

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: P247048

Luminaire Tested: **LSR8B100D010 EC8B100827 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B100827 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10868.0 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

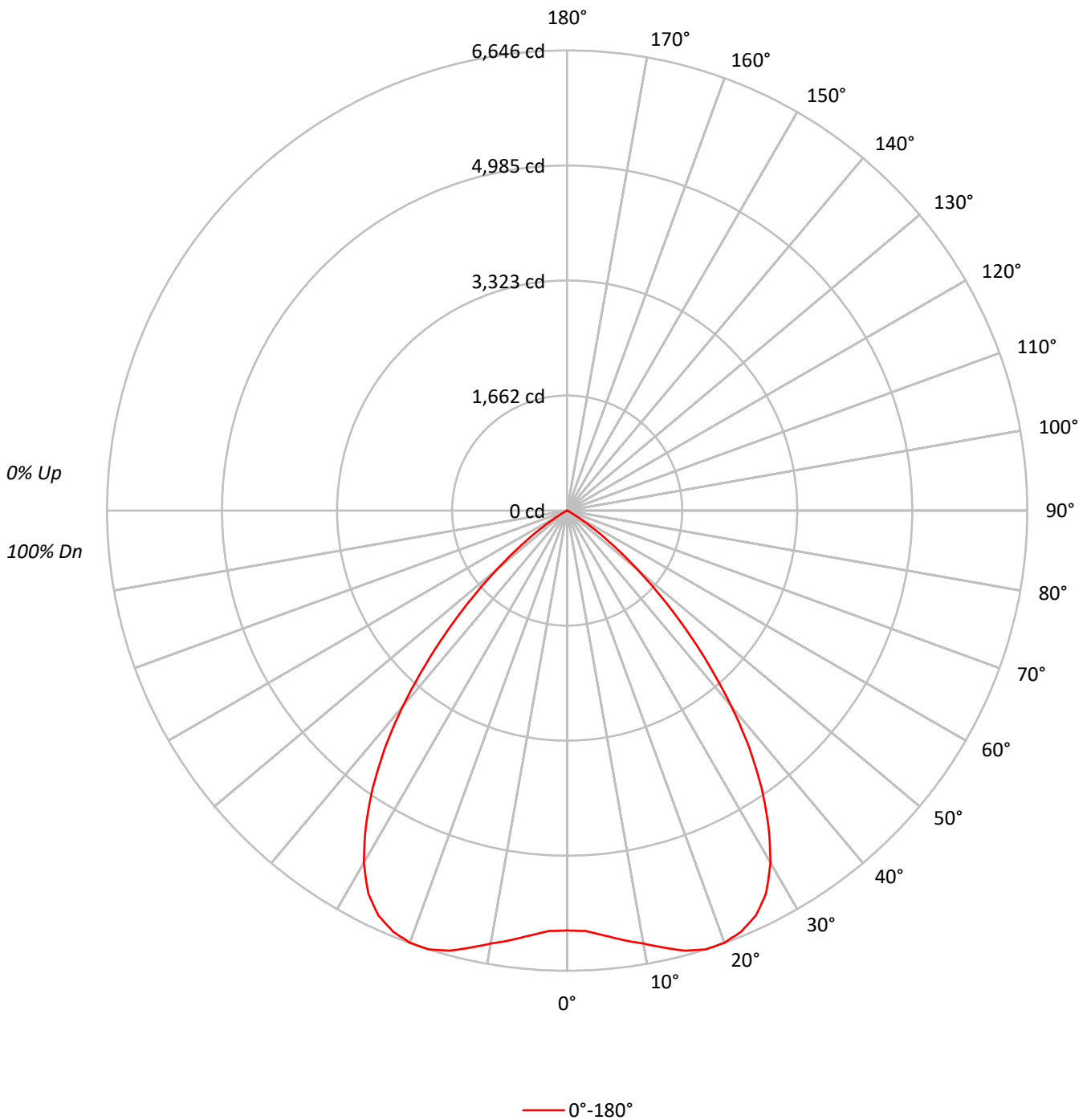
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92					92			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75					75			
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68					68			
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62					62			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56					56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51					51			
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47					47			
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43					43			
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39					39			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	187010
5°	190656
10°	198834
15°	210070
20°	217943
25°	219527
30°	209147
35°	184479
40°	148718
45°	105586
50°	63454
55°	28590
60°	7370
65°	1591
70°	784
75°	524
80°	266
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	594.1	5.5
10°-20°	1860.4	17.1
20°-30°	2942.1	27.1
30°-40°	3023.1	27.8
40°-50°	1875.3	17.3
50°-60°	531.7	4.9
60°-70°	35.9	0.3
70°-80°	4.8	0.0
80°-90°	0.6	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°	5396.7	49.7
0°-40°	8419.7	77.5
0°-60°	10826.7	99.6
0°-90°	10868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10868.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6065	
5°	6159	594
15°	6580	1860
25°	6452	2942
35°	4901	3023
45°	2421	1875
55°	532	532
65°	22	36
75°	4	5
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6064.6
2.5°	6076.2
5°	6159.3
7.5°	6256.9
10°	6350.1
12.5°	6465.2
15°	6580.3
17.5°	6645.8
20°	6641.5
22.5°	6577.4
25°	6452.1
27.5°	6224.8
30°	5873.8
32.5°	5412.0
35°	4900.6
37.5°	4322.3
40°	3694.5
42.5°	3041.7
45°	2421.2
47.5°	1844.3
50°	1322.7
52.5°	890.2
55°	531.8
57.5°	273.9
60°	119.5
62.5°	48.1
65°	21.8
67.5°	13.1
70°	8.7
72.5°	5.9
75°	4.4
77.5°	2.9
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)