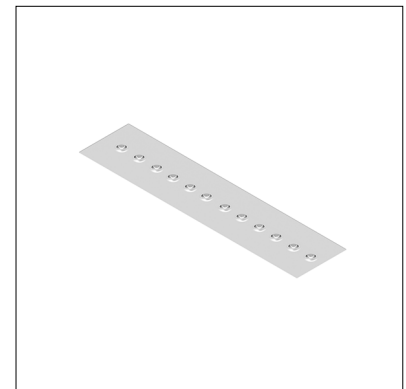
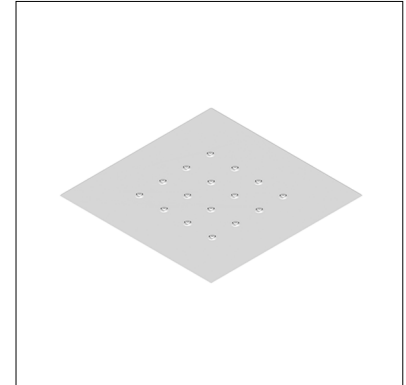


MULTICONE PANEL F

Multicone is a family of round, square or rectangle fixtures that have a minimal design and modern technology that can be surface-mounted (wall or ceiling), recessed (with or without trim), or suspended suitable for indoor environments. The innovative Multicone technology involves retracting the lens together with the LED source in a mechanically formed front resulting in natural light that is healthy for the eyes with UGR<19. Multicone Panel F is the recessed with a frame panel version offered in 4 square or 4 rectangular sizes with 4 standard finishes.



Fixture dimensions - see page 2 & 3

TECHNICAL DATA

Wattage	See chart on page 2 and 3
Power Supply	Remote 500mA or 900mA, not included. See page 4
Construction	Body: Powder Coated Steel
CCT	3000K, 4000K
CRI	>80
Delivered Lumens	See chart on page 2 and 3
Efficacy	See chart on page 2 and 3
Optics	60° (UGR<19)
LED Source	PCB LED
Lumen Maintenance	50,000 hrs L80, B10 (Ta 25°C)
Color Consistency	3-Step MacAdam
Finishes	White (RAL9016), Black (RAL9005), Fog (RAL7038), Graphite (RAL7024)
Fixture Dimensions	See chart on page 2 and 3
IP Rating	IP20

ORDERING INFORMATION

Example: IO5.2342.01F1.027W.40.US. Power Supplies / Accessories sold separately.

	0			W		.US
Model No.	Driver	CCT	LED Power	Optic	Finish	
IO5.2342.01F1 - Panel 16 F (23.4" x 23.4" Sq.)	0 - Remote	2 - 3000K	7 - High Output	W - 60°	40 - White	.US
IO5.2343.01F1 - Panel 24 F (23.4" x 23.4" Sq.)		3 - 4000K	6 - High Efficiency		50 - Black	
IO5.2341.02F1 - Panel 12 F (23.4" x 5.5" Rec.)			5 - Low Output		G0 - Fog	
IO5.2343.03F1 - Panel 24 F (47.0" x 5.5" Rec.)			M - Medium Output		H0 - Graphite	
IO5.2342.11F1 - Panel 16 F (24.1" x 24.1" Sq.)			NOTE: Low output (LO - Code 5) NOT available on Panel 24 F Square. High Output (HO - Code 7) NOT available on Panel 12 F or Panel 24 F Rectangle. Please see table on page 2 and 3 for more clarification			
IO5.2343.11F1 - Panel 24 F (24.1" x 24.1" Sq.)						
IO5.2341.12F1 - Panel 12 F (24.4" x 5.5" Rec.)						
IO5.2343.13F1 - Panel 24 F (49.0" x 5.5" Rec.)						

