

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: P246541

Luminaire Tested: **LSR8B15D010 EC8B15830 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15830 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1506.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

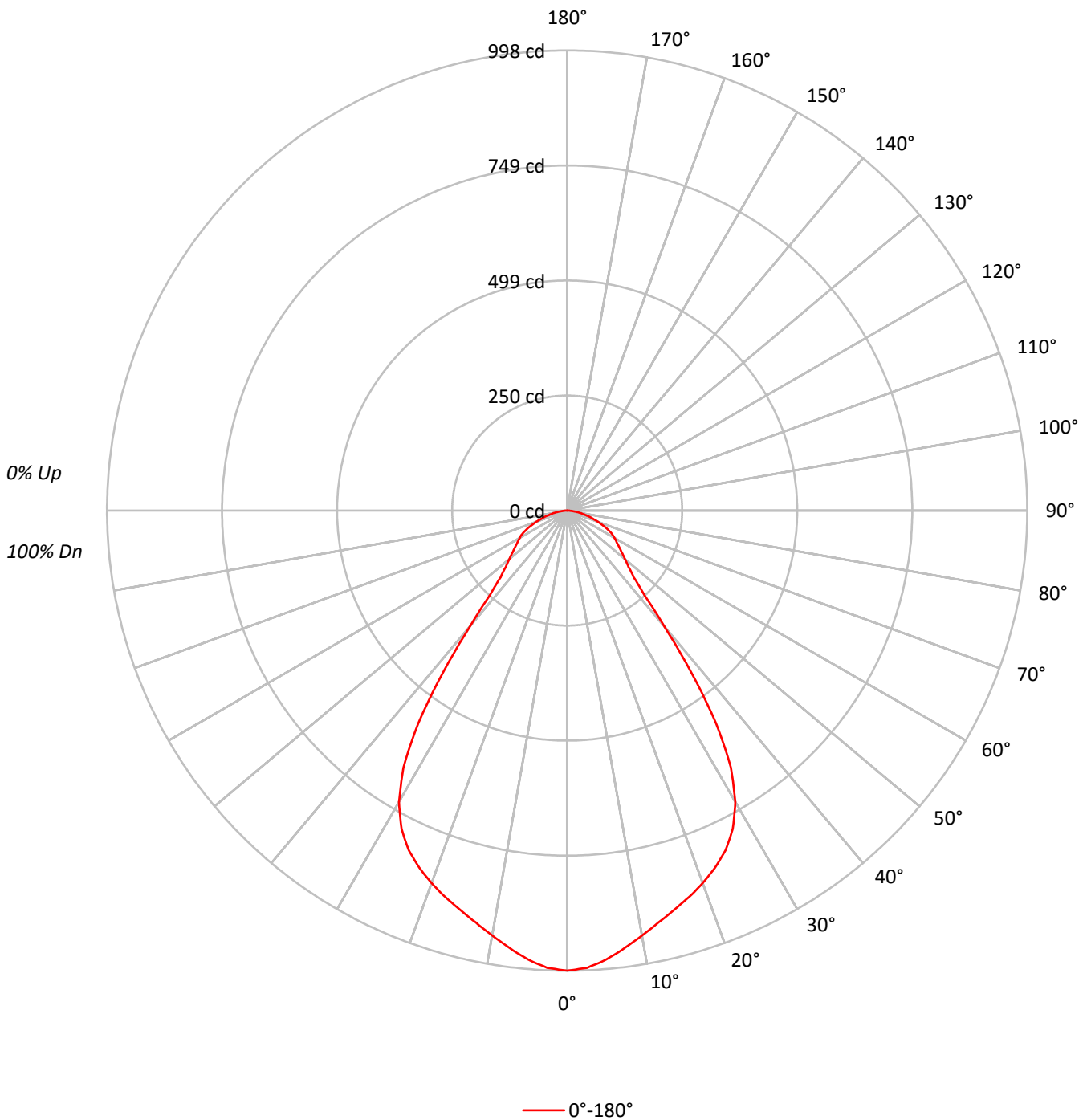
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246541

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246541

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30768
5°	30251
10°	29299
15°	28623
20°	28215
25°	27662
30°	25972
35°	21201
40°	13131
45°	8896
50°	7839
55°	7398
60°	7333
65°	7107
70°	6374
75°	5516
80°	4670
85°	3715



TEST NUMBER: P246541

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	6.1
10°-20°	253.2	16.8
20°-30°	371.4	24.7
30°-40°	339.4	22.5
40°-50°	168.1	11.2
50°-60°	124.3	8.3
60°-70°	95.5	6.3
70°-80°	49.8	3.3
80°-90°	12.4	0.8
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°	716.5	47.6
0°-40°	1056.0	70.1
0°-60°	1348.3	89.5
0°-90°	1506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1506.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	998	
5°	977	92
15°	897	253
25°	813	371
35°	563	339
45°	204	168
55°	138	124
65°	97	96
75°	46	50
85°	10	12
90°	0	



TEST NUMBER: P246541

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBW0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	997.8
2.5°	992.6
5°	977.3
7.5°	956.8
10°	935.7
12.5°	915.2
15°	896.6
17.5°	878.9
20°	859.8
22.5°	838.3
25°	813.0
27.5°	778.1
30°	729.4
32.5°	661.1
35°	563.2
37.5°	441.8
40°	326.2
42.5°	247.0
45°	204.0
47.5°	180.6
50°	163.4
52.5°	149.5
55°	137.6
57.5°	127.5
60°	118.9
62.5°	109.9
65°	97.4
67.5°	84.1
70°	70.7
72.5°	58.3
75°	46.3
77.5°	35.8
80°	26.3
82.5°	18.2
85°	10.5
87.5°	3.8
90°	0.0

(END OF REPORT)