

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: P247056

Luminaire Tested: **LSR8B100D010 EC8B100835 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247056
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 EC8B100835 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11585.0 lumens
Efficiency: N/A
Efficacy: 109.0 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

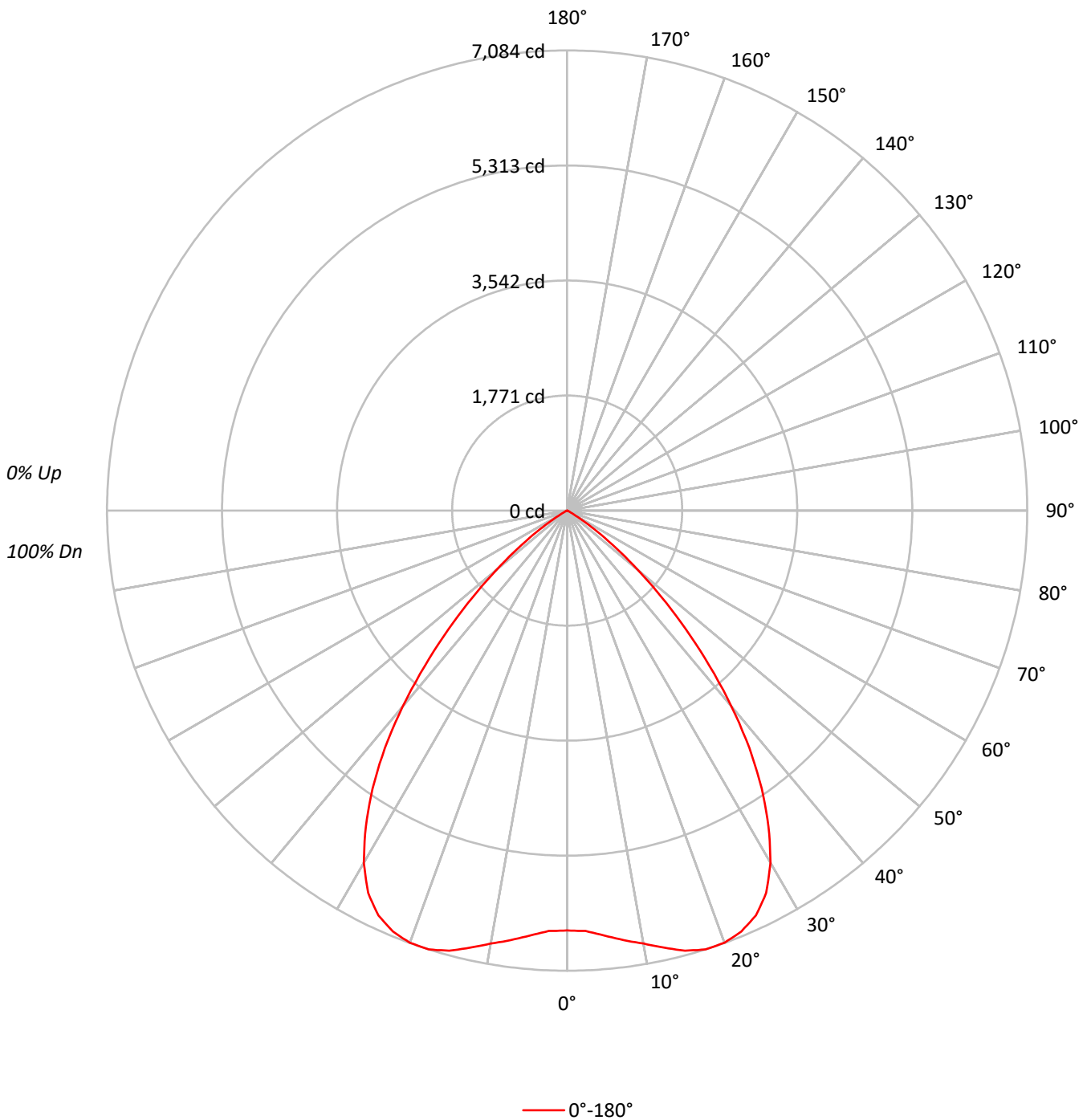
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	199348
5°	203235
10°	211951
15°	223928
20°	232323
25°	234011
30°	222944
35°	196649
40°	158528
45°	112551
50°	67642
55°	30472
60°	7857
65°	1693
70°	838
75°	560
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.3	5.5
10°-20°	1983.1	17.1
20°-30°	3136.2	27.1
30°-40°	3222.5	27.8
40°-50°	1999.0	17.3
50°-60°	566.7	4.9
60°-70°	38.3	0.3
70°-80°	5.1	0.0
80°-90°	0.7	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°	5752.7	49.7
0°-40°	8975.2	77.5
0°-60°	11540.9	99.6
0°-90°	11585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11585.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6465	
5°	6566	633
15°	7014	1983
25°	6878	3136
35°	5224	3223
45°	2581	1999
55°	567	567
65°	23	38
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6464.7
2.5°	6477.1
5°	6565.7
7.5°	6669.7
10°	6769.0
12.5°	6891.7
15°	7014.4
17.5°	7084.2
20°	7079.7
22.5°	7011.3
25°	6877.8
27.5°	6635.5
30°	6261.3
32.5°	5769.0
35°	5223.9
37.5°	4607.5
40°	3938.2
42.5°	3242.4
45°	2580.9
47.5°	1966.0
50°	1410.0
52.5°	948.9
55°	566.8
57.5°	292.0
60°	127.4
62.5°	51.3
65°	23.2
67.5°	14.0
70°	9.3
72.5°	6.3
75°	4.7
77.5°	3.1
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)