

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: IRiS

Report Number: H21268

Luminaire Tested: **PN3MR-E3AAC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H21268
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: IRiS
Catalog Number: PN3MR-E3AAC
Description: IRIS 3.5 IN RECESSED ADJUSTABLE DOWNLIGHT
WITH CLEAR LENS AND BEAM AT 0 DEGREES
Light Source: 65MR16Q/10/NSP/B 65 WATTS 1100 LUMENS
Ballast/Driver: -

Summary

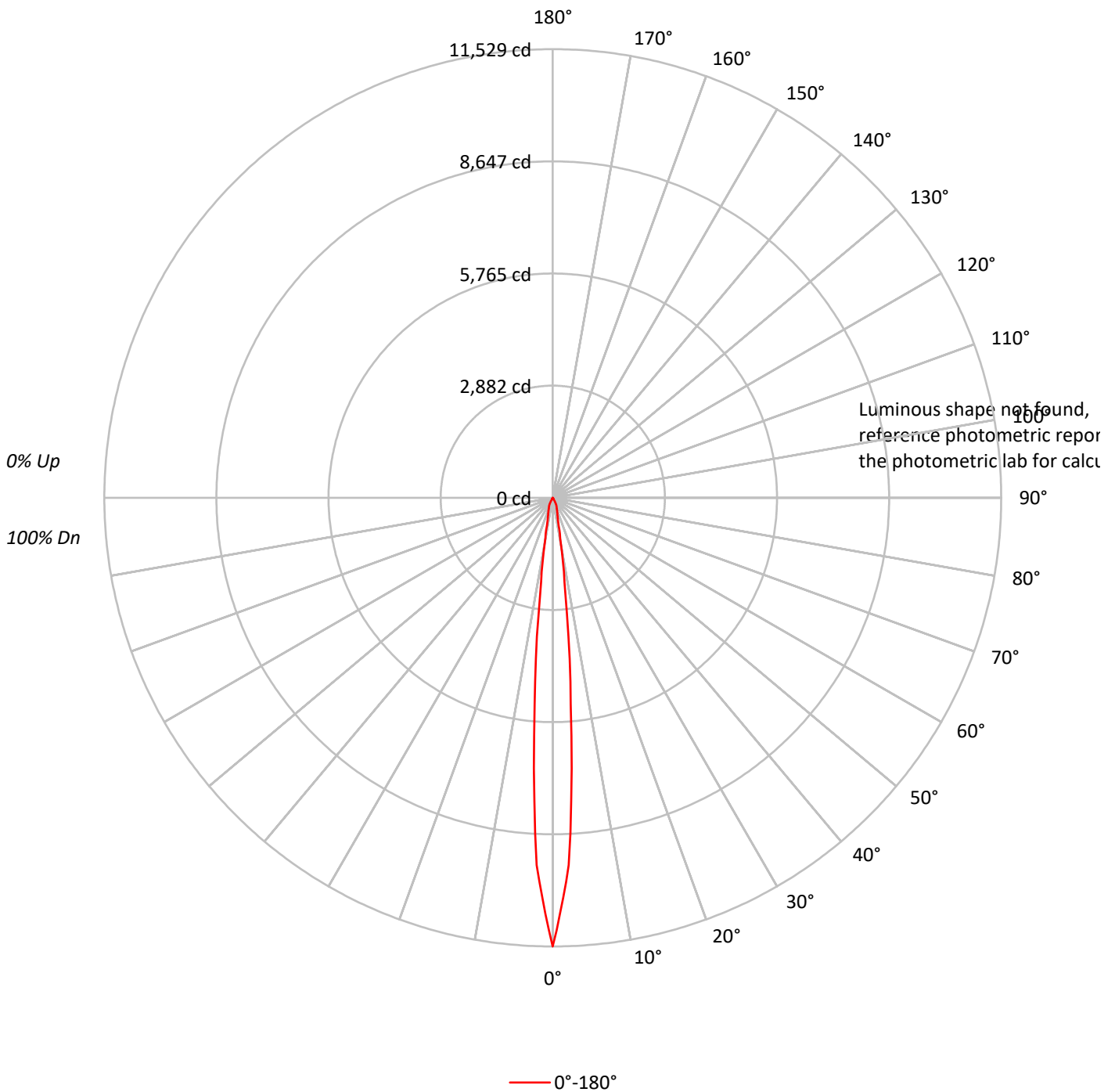
Lumens per Lamp: 1100 (1 lamp)
Luminaire Lumens: 642.8 lumens
Efficiency: 58.4%
Efficacy: 9.9 lumens/watt
Spacing Criteria (0/90/45): 0.16 / 0.16 / 0.17
Luminous Opening: (L: 0 ' x W: -0.29 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



