

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: P250919

Luminaire Tested: **LSR8B70D010 EC8B70840 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250919
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 EC8B70840 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7498.0 lumens
Efficiency: N/A
Efficacy: 98.8 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

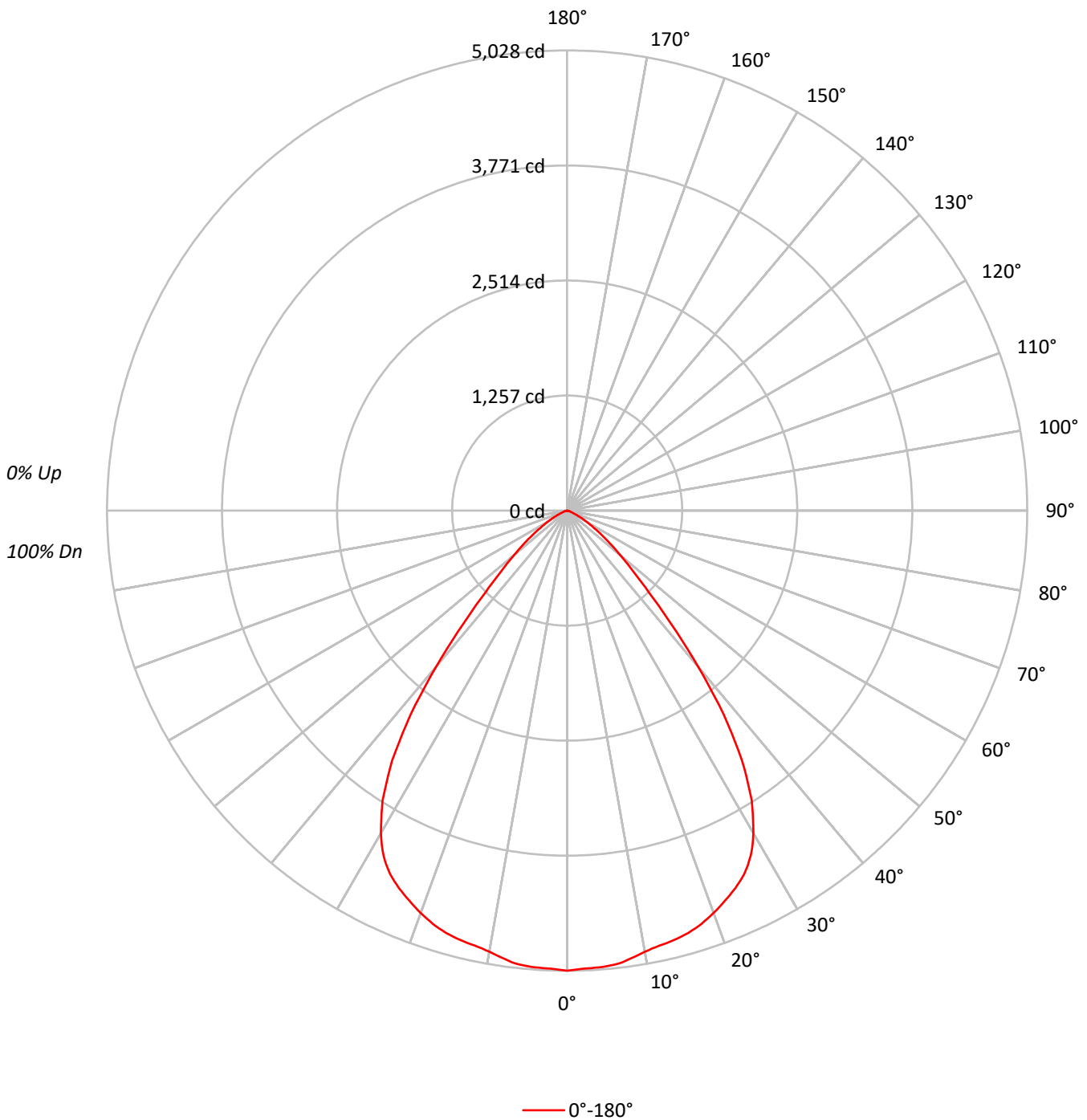
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	155036
5°	154690
10°	153288
15°	153865
20°	153536
25°	152040
30°	144912
35°	125468
40°	89505
45°	55004
50°	36282
55°	23999
60°	15369
65°	8384
70°	4102
75°	2061
80°	1154
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.8	6.3
10°-20°	1359.4	18.1
20°-30°	2045.8	27.3
30°-40°	2025.4	27.0
40°-50°	1029.2	13.7
50°-60°	414.6	5.5
60°-70°	125.6	1.7
70°-80°	21.6	0.3
80°-90°	2.6	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°	3878.9	51.7
0°-40°	5904.3	78.7
0°-60°	7348.1	98.0
0°-90°	7498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5028	
5°	4997	474
15°	4820	1359
25°	4469	2046
35°	3333	2025
45°	1261	1029
55°	446	415
65°	115	126
75°	17	22
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5027.7
1°	5016.9
2°	5008.2
3°	5006.0
4°	5003.9
5°	4997.4
6°	4988.7
7°	4971.4
8°	4945.4
9°	4921.5
10°	4895.5
11°	4873.8
12°	4858.7
13°	4847.8
14°	4834.8
15°	4819.7
16°	4800.2
17°	4776.3
18°	4748.1
19°	4715.6
20°	4678.8
21°	4639.8
22°	4600.8
23°	4559.6
24°	4516.3
25°	4468.6
26°	4416.6
27°	4349.4
28°	4271.4
29°	4178.2
30°	4069.8
32.5°	3753.4
35°	3333.0
37.5°	2808.6
40°	2223.5
42.5°	1679.5
45°	1261.3
47.5°	964.4
50°	756.3
52.5°	587.3
55°	446.4
57.5°	331.6
60°	249.2
62.5°	177.7
65°	114.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	71.5
70°	45.5
72.5°	28.2
75°	17.3
77.5°	10.8
80°	6.5
82.5°	4.3
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)