

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: P251013

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70835 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7323.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

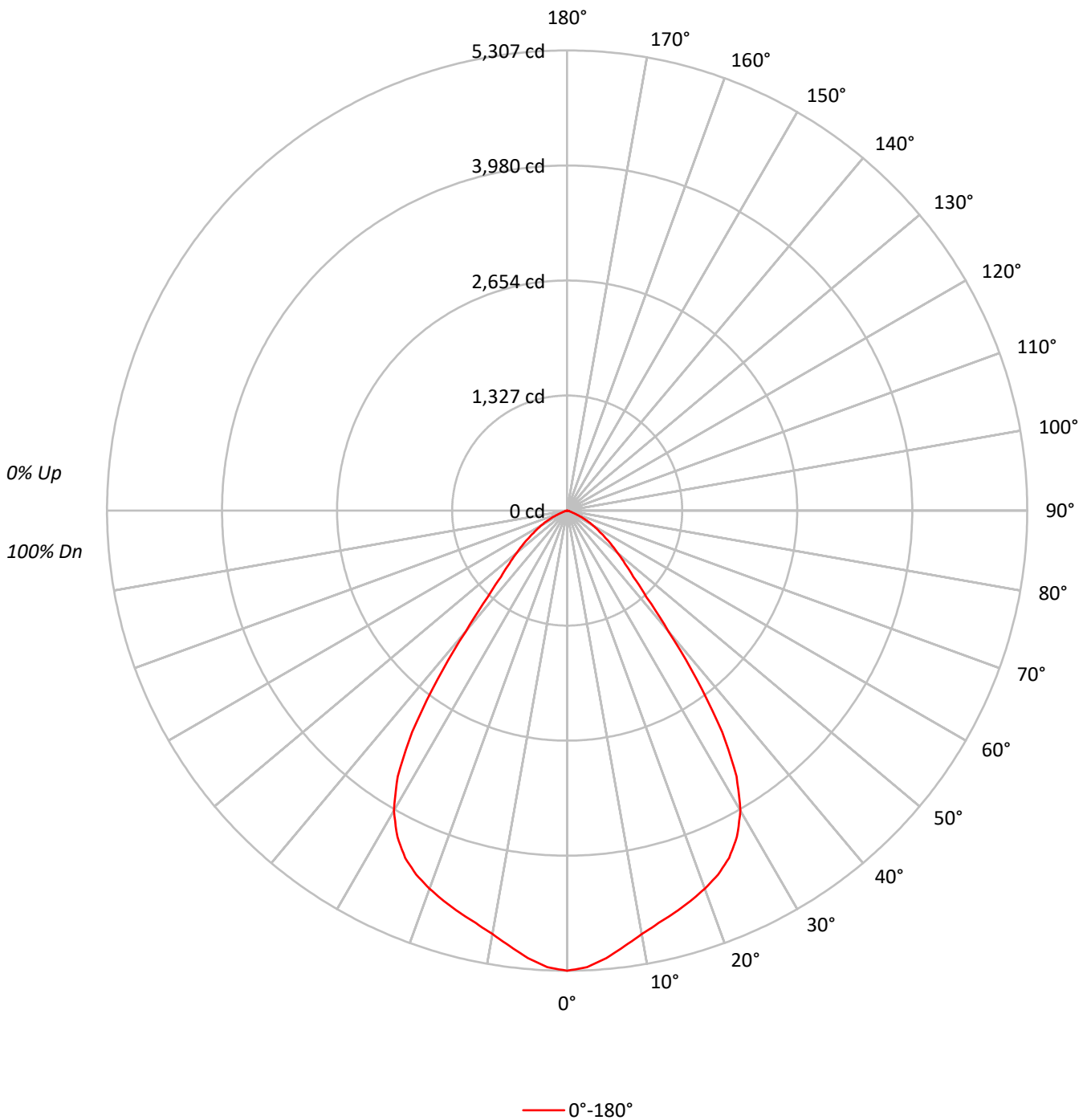
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163648
5°	160358
10°	155279
15°	153188
20°	152273
25°	150349
30°	142267
35°	117341
40°	73266
45°	47115
50°	36536
55°	28128
60°	21308
65°	13849
70°	5923
75°	2895
80°	1296
85°	849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.3	6.7
10°-20°	1355.6	18.5
20°-30°	2019.2	27.6
30°-40°	1875.2	25.6
40°-50°	885.7	12.1
50°-60°	475.9	6.5
60°-70°	191.1	2.6
70°-80°	30.0	0.4
80°-90°	3.0	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°	3862.1	52.7
0°-40°	5737.3	78.3
0°-60°	7098.9	96.9
0°-90°	7323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7323.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5307	
5°	5180	487
15°	4798	1356
25°	4419	2019
35°	3117	1875
45°	1080	886
55°	523	476
65°	190	191
75°	24	30
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5307.0
2.5°	5270.5
5°	5180.5
7.5°	5066.1
10°	4959.1
12.5°	4871.5
15°	4798.5
17.5°	4723.0
20°	4640.3
22.5°	4545.4
25°	4418.9
27.5°	4241.2
30°	3995.5
32.5°	3635.3
35°	3117.1
37.5°	2455.2
40°	1820.1
42.5°	1355.3
45°	1080.4
47.5°	902.8
50°	761.6
52.5°	635.1
55°	523.2
57.5°	425.8
60°	345.5
62.5°	270.1
65°	189.8
67.5°	111.9
70°	65.7
72.5°	38.9
75°	24.3
77.5°	14.6
80°	7.3
82.5°	4.9
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)