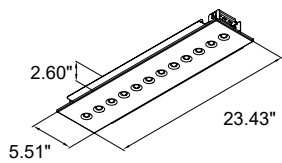
Job Name/Date:

Fixture Type Designation:

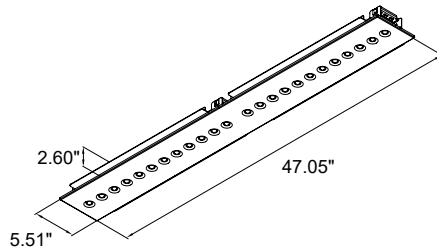
TECHNICAL DATA

	Panel 16 F (LO) (Square)	Panel 16 F (HE) (Square)	Panel 16 F (MO) (Square)	Panel 16 F (HO) (Square)
Wattage	15.9W	18.1W	22.7W	25W
Delivered Lumens (4000K)	2385 lm	2680 lm	3285 lm	3525 lm
Efficacy	150 lm/W	148.1 lm/W	144.7 lm/W	141 lm/W
Fixture Dim. (l,w,h)	23.43" x 23.43" x 2.60"	23.43" x 23.43" x 2.60"	23.43" x 23.43" x 2.60"	23.43" x 23.43" x 2.60"
	Panel 24 F (HE) (Square)	Panel 24 F (MO) (Square)	Panel 24 F (HO) (Square)	
Wattage	27.2W	34W	37.5W	
Delivered Lumens (4000K)	4020 lm	4925 lm	5290 lm	
Efficacy	147.8 lm/W	144.9 lm/W	141.1 lm/W	
Fixture Dim. (l,w,h)	23.43" x 23.43" x 2.60"	23.43" x 23.43" x 2.60"	23.43" x 23.43" x 2.60"	
	Panel 12 F (LO) (Rect.)	Panel 12 F (HE) (Rect.)	Panel 12 F (MO) (Rect.)	
Wattage	11.9W	13.7W	17W	
Delivered Lumens (4000K)	1790 lm	2010 lm	2465 lm	
Efficacy	150.4 lm/W	146.7 lm/W	145 lm/W	
Fixture Dim. (l,w,h)	23.43" x 5.51" x 2.60"	23.43" x 5.51" x 2.60"	23.43" x 5.51" x 2.60"	
	Panel 24 F (LO) (Rect.)	Panel 24 F (HE) (Rect.)	Panel 24 F (MO) (Rect.)	
Wattage	23.9W	27.2W	34W	
Delivered Lumens (4000K)	3580 lm	4020 lm	4925 lm	
Efficacy	149.8 lm/W	147.8 lm/W	144.9 lm/W	
Fixture Dim. (l,w,h)	47.05" x 5.51" x 2.60"	47.05" x 5.51" x 2.60"	47.05" x 5.51" x 2.60"	

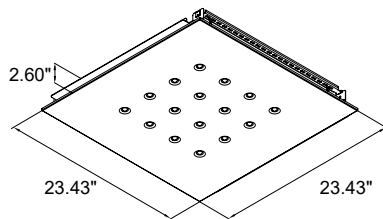
MULTICONE PANEL F FIXTURE DIMENSIONS



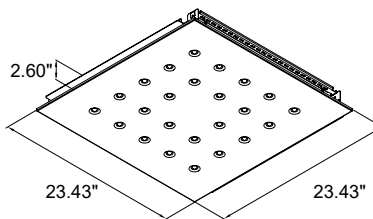
Panel 12 F - 1
IO5.2341.02F1



Panel 24 F - 1
IO5.2343.03F1




Panel 16 F - 1
IO5.2342.01F1



Panel 24 F - 1
IO5.2343.01F1

FINISHES

-  white (RAL9016)
-  fog (RAL7038)
-  graphite (RAL7024)
-  black (RAL9005)

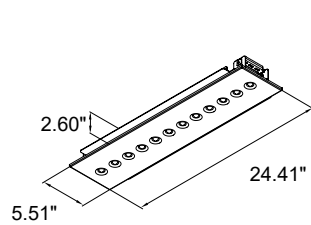
Job Name/Date:

Fixture Type Designation:

