

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: RSA

Report Number: P12164

Luminaire Tested: **LED1035DFW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P12164
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: LED1035DFW
Description: RSA LED JOCKEY 3500K PUCK LIGHT SURFACE MOUNTING FIXTURE WITH
DROP FROSTED LENS, OSRAM OT9/100-120/350E LED DRIVER
---ABSOLUTE PHOTOMETRY:THIS TEST WAS NOT PERFORMED PER
LM79----
Light Source: LED1035DFW 5 LED LIGHT SOURCE 532 LUMENS EACH.
LED1035DFW
Ballast/Driver: OSRAM OPTOTRONIC OT 9/100-120/350E LED DRIVER 350 MA 0.6-9W.

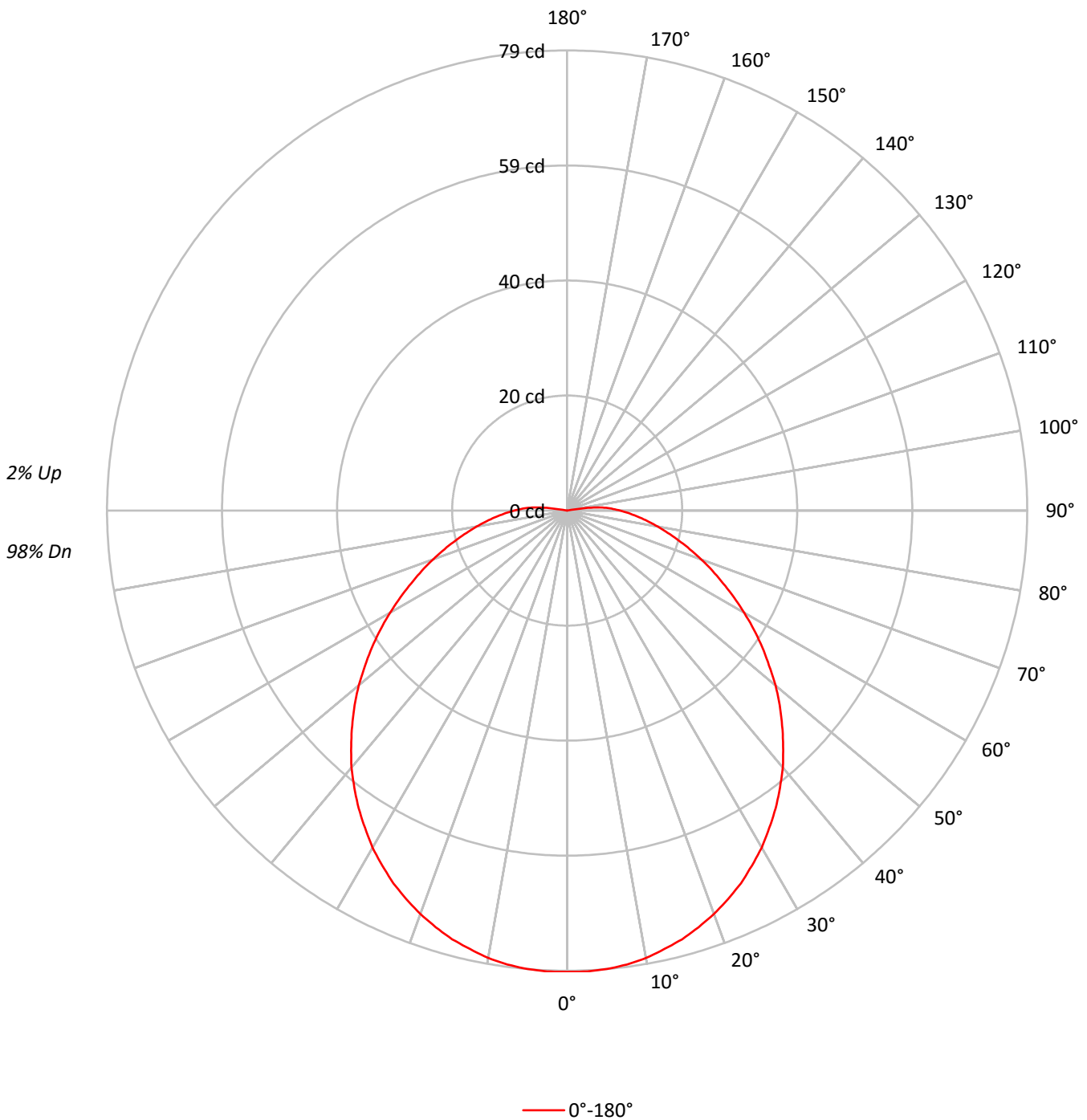
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 247.2 lumens
Efficiency: N/A
Efficacy: 25.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	107	101	96	92	103	98	94	90	94	90	87	89	86	84	85	83	81	78
2	96	87	80	74	93	85	78	73	81	75	71	78	73	69	74	70	67	64
3	88	76	68	61	85	75	67	60	71	64	59	68	62	57	65	60	56	54
4	80	68	58	51	78	66	57	51	63	56	50	61	54	49	58	53	48	46
5	74	60	51	44	71	59	50	44	57	49	43	54	48	42	52	46	42	39
6	68	54	45	38	66	53	44	38	51	43	38	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	45	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11115
5°	11129
10°	11115
15°	11071
20°	11007
25°	10932
30°	10825
35°	10691
40°	10552
45°	10360
50°	10196
55°	10007
60°	9852
65°	9796
70°	10053
75°	10736
80°	12769
85°	19645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	3.0
10°-20°	21.5	8.7
20°-30°	32.5	13.2
30°-40°	39.0	15.8
40°-50°	40.3	16.3
50°-60°	36.6	14.8
60°-70°	29.4	11.9
70°-80°	21.1	8.5
80°-90°	13.4	5.4
90°-100°	6.0	2.4
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°-30°	61.5	24.9
0°-40°	100.5	40.7
0°-60°	177.4	71.8
0°-90°	241.2	97.6
90°-120°	6.0	2.4
90°-150°	6.0	2.4
90°-180°	6.0	2.4
0°-180°	247.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	79	
5°	79	8
15°	76	21
25°	71	33
35°	62	39
45°	52	40
55°	41	37
65°	30	29
75°	20	21
85°	12	11
90°	9	5
95°	6	4
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	79.2
2.5°	79.2
5°	79.0
7.5°	78.6
10°	78.0
12.5°	77.1
15°	76.2
17.5°	75.0
20°	73.7
22.5°	72.2
25°	70.6
27.5°	68.7
30°	66.8
32.5°	64.6
35°	62.4
37.5°	60.0
40°	57.6
42.5°	54.9
45°	52.2
47.5°	49.5
50°	46.7
52.5°	43.7
55°	40.9
57.5°	38.0
60°	35.1
62.5°	32.3
65°	29.5
67.5°	27.0
70°	24.5
72.5°	22.1
75°	19.8
77.5°	17.7
80°	15.8
82.5°	13.9
85°	12.2
87.5°	10.6
90°	9.1
92.5°	7.6
95°	6.1
97.5°	3.6
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)