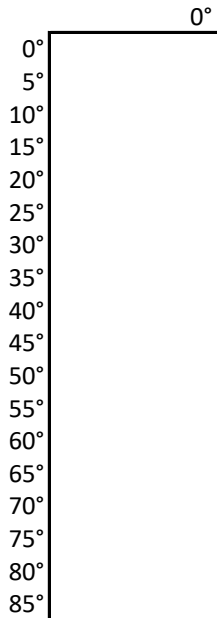


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	70	70	70	70	68	68	68	68	65	65	65	62	62	62	60	60	60	58
1	68	66	65	65	66	65	64	64	63	62	62	61	60	60	59	58	58	57
2	66	64	62	61	65	63	62	60	61	60	59	59	59	58	58	57	57	56
3	64	62	60	58	63	61	59	58	60	58	57	58	57	56	57	56	55	55
4	62	60	58	56	62	59	57	56	58	57	55	57	56	55	56	55	54	54
5	61	58	56	55	60	58	56	54	57	55	54	56	55	53	55	54	53	52
6	60	57	55	53	59	56	54	53	56	54	53	55	53	52	54	53	52	51
7	58	55	53	52	58	55	53	52	54	53	52	54	52	51	53	52	51	51
8	57	54	52	51	57	54	52	51	53	52	51	53	51	50	53	51	50	50
9	56	53	51	50	56	53	51	50	52	51	50	52	51	49	52	50	49	49
10	55	52	50	49	55	52	50	49	52	50	49	51	50	49	51	50	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	385.3	59.9	35.0	0°	11529	
10°-20°	145.3	22.6	13.2	5°	5317	385
20°-30°	89.4	13.9	8.1	15°	461	145
30°-40°	17.3	2.7	1.6	25°	215	89
40°-50°	5.5	0.8	0.5	35°	24	17
50°-60°	0.0	0.0	0.0	45°	6	5
60°-70°	0.0	0.0	0.0	55°	0	0
70°-80°	0.0	0.0	0.0	65°	0	0
80°-90°	0.0	0.0	0.0	75°	0	0
90°-100°	0.0	0.0	0.0	85°	0	0
100°-110°	0.0	0.0	0.0	90°	0	0
110°-120°	0.0	0.0	0.0	95°	0	0
120°-130°	0.0	0.0	0.0	105°	0	0
130°-140°	0.0	0.0	0.0	115°	0	0
140°-150°	0.0	0.0	0.0	125°	0	0
150°-160°	0.0	0.0	0.0	135°	0	0
160°-170°	0.0	0.0	0.0	145°	0	0
170°-180°	0.0	0.0	0.0	155°	0	0
0°-30°	620.1	96.5	56.4	165°	0	0
0°-40°	637.3	99.2	57.9	175°	0	0
0°-60°	642.8	100.0	58.4	180°	0	0
0°-90°	642.8	100.0	58.4			
90°-120°	0.0	0.0	0.0			
90°-150°	0.0	0.0	0.0			
90°-180°	0.0	0.0	0.0			
0°-180°	642.8	100.0	58.4			



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11529
2.5°	9449
5°	5317
7.5°	2425
10°	1158
12.5°	630
15°	461
17.5°	376
20°	302
22.5°	258
25°	215
27.5°	147
30°	58
32.5°	34
35°	24
37.5°	19
40°	14
42.5°	12
45°	6
47.5°	4
50°	0
52.5°	0
55°	0
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	0
130°	0
132.5°	0
135°	0
137.5°	0
140°	0
142.5°	0
145°	0
147.5°	0
150°	0
152.5°	0
155°	0
157.5°	0
160°	0
162.5°	0
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)