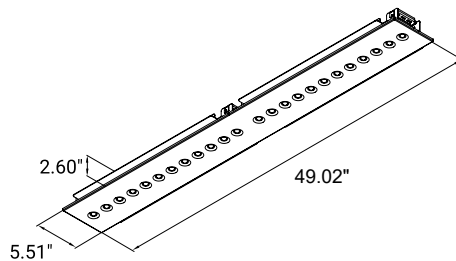
TECHNICAL DATA - 2

	Panel 16 F (LO) (Square)	Panel 16 F (HE) (Square)	Panel 16 F (MO) (Square)	Panel 16 F (HO) (Square)
Wattage	15.9W	18.1W	22.7W	25W
Delivered Lumens (4000K)	2385 lm	2680 lm	3285 lm	3525 lm
Efficacy	150 lm/W	148.1 lm/W	144.7 lm/W	141 lm/W
Fixture Dim. (l,w,h)	24.41" x 24.41" x 2.60"	24.41" x 24.41" x 2.60"	24.41" x 24.41" x 2.60"	24.41" x 24.41" x 2.60"
	Panel 24 F (HE) (Square)	Panel 24 F (MO) (Square)	Panel 24 F (HO) (Square)	
Wattage	27.2W	34W	37.5W	
Delivered Lumens (4000K)	4020 lm	4925 lm	5290 lm	
Efficacy	147.8 lm/W	144.9 lm/W	141.1 lm/W	
Fixture Dim. (l,w,h)	24.41" x 24.41" x 2.60"	24.41" x 24.41" x 2.60"	24.41" x 24.41" x 2.60"	
	Panel 12 F (LO) (Rect.)	Panel 12 F (HE) (Rect.)	Panel 12 F (MO) (Rect.)	
Wattage	11.9W	13.7W	17W	
Delivered Lumens (4000K)	1790 lm	2010 lm	2465 lm	
Efficacy	150.4 lm/W	146.7 lm/W	145 lm/W	
Fixture Dim. (l,w,h)	24.41" x 5.51" x 2.60"	24.41" x 5.51" x 2.60"	24.41" x 5.51" x 2.60"	
	Panel 24 F (LO) (Rect.)	Panel 24 F (HE) (Rect.)	Panel 24 F (MO) (Rect.)	
Wattage	23.9W	27.2W	34W	
Delivered Lumens (4000K)	3580 lm	4020 lm	4925 lm	
Efficacy	149.8 lm/W	147.8 lm/W	144.9 lm/W	
Fixture Dim. (l,w,h)	49.02" x 5.51" x 2.60"	49.02" x 5.51" x 2.60"	49.02" x 5.51" x 2.60"	

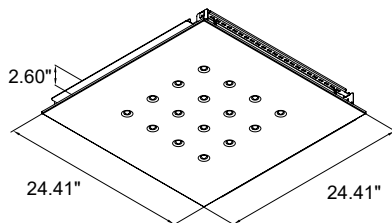
MULTICONE PANEL F FIXTURE DIMENSIONS



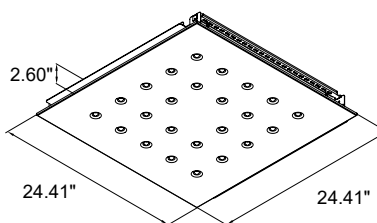
Panel 12 F - 2
IO5.2341.12F1



Panel 24 F Rectangle - 2
IO5.2343.03F1




Panel 16 F - 2
IO5.2342.11F1



Panel 24 F Square - 2
IO5.2343.13F1

FINISHES

-  white (RAL9016)
-  fog (RAL7038)
-  graphite (RAL7024)
-  black (RAL9005)

Job Name/Date:

Fixture Type Designation:

SUGGESTED POWER SUPPLIES

500mA - Panel 16 C Square (Low Output - High Efficacy - Medium Output - High Output)

