

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: P251087

Luminaire Tested: **LSR8B70D010 EC8B70840 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B70D010 EC8B70840 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8040.0 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

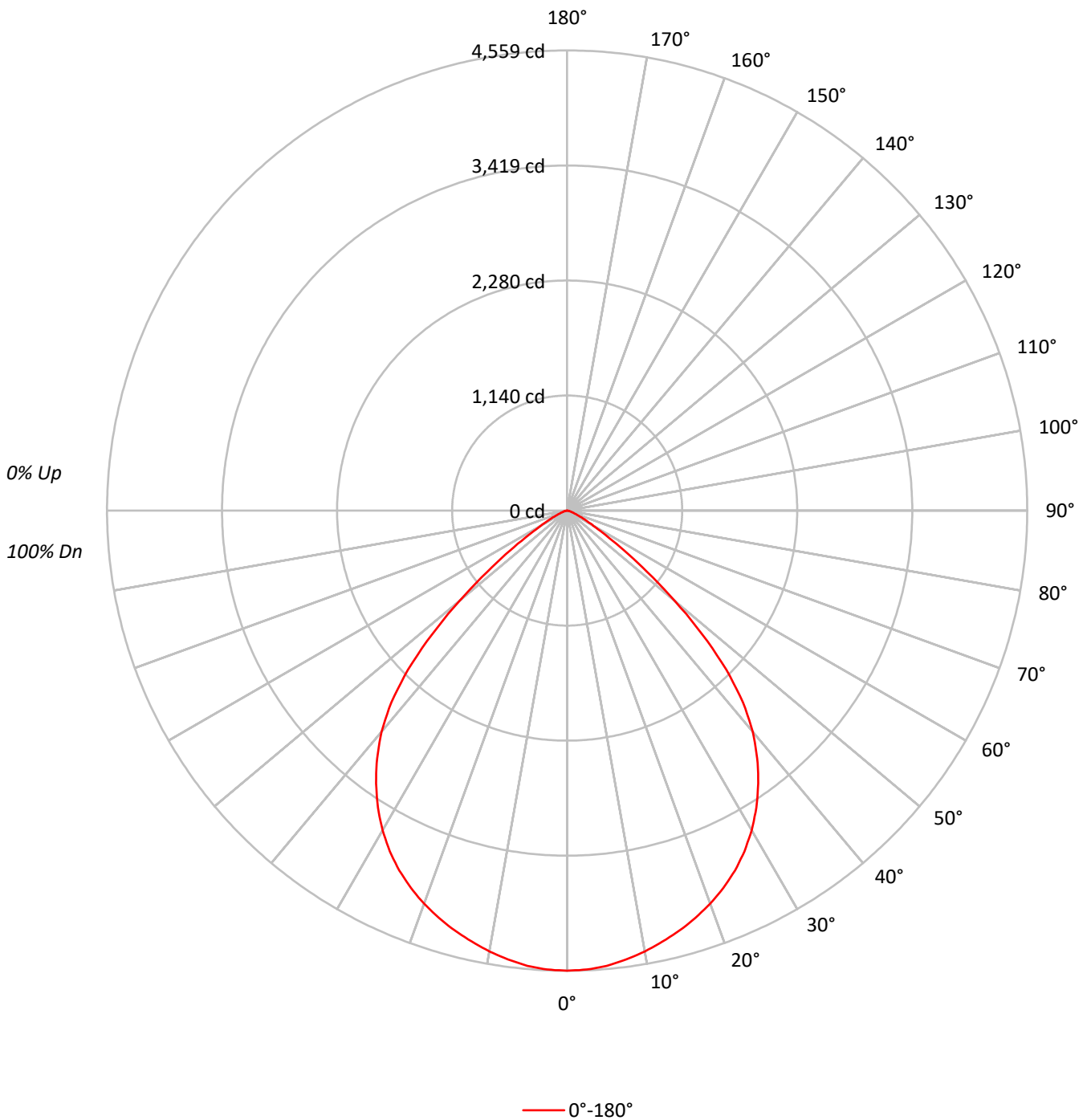
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	140570
5°	140132
10°	138875
15°	137500
20°	136020
25°	133871
30°	130196
35°	124263
40°	115163
45°	97235
50°	66706
55°	36794
60°	18496
65°	10412
70°	5671
75°	4039
80°	2575
85°	1698



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.1	5.3
10°-20°	1214.7	15.1
20°-30°	1808.5	22.5
30°-40°	2054.3	25.6
40°-50°	1679.2	20.9
50°-60°	658.0	8.2
60°-70°	153.4	1.9
70°-80°	36.9	0.5
80°-90°	5.9	0.1
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°	3452.3	42.9
0°-40°	5506.6	68.5
0°-60°	7843.8	97.6
0°-90°	8040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4559	
5°	4527	429
15°	4307	1215
25°	3935	1808
35°	3301	2054
45°	2230	1679
55°	684	658
65°	143	153
75°	34	37
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4558.6
2.5°	4551.3
5°	4527.1
7.5°	4486.0
10°	4435.2
12.5°	4372.3
15°	4307.1
17.5°	4229.7
20°	4145.0
22.5°	4045.9
25°	3934.6
27.5°	3804.0
30°	3656.5
32.5°	3489.7
35°	3301.0
37.5°	3093.0
40°	2860.9
42.5°	2580.4
45°	2229.7
47.5°	1818.6
50°	1390.5
52.5°	998.8
55°	684.4
57.5°	447.4
60°	299.9
62.5°	205.6
65°	142.7
67.5°	94.3
70°	62.9
72.5°	43.5
75°	33.9
77.5°	24.2
80°	14.5
82.5°	7.3
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)