

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: P250811

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70950 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7326.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

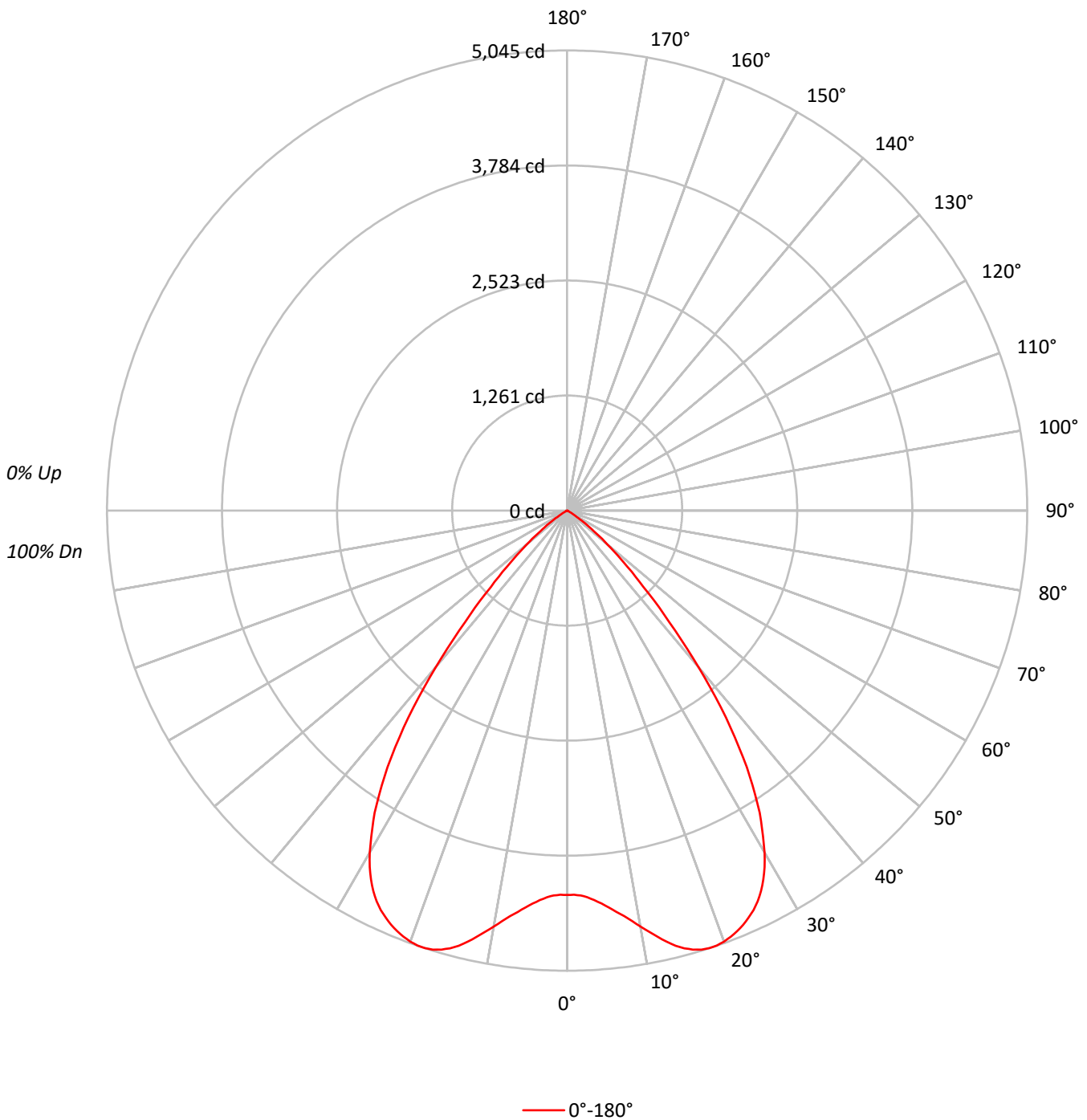
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129981
5°	133827
10°	144978
15°	158624
20°	165025
25°	164422
30°	154227
35°	129327
40°	90044
45°	51572
50°	27695
55°	11424
60°	2843
65°	730
70°	361
75°	238
80°	355
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.6	5.8
10°-20°	1400.4	19.1
20°-30°	2203.5	30.1
30°-40°	2096.0	28.6
40°-50°	966.3	13.2
50°-60°	219.6	3.0
60°-70°	14.4	0.2
70°-80°	2.9	0.0
80°-90°	0.3	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°	4026.5	55.0
0°-40°	6122.5	83.6
0°-60°	7308.4	99.8
0°-90°	7326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7326.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4215	
5°	4323	423
15°	4969	1400
25°	4832	2203
35°	3436	2096
45°	1183	966
55°	212	220
65°	10	14
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4215.2
1°	4213.1
2°	4221.2
3°	4245.2
4°	4281.3
5°	4323.4
6°	4375.5
7°	4431.6
8°	4489.7
9°	4557.9
10°	4630.1
11°	4702.2
12°	4778.4
13°	4850.5
14°	4916.7
15°	4968.8
16°	5006.9
17°	5032.9
18°	5045.0
19°	5042.9
20°	5028.9
21°	5004.9
22°	4974.8
23°	4934.7
24°	4888.6
25°	4832.5
26°	4766.3
27°	4682.2
28°	4581.9
29°	4465.7
30°	4331.4
32.5°	3928.5
35°	3435.5
37.5°	2862.2
40°	2236.9
42.5°	1653.6
45°	1182.6
47.5°	837.8
50°	577.3
52.5°	368.8
55°	212.5
57.5°	106.2
60°	46.1
62.5°	18.0
65°	10.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.0
70°	4.0
72.5°	4.0
75°	2.0
77.5°	2.0
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)