40°-50°	2246.0	21.1
50°-60°	2604.4	24.5
60°-70°	1536.6	14.4
70°-80°	239.2	2.2
80°-90°	27.7	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10637.0	100.0
0°-180°	10637.0	100.0

Luminous Intensity Polar Plot



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE