

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: P251423

Luminaire Tested: **LSR8B70D010 EC8B70840 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251423
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: LSR8B70D010 EC8B70840 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7624.0 lumens
Efficiency: N/A
Efficacy: 100.4 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

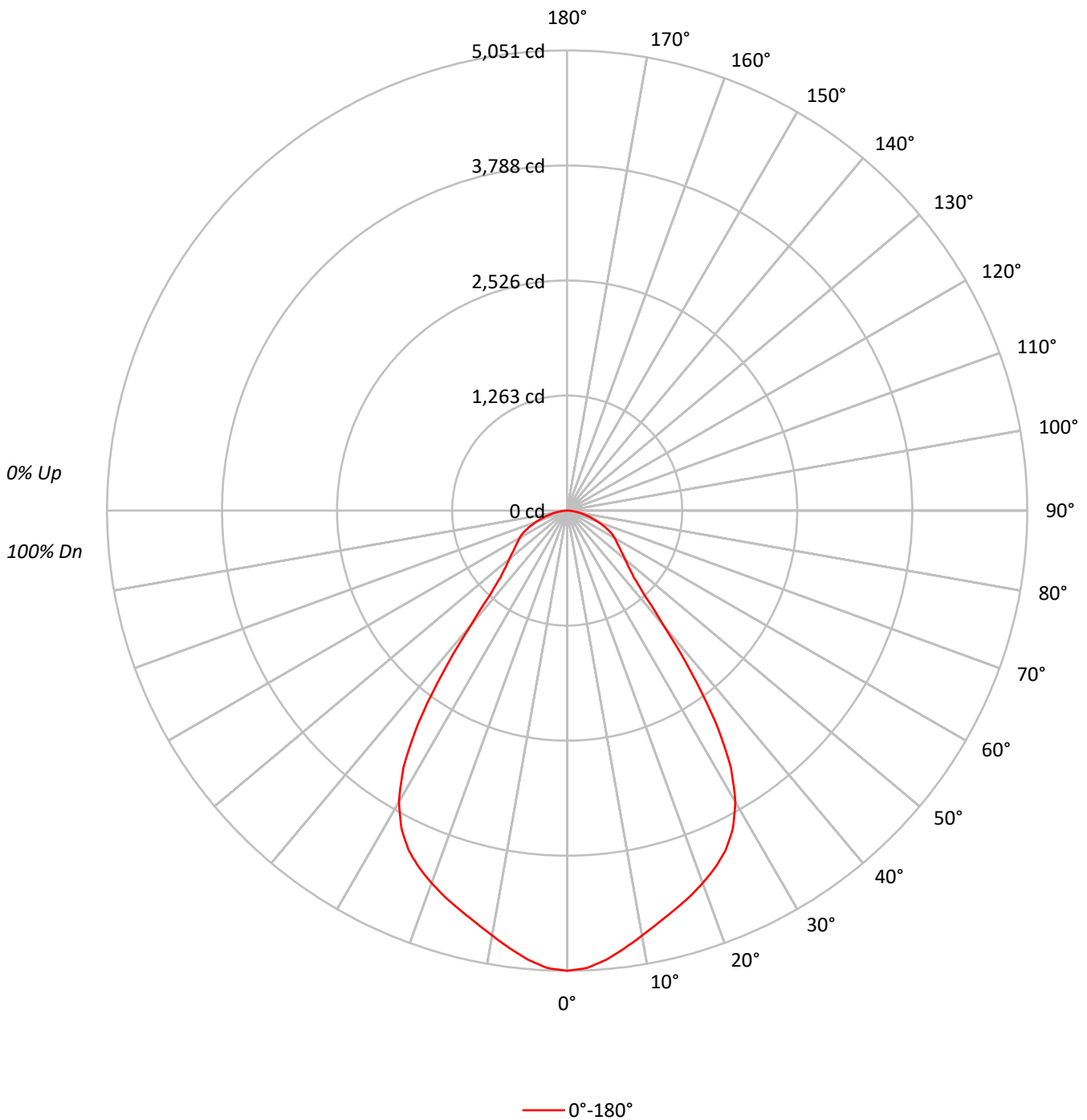
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	155767
5°	153145
10°	148328
15°	144897
20°	142832
25°	140030
30°	131478
35°	107324
40°	66483
45°	45026
50°	39673
55°	37439
60°	37133
65°	35994
70°	32268
75°	27951
80°	23618
85°	18823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.4	6.1
10°-20°	1281.9	16.8
20°-30°	1880.0	24.7
30°-40°	1718.5	22.5
40°-50°	850.8	11.2
50°-60°	629.1	8.3
60°-70°	483.6	6.3
70°-80°	252.1	3.3
80°-90°	62.8	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°	3627.3	47.6
0°-40°	5345.7	70.1
0°-60°	6825.6	89.5
0°-90°	7624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7624.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5051	
5°	4948	465
15°	4539	1282
25°	4116	1880
35°	2851	1718
45°	1032	851
55°	696	629
65°	493	484
75°	235	252
85°	53	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5051.4
2.5°	5024.8
5°	4947.5
7.5°	4843.5
10°	4737.1
12.5°	4633.1
15°	4538.8
17.5°	4449.3
20°	4352.6
22.5°	4243.8
25°	4115.6
27.5°	3939.1
30°	3692.5
32.5°	3346.7
35°	2851.0
37.5°	2236.8
40°	1651.6
42.5°	1250.2
45°	1032.5
47.5°	914.0
50°	827.0
52.5°	756.9
55°	696.4
57.5°	645.6
60°	602.1
62.5°	556.2
65°	493.3
67.5°	425.6
70°	357.9
72.5°	295.0
75°	234.6
77.5°	181.4
80°	133.0
82.5°	91.9
85°	53.2
87.5°	19.3
90°	0.0

(END OF REPORT)