

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: P251337

Luminaire Tested: **LSR8B70D010 EC8B70850 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70850 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4854.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

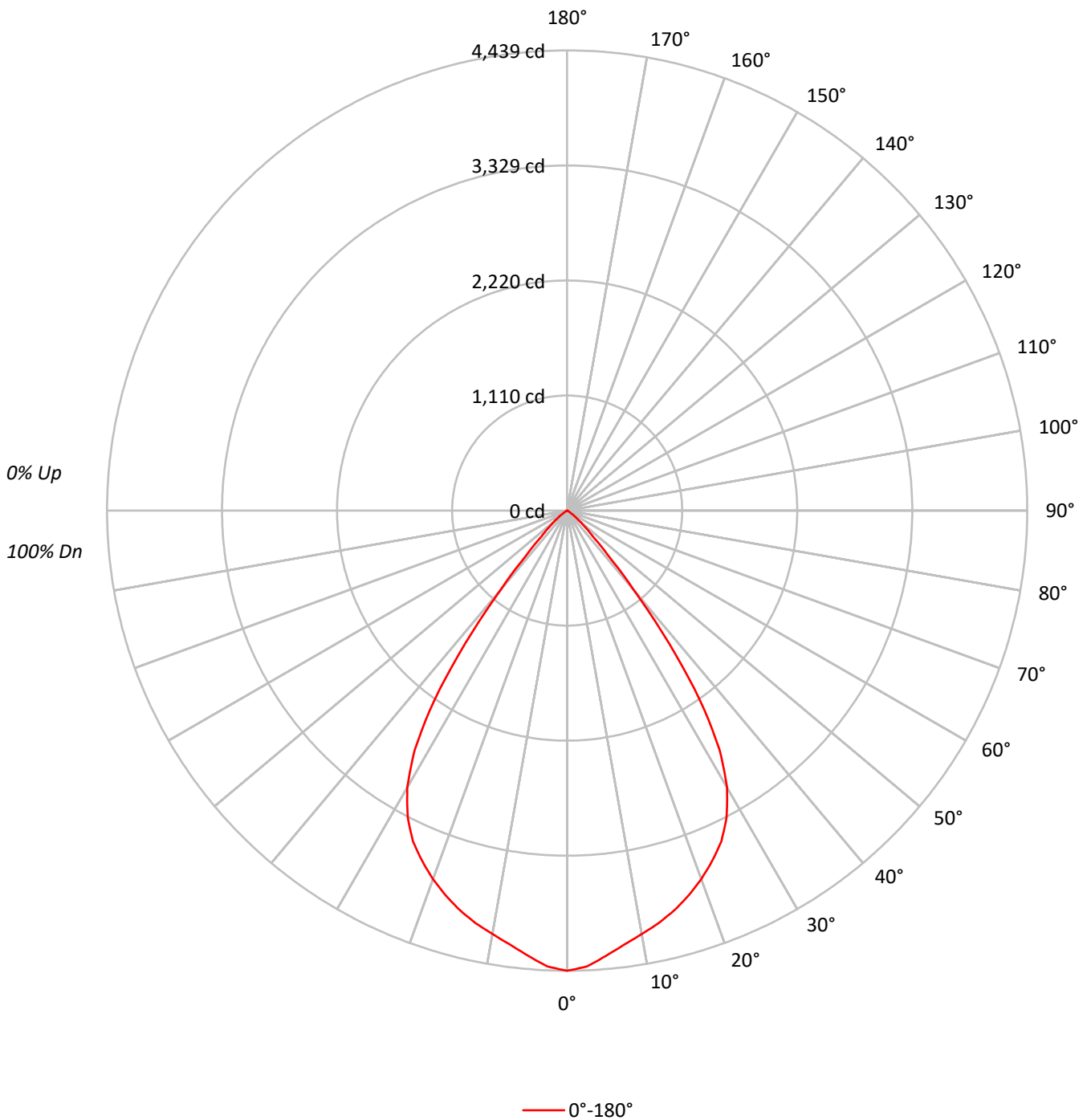
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	101	101	99	98	98	97	96	95	95	93
2	107	102	98	95	105	101	97	94	97	94	92	92	94	92	90	90	92	90	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	84	89	85	82	82	86	84	81	81	80
4	96	88	83	78	94	87	82	78	85	80	77	77	83	79	76	76	81	78	75	75	74
5	91	82	76	72	89	81	76	71	80	75	71	71	78	74	70	70	76	73	70	70	68
6	86	77	71	66	85	76	70	66	74	69	65	65	73	68	65	65	72	68	65	65	63
7	82	72	66	61	80	71	65	61	70	64	61	61	69	64	60	60	67	63	60	60	58
8	77	67	61	57	76	67	61	57	66	60	56	56	65	60	56	56	64	59	56	56	54
9	73	63	57	53	72	63	57	53	62	56	52	52	61	56	52	52	60	55	52	52	51
10	70	59	53	49	68	59	53	49	58	53	49	49	57	52	49	49	57	52	49	49	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136876
5°	133431
10°	129879
15°	127463
20°	124147
25°	119748
30°	109872
35°	84244
40°	40081
45°	15263
50°	7450
55°	3048
60°	759
65°	182
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.4	8.4
10°-20°	1123.6	23.1
20°-30°	1604.3	33.1
30°-40°	1329.6	27.4
40°-50°	327.9	6.8
50°-60°	59.0	1.2
60°-70°	3.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	3134.3	64.6
0°-40°	4463.9	92.0
0°-60°	4850.7	99.9
0°-90°	4854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4854.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4439	
5°	4311	406
15°	3993	1124
25°	3520	1604
35°	2238	1330
45°	350	328
55°	57	59
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4438.8
2.5°	4401.8
5°	4310.6
7.5°	4221.9
10°	4147.9
12.5°	4076.5
15°	3992.7
17.5°	3894.1
20°	3783.2
22.5°	3657.5
25°	3519.5
27.5°	3332.2
30°	3085.7
32.5°	2738.2
35°	2237.9
37.5°	1616.8
40°	995.7
42.5°	579.2
45°	350.0
47.5°	231.7
50°	155.3
52.5°	101.0
55°	56.7
57.5°	27.1
60°	12.3
62.5°	4.9
65°	2.5
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)