

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: P251289

Luminaire Tested: **LD8B70D010 ER8B70835 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B70D010 ER8B70835 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7457.0 lumens  
Efficiency: N/A  
Efficacy: 98.2 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

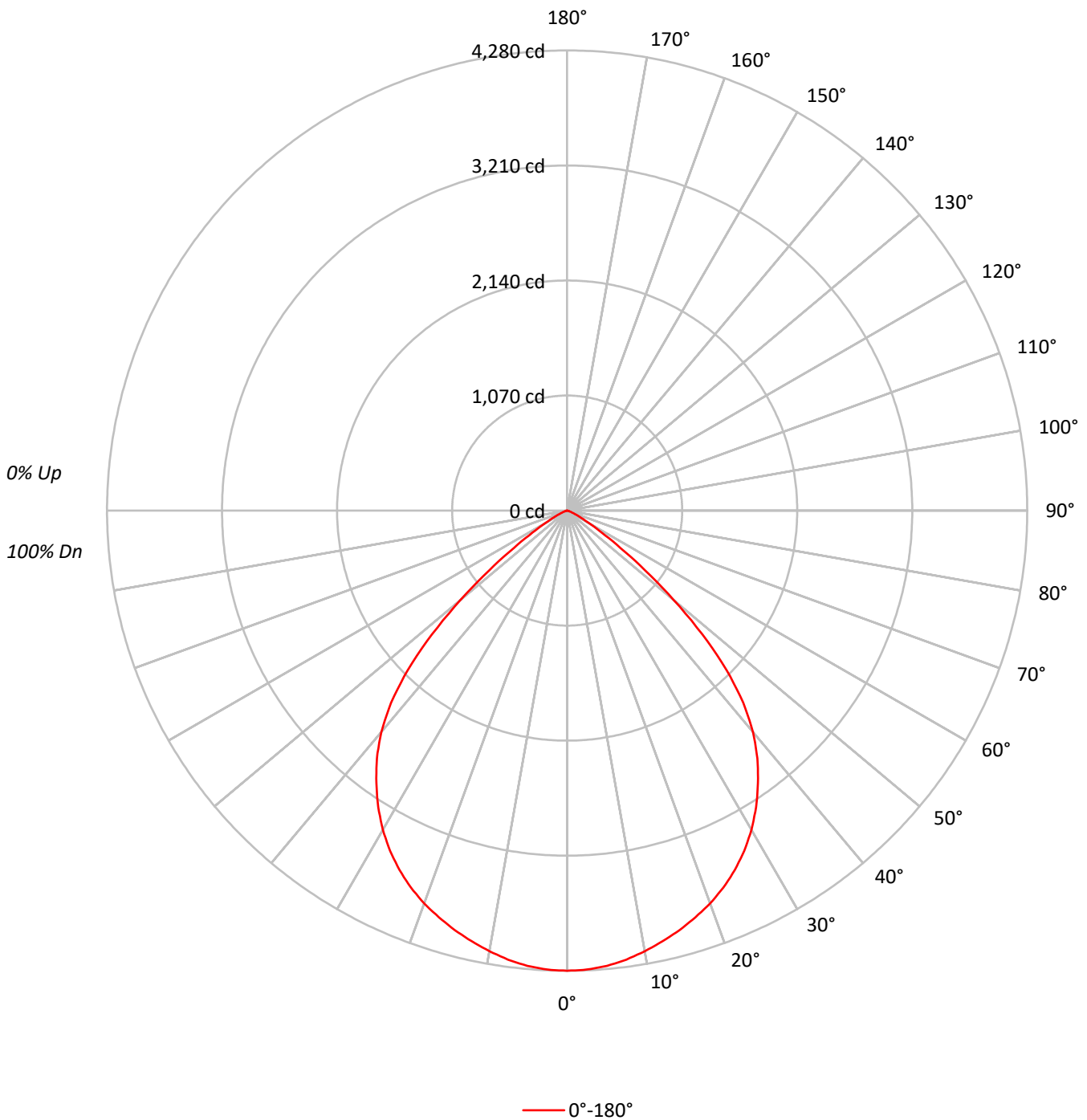
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251289

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBS0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P251289

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBS0GPH

**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	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	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	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

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

	0°
0°	131989
5°	131589
10°	130292
15°	128954
20°	127602
25°	125515
30°	122081
35°	116520
40°	108335
45°	91475
50°	62106
55°	32445
60°	14555
65°	7099
70°	2849
75°	1739
80°	1296
85°	849



TEST NUMBER: P251289

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBS0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.9	5.4
10°-20°	1139.4	15.3
20°-30°	1696.1	22.7
30°-40°	1928.0	25.9
40°-50°	1576.6	21.1
50°-60°	587.7	7.9
60°-70°	107.4	1.4
70°-80°	16.6	0.2
80°-90°	2.3	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°	3238.3	43.4
0°-40°	5166.4	69.3
0°-60°	7330.6	98.3
0°-90°	7457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7457.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4280	
5°	4251	403
15°	4039	1139
25°	3689	1696
35°	3095	1928
45°	2098	1577
55°	604	588
65°	97	107
75°	15	17
85°	2	2
90°	0	



TEST NUMBER: P251289

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBS0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4280.3
2.5°	4273.0
5°	4251.1
7.5°	4212.2
10°	4161.1
12.5°	4102.7
15°	4039.4
17.5°	3966.4
20°	3888.5
22.5°	3796.1
25°	3689.0
27.5°	3567.3
30°	3428.6
32.5°	3270.5
35°	3095.3
37.5°	2907.9
40°	2691.3
42.5°	2423.6
45°	2097.6
47.5°	1705.8
50°	1294.6
52.5°	912.5
55°	603.5
57.5°	379.6
60°	236.0
62.5°	150.9
65°	97.3
67.5°	56.0
70°	31.6
72.5°	19.5
75°	14.6
77.5°	9.7
80°	7.3
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)