

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: P247052

Luminaire Tested: **LSR8B100D010 EC8B100830 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247052
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 EC8B100830 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11139.9 lumens
Efficiency: N/A
Efficacy: 104.8 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

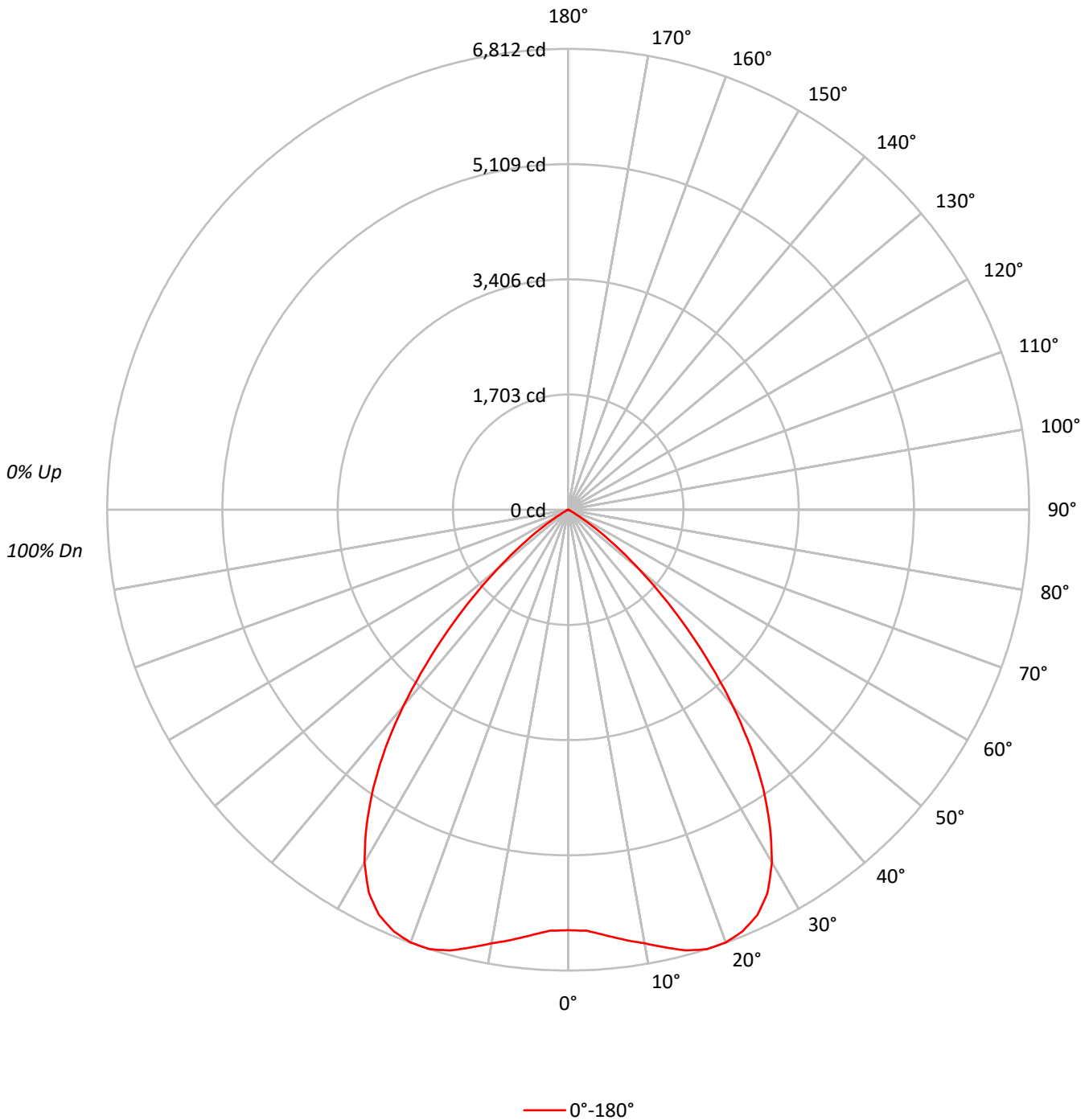
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191691
5°	195429
10°	203810
15°	215328
20°	223397
25°	225022
30°	214381
35°	189098
40°	152438
45°	108229
50°	65042
55°	29305
60°	7555
65°	1627
70°	802
75°	536
80°	266
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.0	5.5
10°-20°	1907.0	17.1
20°-30°	3015.7	27.1
30°-40°	3098.8	27.8
40°-50°	1922.2	17.3
50°-60°	545.0	4.9
60°-70°	36.8	0.3
70°-80°	4.9	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°	5531.7	49.7
0°-40°	8630.5	77.5
0°-60°	11097.6	99.6
0°-90°	11139.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11139.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6216	
5°	6314	609
15°	6745	1907
25°	6614	3016
35°	5023	3099
45°	2482	1922
55°	545	545
65°	22	37
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6216.4
2.5°	6228.3
5°	6313.5
7.5°	6413.5
10°	6509.0
12.5°	6627.0
15°	6745.0
17.5°	6812.1
20°	6807.7
22.5°	6742.0
25°	6613.6
27.5°	6380.6
30°	6020.8
32.5°	5547.4
35°	5023.3
37.5°	4430.5
40°	3786.9
42.5°	3117.8
45°	2481.8
47.5°	1890.5
50°	1355.8
52.5°	912.4
55°	545.1
57.5°	280.8
60°	122.5
62.5°	49.3
65°	22.3
67.5°	13.4
70°	8.9
72.5°	6.0
75°	4.5
77.5°	3.0
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)