Part Number	Description	Input/Output	# of Fixtures			
			15.9W (LO)	18.1W (HE)	22.7W (MO)	25W (HO)
PPLT00465-P	0-10V Dimming to 1.0%	120-277VAC to 500mA, 20W, Class 2, DAMP	1-1	1-1	—	—
PPLT00527	Phase Dim (120V only)	120VAC to 500mA, 25W, Class 2, IP66	1-1	1-1	1-1	1-1
PPLT00467-P	0-10V Dimming to 1.0%	120-277VAC to 500mA, 50W, Class 2, DAMP	1-1	1-1	1-1	1-1
PPLT00538-P	0-10V Dimming to 0.1% (4 channels)	120-277VAC to 500mA, 100W, Class 2	1-4	1-4	1-4	1-4

Suggested Lutron Compatible

Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures			
						15.9W	18.1W	22.7W	25W
PPLT00180	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 500mA, 27W, Class 2	1-1	1-1	1-1	1-1

SUGGESTED POWER SUPPLIES

900mA - Panel 24 C Square (Low Output - High Efficacy - Medium Output - High Output)

Part Number	Description	Input/Output	# of Fixtures			
			23.9W (LO)	27.2W (HE)	34W (MO)	37.5W (HO)
PPLT00465-P	0-10V Dimming to 1.0%	120-277VAC to 900mA, 20W, Class 2, DAMP	1-1	—	—	—
PPLT00198	0-10V Dimming to 10%	120-277VAC to 900mA, 45W, Class 2	1-1	1-1	1-1	1-1
PPLT00467-P	0-10V Dimming to 1.0%	120-277VAC to 900mA, 50W, Class 2, DAMP	1-1	1-1	1-1	1-1
PPLT00538-P	0-10V Dimming to 0.1% (4 channels)	120-277VAC to 900mA, 100W, Class 2	1-4	—	—	—

SUGGESTED POWER SUPPLIES

500mA - Panel 12 C Rectangle (Low Output - High Efficacy - Medium Output)

Part Number	Description	Input/Output	# of Fixtures		
			11.9W (LO)	13.7W (HE)	17W (MO)
PPLT00527	Phase Dim (120V only)	120VAC to 500mA, 25W, Class 2, IP66	1-1	1-1	1-1
PPLT00262	Leading / Trailing Edge Dim to 10% (120V only)	120-277VAC to 500mA, 32W, Class 2	1-1	1-1	1-1
PPLT00467-P	0-10V Dimming to 1.0%	120-277VAC to 500mA, 50W, Class 2, DAMP	1-1	1-1	1-1
PPLT00538-P	0-10V Dimming to 0.1% (4 channels)	120-277VAC to 500mA, 100W, Class 2	1-4	1-4	1-4

Suggested Lutron Compatible

Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures		
						11.9W	13.7W	17W
PPLT00195	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 500mA, 19W, Class 2	1-1	1-1	1-1
PPLT00676	PEQ0	L3DA	100%-1%	Hi-Lume™ Premier 0.1% EcoSystem™ (0.1% DIM) F2B	120-277VAC to 500mA, 20W, Class 2	1-1	1-1	1-1
PPLT00180	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 500mA, 27W, Class 2	1-1	1-1	1-1

SUGGESTED POWER SUPPLIES

900mA - Panel 24 C Rectangle (Low Output - High Efficacy - Medium Output)

Part Number	Description	Input/Output	# of Fixtures		
			23.9W (LO)	27.2W (HE)	34W (MO)
PPLT00198	0-10V Dimming to 10%	120-277VAC to 900mA, 45W, Class 2	1-1	1-1	1-1
PPLT00467-P	0-10V Dimming to 1.0%	120-277VAC to 900mA, 50W, Class 2, DAMP	1-1	1-1	1-1
PPLT00538-P	0-10V Dimming to 0.1% (4 channels)	120-277VAC to 900mA, 100W, Class 2	1-4	1-1	—

For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

ACCESSORIES



Panel Mounting Set
(Plasterboard Ceiling)

5.2392.01F0.0000.00

Dimensions: 24.61" x 22.44"
Cutout: 22.83" x 21.65"

