

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: P246313

Luminaire Tested: **LSR8B15D010 EC8B15930 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15930 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 819.4 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

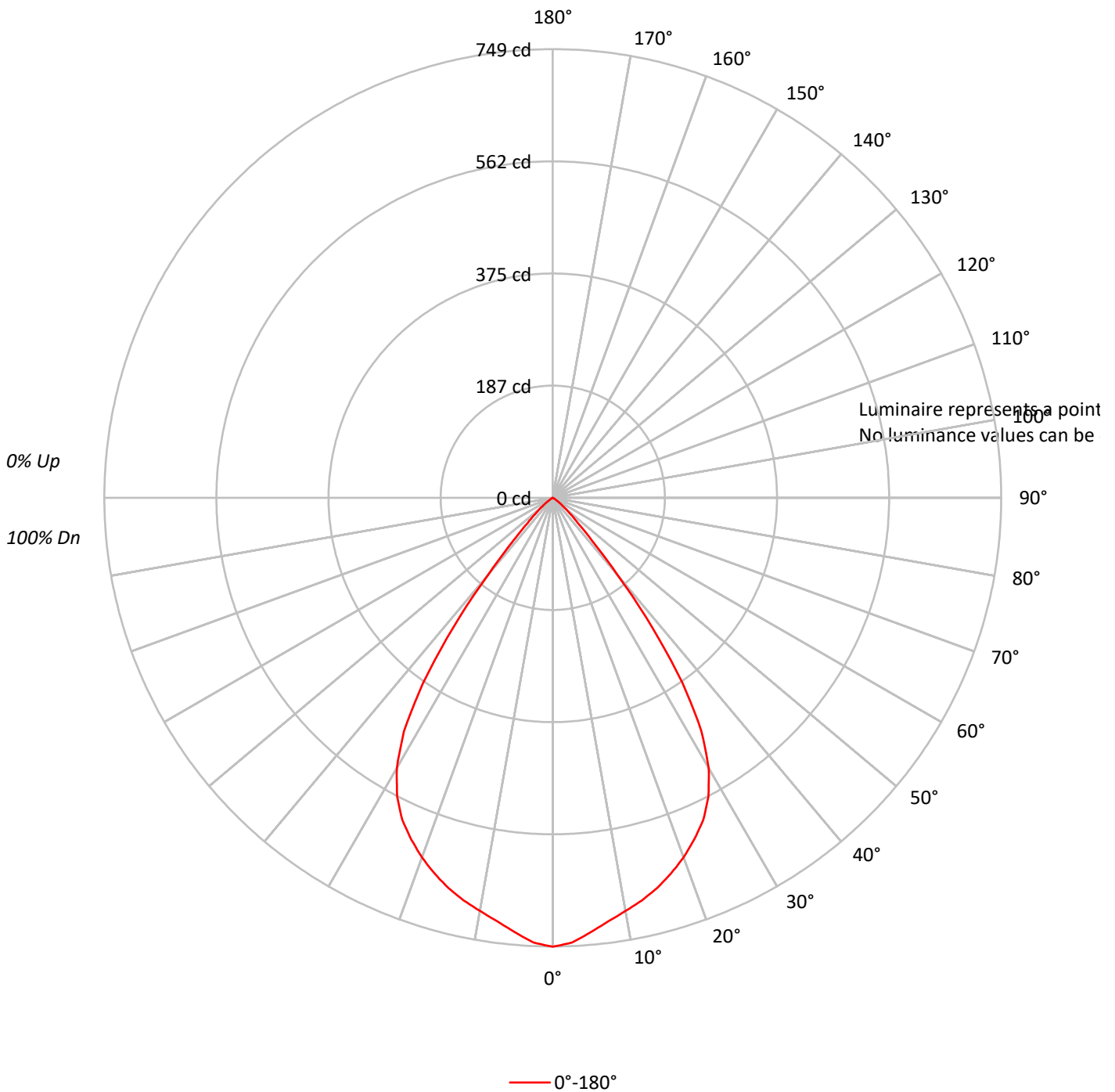
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246313

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBW0B

Luminous Intensity Polar Plot





TEST NUMBER: P246313

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBW0B

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	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93	93	93	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80	80	80	80			
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	74	74	74	74			
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	70	68	68	68	68			
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	65	63	63	63	63			
7	82	72	66	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58	58	58	58			
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54			
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51	51	51	51			
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47	47	47	47			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P246313

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	8.4
10°-20°	189.7	23.1
20°-30°	270.8	33.0
30°-40°	224.5	27.4
40°-50°	55.4	6.8
50°-60°	9.9	1.2
60°-70°	0.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	529.1	64.6
0°-40°	753.6	92.0
0°-60°	818.9	99.9
0°-90°	819.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	749	
5°	728	69
15°	674	190
25°	594	271
35°	378	224
45°	59	55
55°	10	10
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246313

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBW0B

CANDELA DISTRIBUTION (FULL):

0°	
0°	749.4
2.5°	743.1
5°	727.8
7.5°	712.7
10°	700.3
12.5°	688.2
15°	674.1
17.5°	657.4
20°	638.6
22.5°	617.4
25°	594.1
27.5°	562.5
30°	520.9
32.5°	462.3
35°	377.8
37.5°	273.0
40°	168.2
42.5°	97.8
45°	59.1
47.5°	39.1
50°	26.2
52.5°	17.0
55°	9.5
57.5°	4.6
60°	2.1
62.5°	0.8
65°	0.4
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)