

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: P12163

Luminaire Tested: **LED1035FFW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P12163
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: LED1035FFW
Description: RSA LED JOCKEY PUCK LIGHT SURFACE MOUNTING FIXTURE WITH FROSTED FLAT GLASS LENS, OSRAM OT9/100-120/350E LED DRIVER
---ABSOLUTE PHOTOMETRY:THIS TEST WAS NOT PERFORMED PER LM79----
Light Source: LED1035FFW 5 LED LIGHT SOURCE 532 LUMENS EACH.
LED1035FFW
Ballast/Driver: OSRAM OPTOTRONIC OT9/100-120/350E 0.350A 0.6-9W

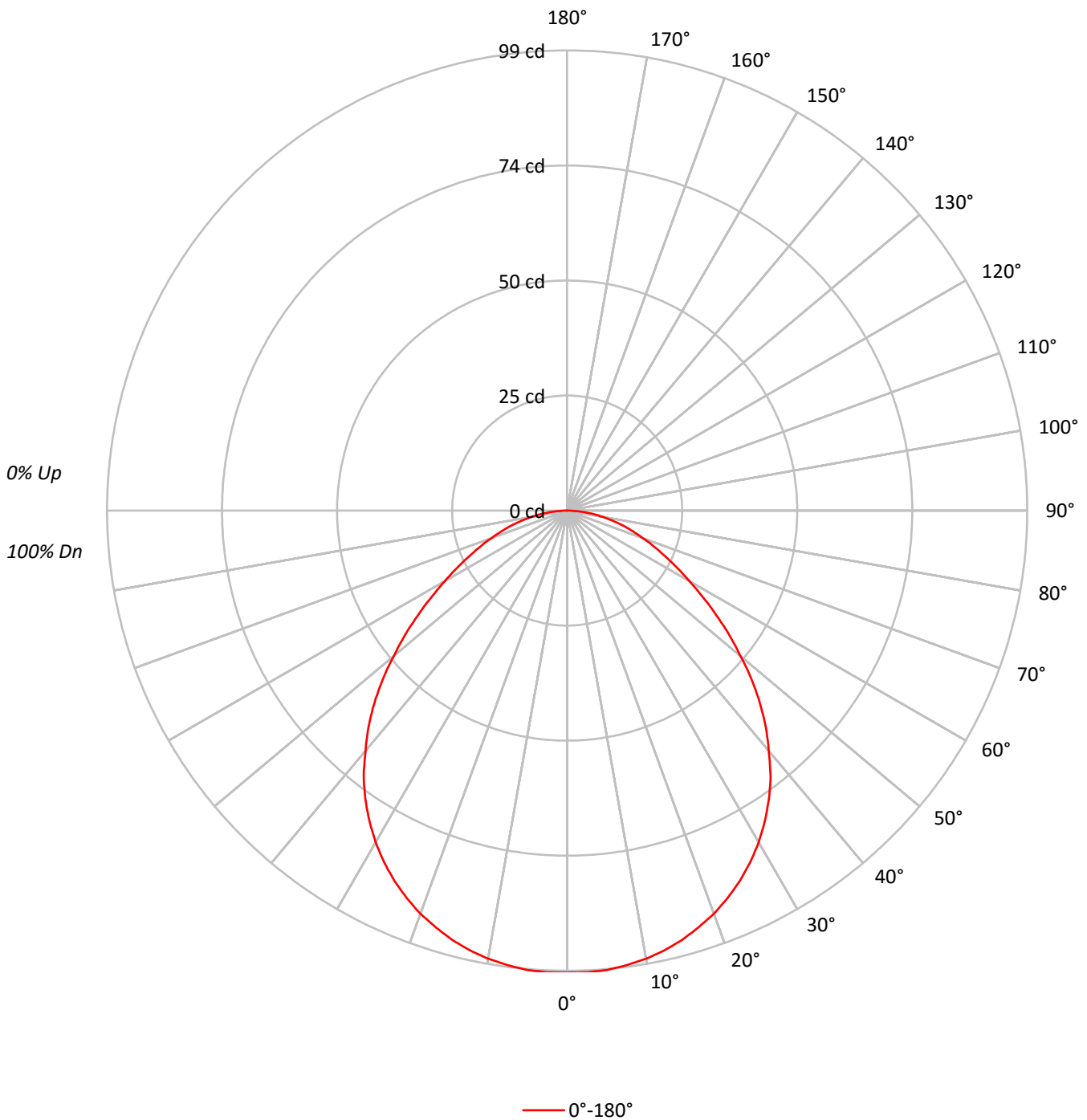
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 244.5 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.31
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78		84	80	76		81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	65	57	50	63	55	50		61	54	49		59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39		50	44	39		49	43	39	37
8	63	50	41	36	61	49	41	35	48	40	35		46	40	35		45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13950
5°	13975
10°	13951
15°	13890
20°	13785
25°	13611
30°	13353
35°	12969
40°	12366
45°	11650
50°	10633
55°	9567
60°	8533
65°	7704
70°	7140
75°	6724
80°	6223
85°	5314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	3.9
10°-20°	27.0	11.0
20°-30°	40.5	16.5
30°-40°	47.2	19.3
40°-50°	45.1	18.5
50°-60°	35.1	14.4
60°-70°	23.2	9.5
70°-80°	13.1	5.4
80°-90°	3.8	1.6
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°-30°	76.8	31.4
0°-40°	124.0	50.7
0°-60°	204.3	83.6
0°-90°	244.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	99	
5°	99	9
15°	96	27
25°	88	40
35°	76	47
45°	59	45
55°	39	35
65°	23	23
75°	12	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	99.4
2.5°	99.4
5°	99.2
7.5°	98.6
10°	97.9
12.5°	96.9
15°	95.6
17.5°	94.0
20°	92.3
22.5°	90.2
25°	87.9
27.5°	85.3
30°	82.4
32.5°	79.2
35°	75.7
37.5°	71.9
40°	67.5
42.5°	63.3
45°	58.7
47.5°	53.9
50°	48.7
52.5°	44.0
55°	39.1
57.5°	34.6
60°	30.4
62.5°	26.7
65°	23.2
67.5°	20.2
70°	17.4
72.5°	14.8
75°	12.4
77.5°	10.0
80°	7.7
82.5°	5.6
85°	3.3
87.5°	1.3
90°	0.0

(END OF REPORT)