5.2392.02F0.0000.00

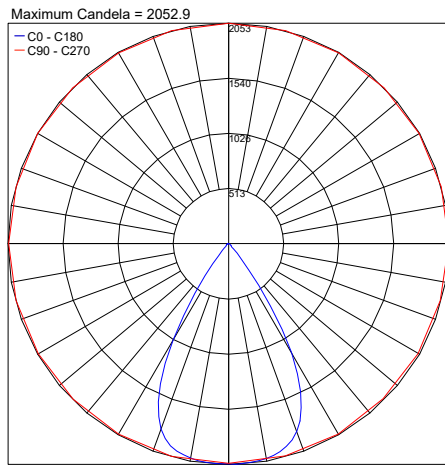
Dimensions: 22.44" x 6.69"
Cutout: 22.83" x 3.74"

5.2392.03F0.0000.00

Dimensions: 46.06" x 6.69"
Cutout: 46.46" x 3.74"

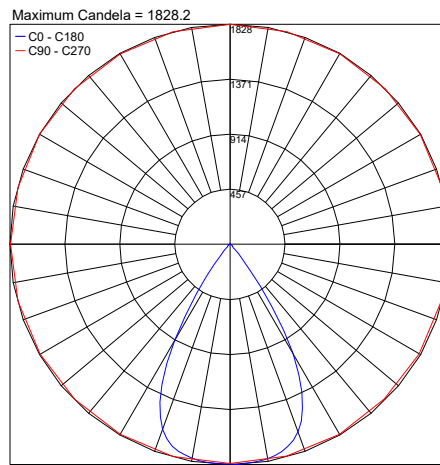
PHOTOMETRIC DATA

Note: All photometry is 3000K



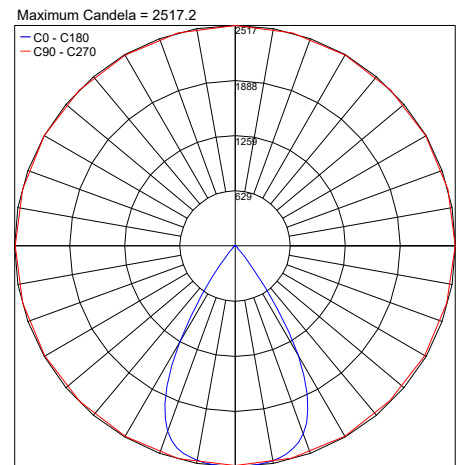
PHOTOMETRIC FILENAME : MULTICONE_PANEL_12_F_RECT_3000K_WIDE_BEAM_CC_HE_23.4IN.IES

PANEL 12 F RECTANGLE High Efficacy



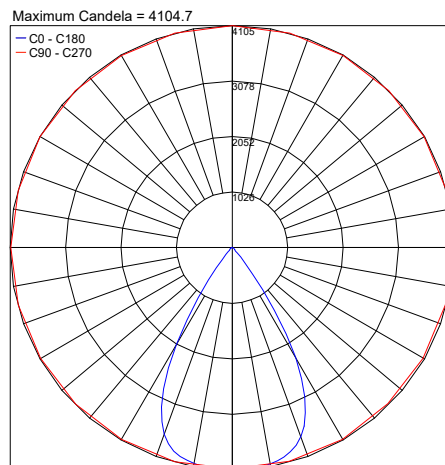
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PANEL 12 F RECTANGLE Low Output



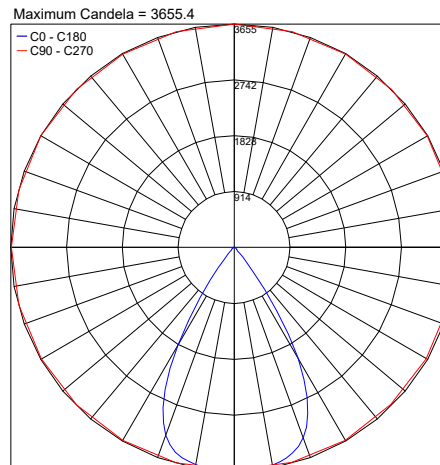
PHOTOMETRIC FILENAME : MULTICONE_PANEL_12_F_RECT_3000K_WIDE_BEAM_CC_MO_23.4IN.IES

