

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: PORTFOLIO

Report Number: P249884

Luminaire Tested: **LSR8B100D010 EC8B100835 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100835 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10575.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

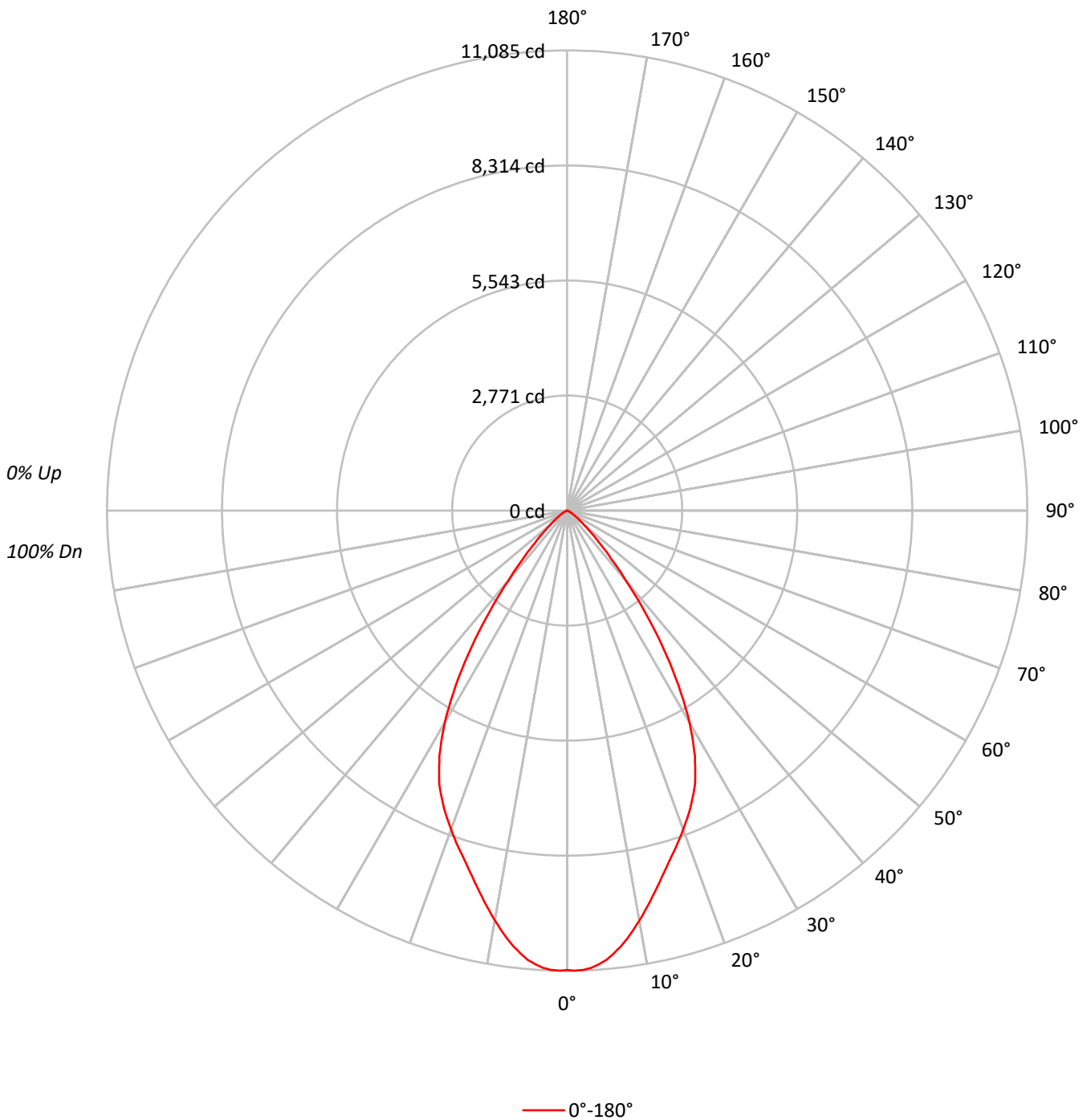
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	341315
5°	336288
10°	313843
15°	288077
20°	268301
25°	247886
30°	210211
35°	151224
40°	89086
45°	47608
50°	24840
55°	14010
60°	7728
65°	4575
70°	2083
75°	1180
80°	586
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.1	9.5
10°-20°	2538.9	24.0
20°-30°	3296.0	31.2
30°-40°	2487.7	23.5
40°-50°	910.3	8.6
50°-60°	254.5	2.4
60°-70°	66.9	0.6
70°-80°	11.3	0.1
80°-90°	0.4	0.0
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°	6843.9	64.7
0°-40°	9331.7	88.2
0°-60°	10496.4	99.3
0°-90°	10575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10575.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11069	
5°	10864	###
15°	9024	2539
25°	7286	3296
35°	4017	2488
45°	1092	910
55°	261	254
65°	63	67
75°	10	11
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11068.6
1°	11085.1
2°	11071.9
3°	11029.1
4°	10956.5
5°	10864.1
6°	10728.9
7°	10580.5
8°	10409.0
9°	10221.0
10°	10023.1
11°	9825.2
12°	9620.7
13°	9413.0
14°	9215.1
15°	9023.8
16°	8842.4
17°	8667.6
18°	8509.3
19°	8344.4
20°	8176.1
22.5°	7757.3
25°	7285.6
27.5°	6662.3
30°	5903.7
32.5°	4990.1
35°	4017.2
37.5°	3067.3
40°	2213.1
42.5°	1566.6
45°	1091.7
47.5°	768.5
50°	517.8
52.5°	379.3
55°	260.6
57.5°	188.0
60°	125.3
62.5°	92.3
65°	62.7
67.5°	42.9
70°	23.1
72.5°	16.5
75°	9.9
77.5°	3.3
80°	3.3



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)