

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: P251429

Luminaire Tested: **LSR8B70D010 EC8B70930 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251429  
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 EC8B70930 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7107.1 lumens  
Efficiency: N/A  
Efficacy: 93.6 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

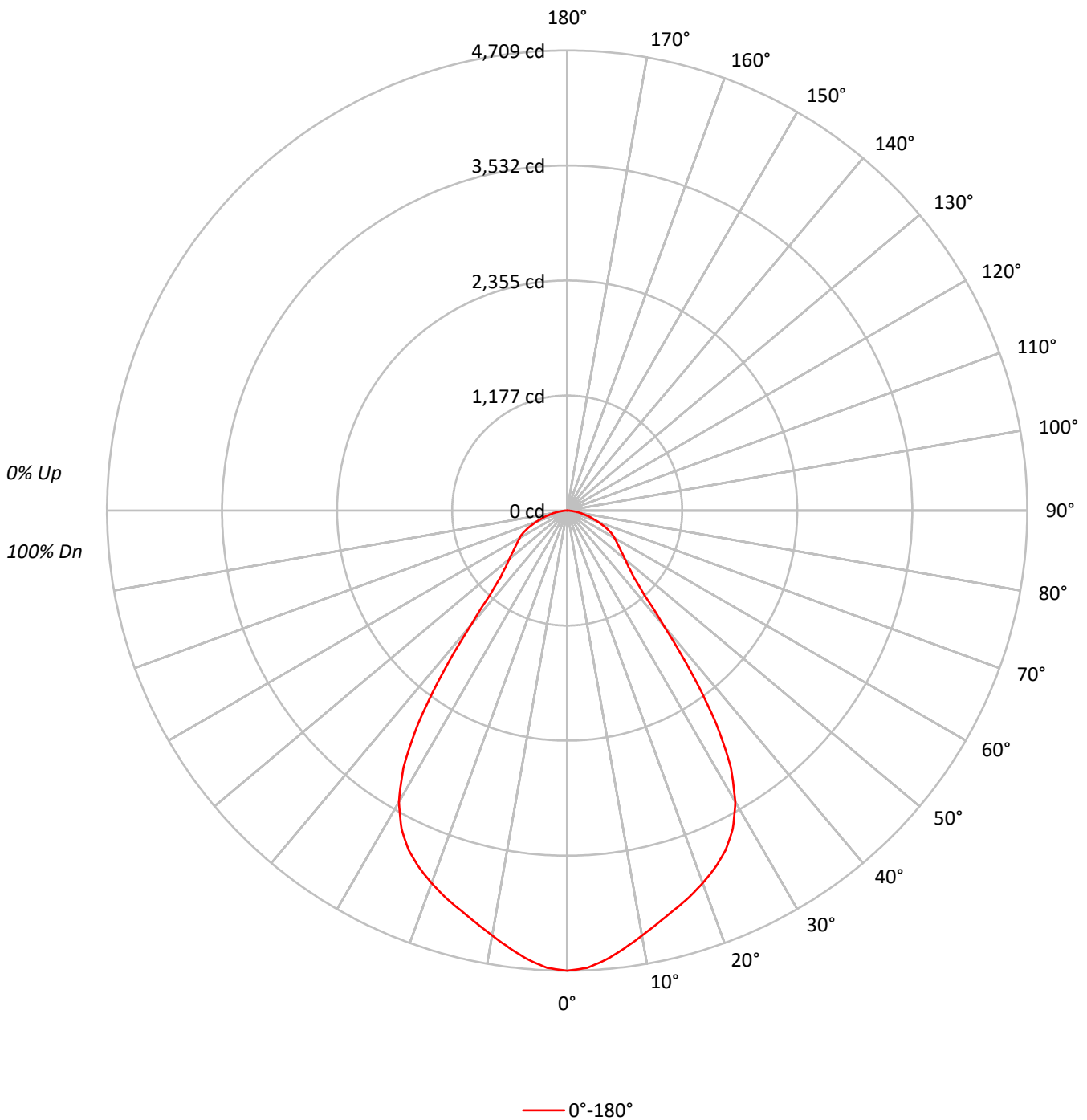
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	145208
5°	142760
10°	138274
15°	135074
20°	133151
25°	130537
30°	122562
35°	100047
40°	61975
45°	41974
50°	36982
55°	34902
60°	34617
65°	33549
70°	30077
75°	26056
80°	22020
85°	17513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	433.8	6.1
10°-20°	1195.0	16.8
20°-30°	1752.5	24.7
30°-40°	1601.9	22.5
40°-50°	793.1	11.2
50°-60°	586.5	8.3
60°-70°	450.8	6.3
70°-80°	235.0	3.3
80°-90°	58.5	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°	3381.4	47.6
0°-40°	4983.3	70.1
0°-60°	6362.8	89.5
0°-90°	7107.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7107.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4709	
5°	4612	434
15°	4231	1195
25°	3837	1753
35°	2658	1602
45°	962	793
55°	649	586
65°	460	451
75°	219	235
85°	50	59
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4709.0
2.5°	4684.2
5°	4612.0
7.5°	4515.2
10°	4416.0
12.5°	4319.0
15°	4231.1
17.5°	4147.7
20°	4057.6
22.5°	3956.1
25°	3836.6
27.5°	3672.1
30°	3442.1
32.5°	3119.7
35°	2657.7
37.5°	2085.1
40°	1539.6
42.5°	1165.4
45°	962.5
47.5°	852.1
50°	770.9
52.5°	705.6
55°	649.2
57.5°	601.9
60°	561.3
62.5°	518.5
65°	459.8
67.5°	396.7
70°	333.6
72.5°	275.0
75°	218.7
77.5°	169.0
80°	124.0
82.5°	85.6
85°	49.5
87.5°	18.0
90°	0.0

(END OF REPORT)