

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: P250917

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70835 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7547.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

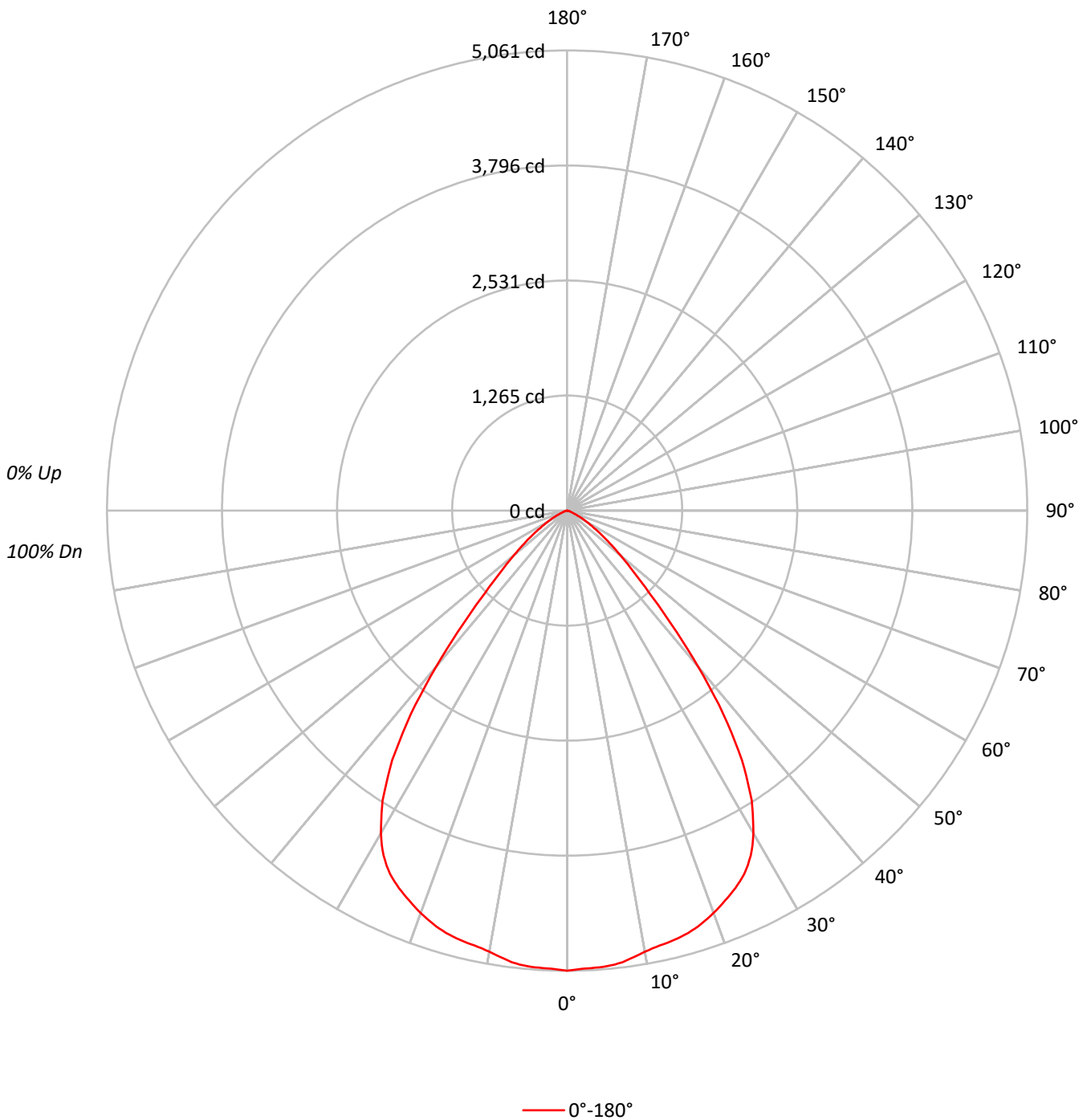
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
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	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156050
5°	155699
10°	154290
15°	154870
20°	154540
25°	153034
30°	145859
35°	126289
40°	90088
45°	55362
50°	36522
55°	24155
60°	15467
65°	8435
70°	4129
75°	2085
80°	1154
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.9	6.3
10°-20°	1368.3	18.1
20°-30°	2059.2	27.3
30°-40°	2038.6	27.0
40°-50°	1035.9	13.7
50°-60°	417.3	5.5
60°-70°	126.4	1.7
70°-80°	21.8	0.3
80°-90°	2.7	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°	3904.3	51.7
0°-40°	5942.9	78.7
0°-60°	7396.1	98.0
0°-90°	7547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7547.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5061	
5°	5030	477
15°	4851	1368
25°	4498	2059
35°	3355	2039
45°	1270	1036
55°	449	417
65°	116	126
75°	18	22
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5060.6
1°	5049.7
2°	5040.9
3°	5038.8
4°	5036.6
5°	5030.0
6°	5021.3
7°	5003.9
8°	4977.7
9°	4953.7
10°	4927.5
11°	4905.7
12°	4890.4
13°	4879.5
14°	4866.4
15°	4851.2
16°	4831.5
17°	4807.5
18°	4779.2
19°	4746.5
20°	4709.4
21°	4670.1
22°	4630.9
23°	4589.4
24°	4545.8
25°	4497.8
26°	4445.4
27°	4377.8
28°	4299.3
29°	4205.5
30°	4096.4
32.5°	3778.0
35°	3354.8
37.5°	2826.9
40°	2238.0
42.5°	1690.5
45°	1269.5
47.5°	970.7
50°	761.3
52.5°	591.1
55°	449.3
57.5°	333.7
60°	250.8
62.5°	178.9
65°	115.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	72.0
70°	45.8
72.5°	28.4
75°	17.5
77.5°	10.9
80°	6.5
82.5°	4.4
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)