PANEL 12 F RECTANGLE Medium Output



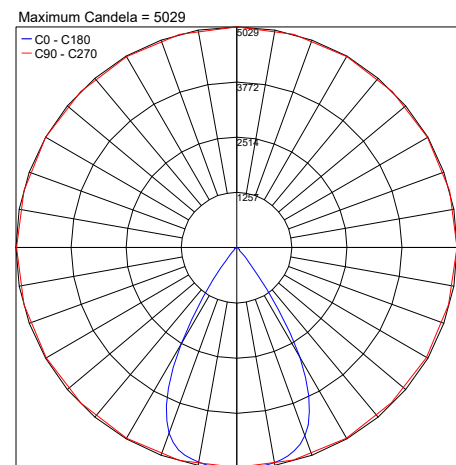
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PANEL 24 F RECTANGLE High Efficacy



PHOTOMETRIC FILENAME : MULTICONE_PANEL_24_F_RECT_3000K_WIDE_BEAM_CC_LO_47.0IN.IES

PANEL 24 F RECTANGLE Low Output



PHOTOMETRIC FILENAME : MULTICONE_PANEL_24_F_RECT_3000K_WIDE_BEAM_CC_MO_47.0IN.IES

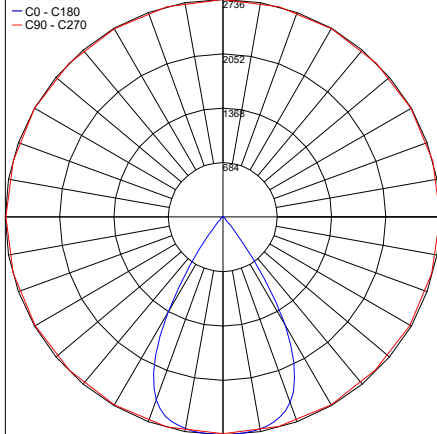
PANEL 24 F RECTANGLE Medium Output

Job Name/Date:

Fixture Type Designation:

