

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: P246583

Luminaire Tested: **LSR8B15D010 EC8B15940 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246583
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 EC8B15940 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1395.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

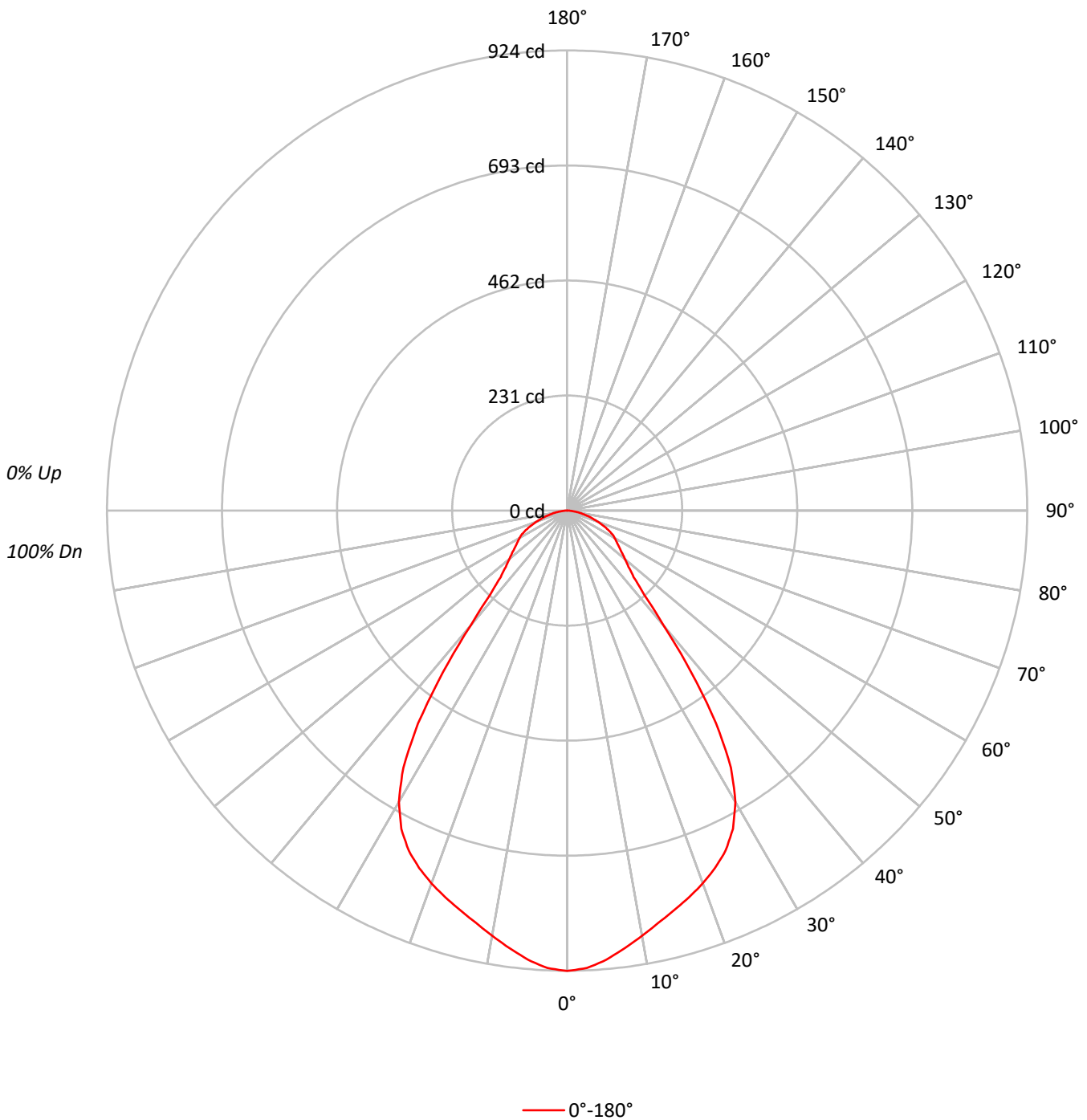
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28502
5°	28023
10°	27141
15°	26513
20°	26134
25°	25624
30°	24056
35°	19639
40°	12165
45°	8238
50°	7258
55°	6849
60°	6796
65°	6589
70°	5905
75°	5111
80°	4315
85°	3432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	6.1
10°-20°	234.6	16.8
20°-30°	344.0	24.7
30°-40°	314.4	22.5
40°-50°	155.6	11.2
50°-60°	115.1	8.3
60°-70°	88.5	6.3
70°-80°	46.1	3.3
80°-90°	11.5	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°	663.7	47.6
0°-40°	978.1	70.1
0°-60°	1248.9	89.5
0°-90°	1395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1395.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	924	
5°	905	85
15°	830	235
25°	753	344
35°	522	314
45°	189	156
55°	127	115
65°	90	89
75°	43	46
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	924.3
2.5°	919.4
5°	905.3
7.5°	886.2
10°	866.8
12.5°	847.7
15°	830.5
17.5°	814.1
20°	796.4
22.5°	776.5
25°	753.1
27.5°	720.8
30°	675.6
32.5°	612.4
35°	521.7
37.5°	409.3
40°	302.2
42.5°	228.7
45°	188.9
47.5°	167.2
50°	151.3
52.5°	138.5
55°	127.4
57.5°	118.1
60°	110.2
62.5°	101.8
65°	90.3
67.5°	77.9
70°	65.5
72.5°	54.0
75°	42.9
77.5°	33.2
80°	24.3
82.5°	16.8
85°	9.7
87.5°	3.5
90°	0.0

(END OF REPORT)