

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: P244303

Luminaire Tested: **LSR8B15D010 EC8B15827 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15827 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1328.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

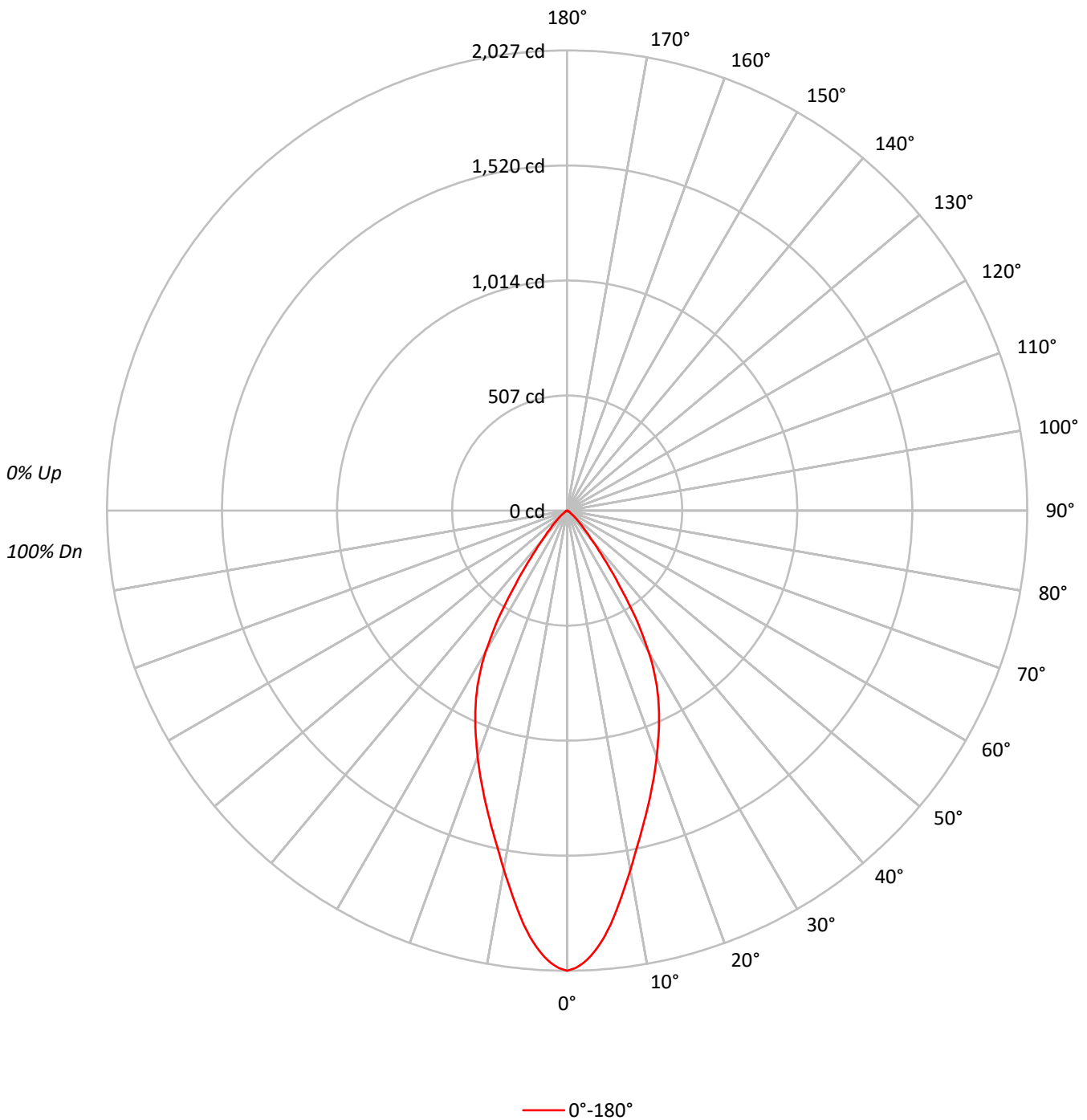
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62511
5°	58308
10°	50262
15°	43497
20°	37839
25°	32517
30°	25551
35°	14907
40°	6879
45°	3559
50°	1785
55°	866
60°	444
65°	263
70°	117
75°	107
80°	71
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	12.8
10°-20°	381.0	28.7
20°-30°	433.1	32.6
30°-40°	254.4	19.2
40°-50°	68.3	5.1
50°-60°	16.2	1.2
60°-70°	3.7	0.3
70°-80°	0.8	0.1
80°-90°	0.1	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°	984.6	74.1
0°-40°	1239.0	93.3
0°-60°	1323.4	99.7
0°-90°	1328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1328.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2027	
5°	1884	170
15°	1362	381
25°	956	433
35°	396	254
45°	82	68
55°	16	16
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2027.2
1°	2016.0
2°	1995.4
3°	1966.2
4°	1928.5
5°	1883.7
6°	1833.0
7°	1775.6
8°	1718.2
9°	1660.3
10°	1605.2
11°	1551.3
12°	1500.7
13°	1453.6
14°	1406.5
15°	1362.5
16°	1319.5
17°	1276.9
18°	1235.6
19°	1193.9
20°	1153.1
21°	1112.3
22°	1073.3
23°	1034.7
24°	995.2
25°	955.7
26°	914.9
27°	870.5
28°	823.9
29°	772.8
30°	717.6
32.5°	562.9
35°	396.0
37.5°	261.0
40°	170.9
42.5°	118.0
45°	81.6
47.5°	56.1
50°	37.2
52.5°	24.2
55°	16.1
57.5°	10.8
60°	7.2
62.5°	4.9
65°	3.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)