PHOTOMETRIC DATA - Note: All photometry is 3000K

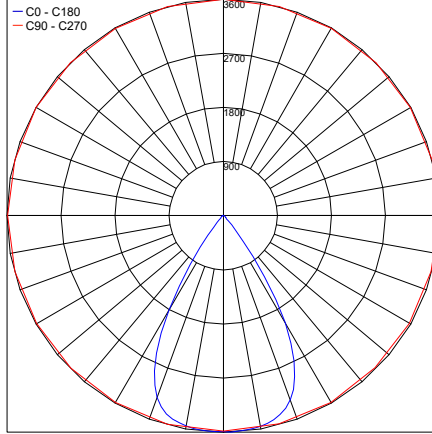
Maximum Candela = 2736.4



PHOTOMETRIC FILENAME : MULTICONE_PANEL_16_F_SQUARE_3000K_WIDE_BEAM_CC_HE_23.4IN.IES

PANEL 16 F SQUARE High Efficacy

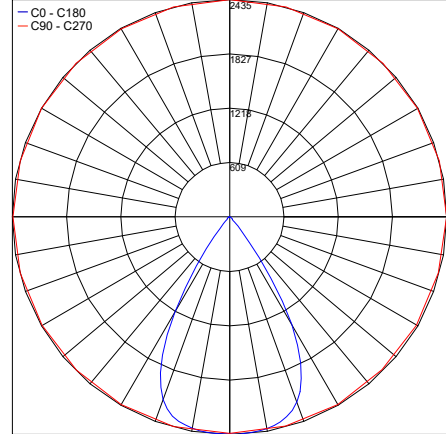
Maximum Candela = 3599.5



PHOTOMETRIC FILENAME : MULTICONE_PANEL_16_F_SQUARE_3000K_WIDE_BEAM_CC_HO_23.4IN.IES

PANEL 16 F SQUARE High Output

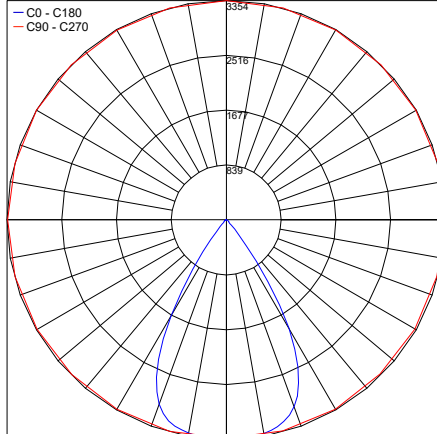
Maximum Candela = 2435.5



PHOTOMETRIC FILENAME : MULTICONE_PANEL_16_F_SQUARE_3000K_WIDE_BEAM_CC_LO_23.4IN.IES

PANEL 16 F SQUARE Low Output

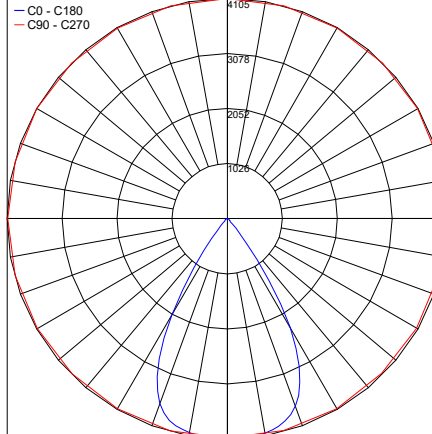
Maximum Candela = 3354.5



PHOTOMETRIC FILENAME : MULTICONE_PANEL_16_F_SQUARE_3000K_WIDE_BEAM_CC_MO_23.4IN.IES

PANEL 16 F SQUARE Medium Output

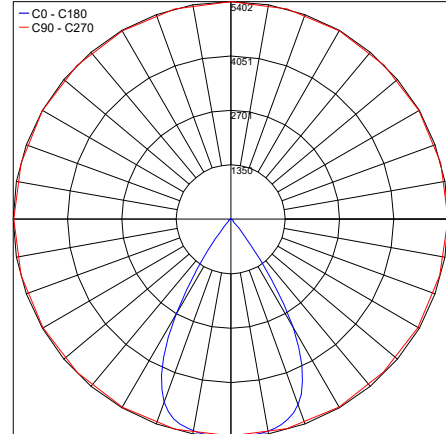
Maximum Candela = 4104.7



PHOTOMETRIC FILENAME : MULTICONE_PANEL_24_F_SQUARE_3000K_WIDE_BEAM_CC_HE_23.4IN.IES

PANEL 24 F SQUARE High Efficacy

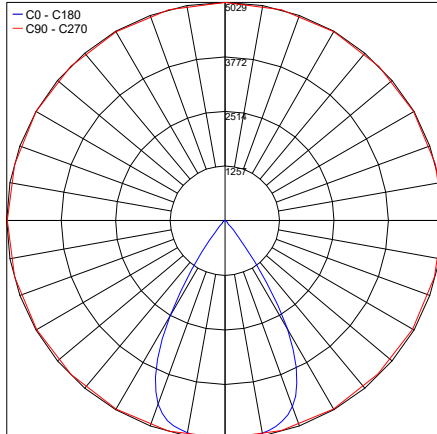
Maximum Candela = 5402



PHOTOMETRIC FILENAME : MULTICONE_PANEL_24_F_SQUARE_3000K_WIDE_BEAM_CC_HO_23.4IN.IES

PANEL 24 F SQUARE High Output

Maximum Candela = 5029



PHOTOMETRIC FILENAME : MULTICONE_PANEL_24_F_SQUARE_3000K_WIDE_BEAM_CC_MO_23.4IN.IES

PANEL 24 F SQUARE Medium Output

Job Name/Date:

Fixture Type Designation: