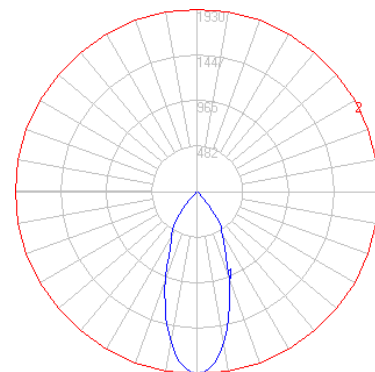


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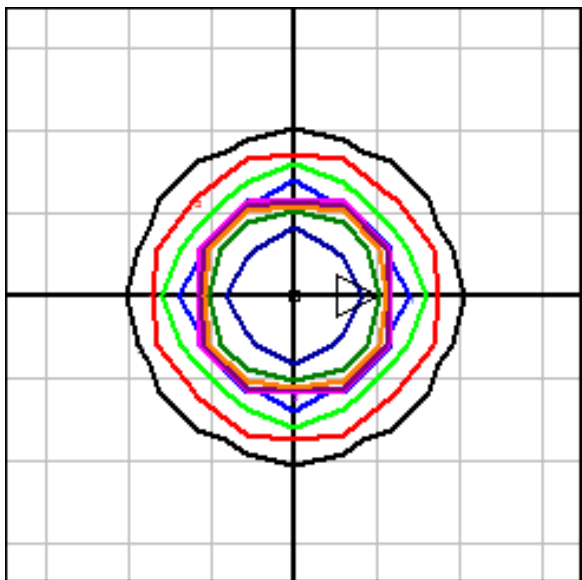
Photometric Filename: 77757.ies

TEST: L04121707
TEST LAB: BEGA
DATE: 4/24/2012
LUMINAIRE: 77 757
LAMP: 19W LED

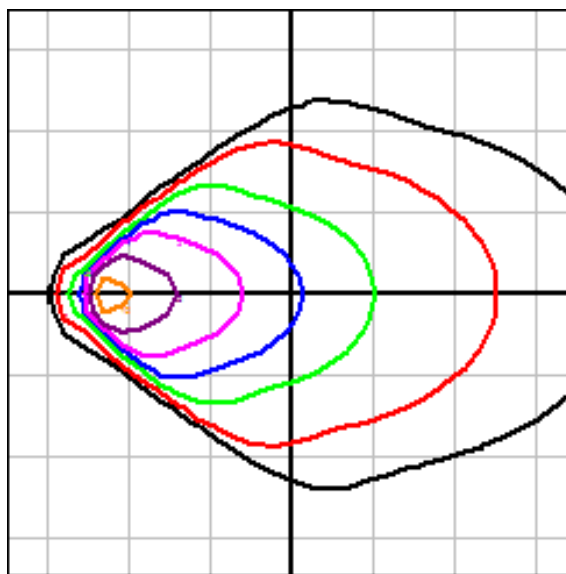


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	1929.812
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	40.6
Vertical Beam Angle (50%)	40.6
Horizontal Field Angle (10%)	80.3
Vertical Field Angle (10%)	80.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	536
Beam Efficiency	N.A.
Field Lumens	1095
Field Efficiency	N.A.
Spill Lumens	63
Luminaire Lumens	1158
Total Efficiency	N.A.
Total Luminaire Watts	20.93
Ballast Factor	1.00



Setback = 2.3 ft. Grid Spacing = 2 ft.



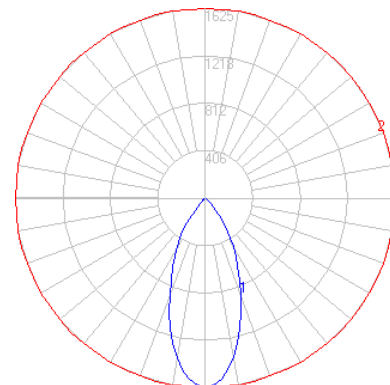
Beam Cross Section Grid Spacing = 3 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

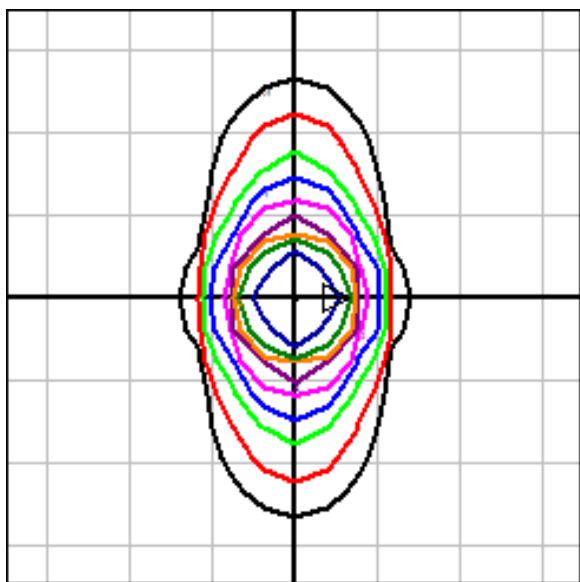
Photometric Filename: 77757_050.ies

TEST: NA
TEST LAB: BEGA
DATE: 05/02/2013
LUMINAIRE: 77 757 + 050
LAMP: 19W LED

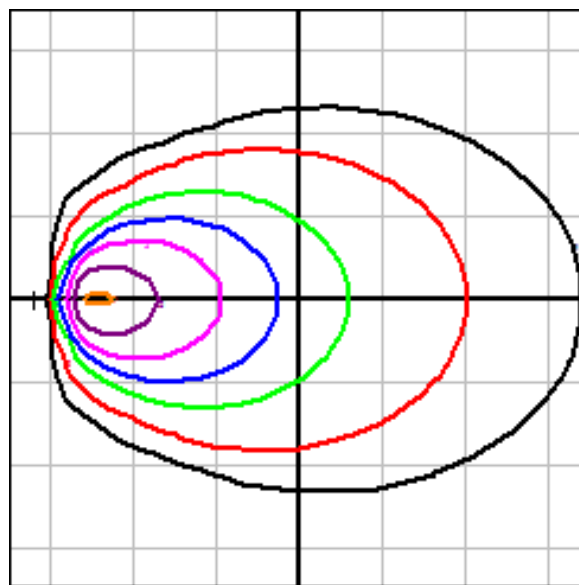


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	1624.6
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	47.9
Vertical Beam Angle (50%)	43.1
Horizontal Field Angle (10%)	90.3
Vertical Field Angle (10%)	79.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	556
Beam Efficiency	N.A.
Field Lumens	1037
Field Efficiency	N.A.
Spill Lumens	116
Luminaire Lumens	1153
Total Efficiency	N.A.
Total Luminaire Watts	22
Ballast Factor	1.00



Setback = 2.3 ft. Grid Spacing = 3 ft.



Beam Cross Section Grid Spacing = 3 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.