

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: P244021

Luminaire Tested: **LSR8B15D010 EC8B15830 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15830 8LBS0LI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 1660.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

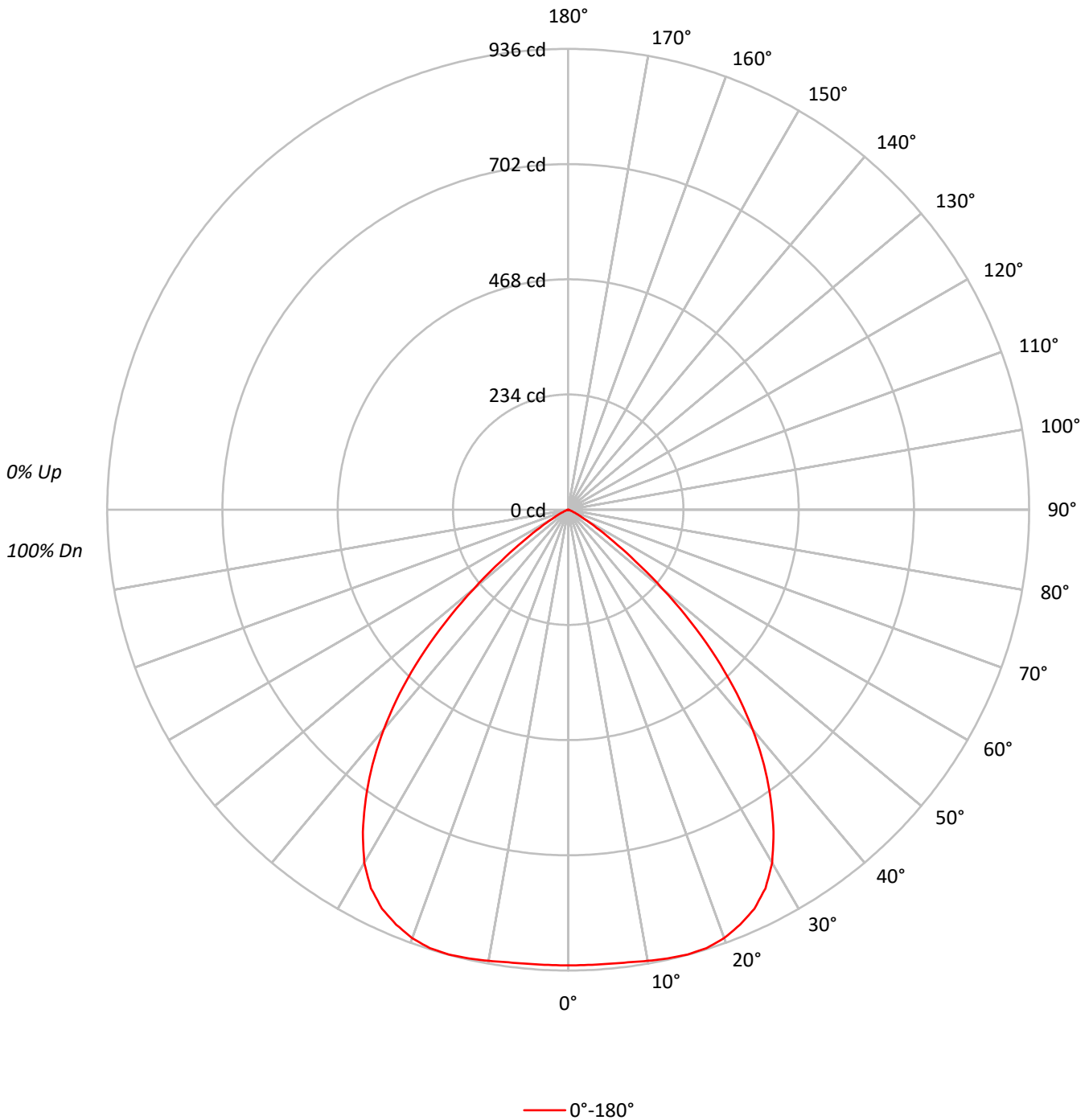
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244021

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBSOLI

Luminous Intensity Polar Plot





TEST NUMBER: P244021

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBSOLI

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28539
5°	28664
10°	29130
15°	29865
20°	30387
25°	30421
30°	29479
35°	26991
40°	23456
45°	18560
50°	12036
55°	6016
60°	2522
65°	1109
70°	343
75°	167
80°	178
85°	177



TEST NUMBER: P244021

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBS0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	5.3
10°-20°	264.4	15.9
20°-30°	409.5	24.7
30°-40°	444.7	26.8
40°-50°	323.2	19.5
50°-60°	109.9	6.6
60°-70°	17.5	1.1
70°-80°	1.9	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°	762.4	45.9
0°-40°	1207.2	72.7
0°-60°	1640.2	98.8
0°-90°	1660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1660.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	926	
5°	926	89
15°	936	264
25°	894	410
35°	717	445
45°	426	323
55°	112	110
65°	15	17
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P244021

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBSOLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	925.5
2.5°	925.5
5°	926.0
7.5°	927.4
10°	930.3
12.5°	933.6
15°	935.5
17.5°	933.6
20°	926.0
22.5°	912.2
25°	894.1
27.5°	867.0
30°	827.9
32.5°	776.0
35°	717.0
37.5°	652.7
40°	582.7
42.5°	507.0
45°	425.6
47.5°	338.0
50°	250.9
52.5°	171.9
55°	111.9
57.5°	68.1
60°	40.9
62.5°	25.2
65°	15.2
67.5°	8.6
70°	3.8
72.5°	2.4
75°	1.4
77.5°	1.0
80°	1.0
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)