

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: P250987

Luminaire Tested: **LD8B70D010 ER8B70830 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250987  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B70D010 ER8B70830 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7936.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

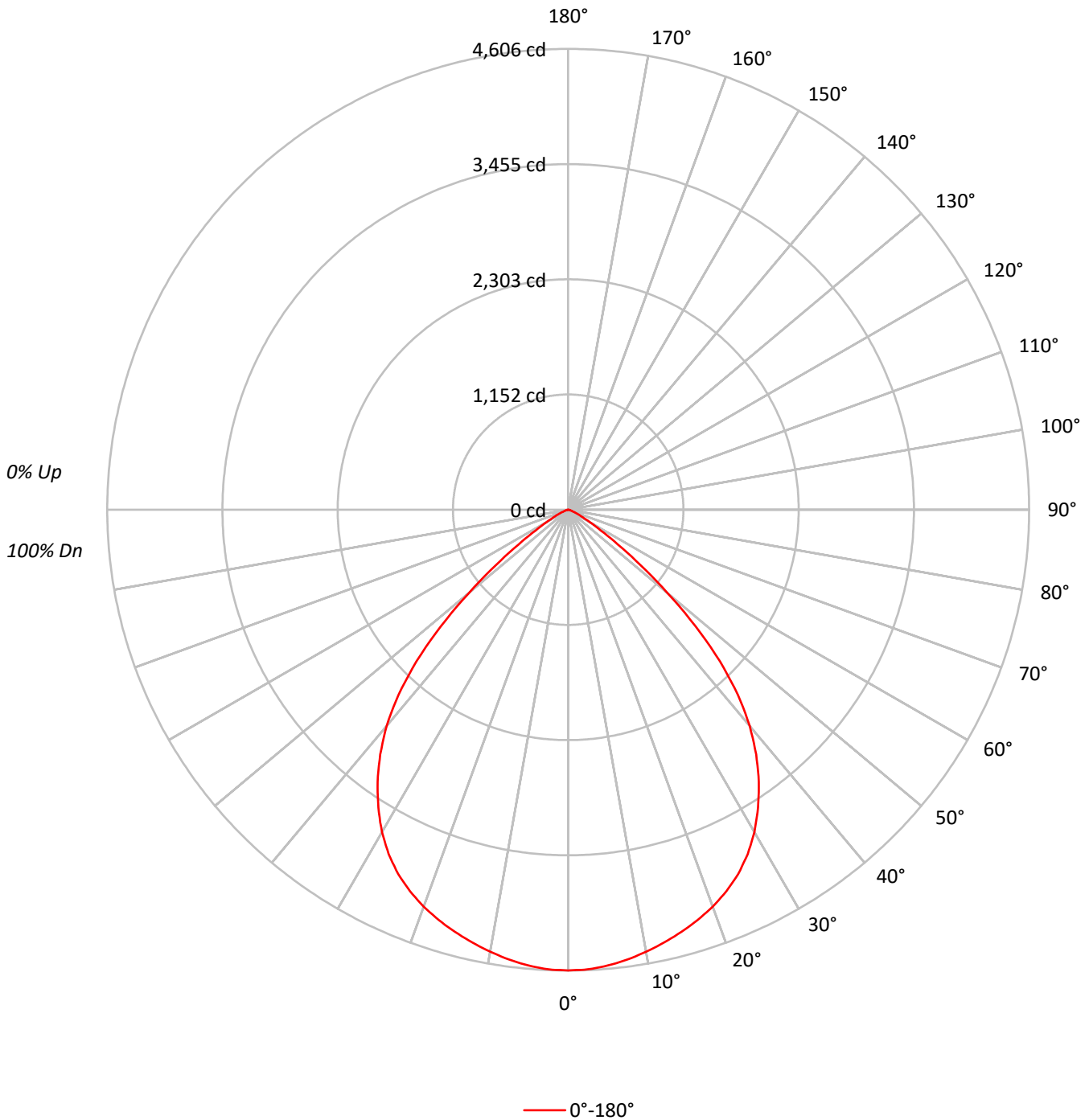
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	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°	142017
5°	141544
10°	140469
15°	139480
20°	138536
25°	136712
30°	132489
35°	125005
40°	113609
45°	93481
50°	62307
55°	32461
60°	15301
65°	8026
70°	4012
75°	2788
80°	2078
85°	1663



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	433.8	5.5
10°-20°	1233.2	15.5
20°-30°	1844.7	23.2
30°-40°	2063.3	26.0
40°-50°	1618.7	20.4
50°-60°	590.6	7.4
60°-70°	120.4	1.5
70°-80°	25.9	0.3
80°-90°	5.4	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°	3511.6	44.2
0°-40°	5575.0	70.2
0°-60°	7784.3	98.1
0°-90°	7936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7936.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4606	
5°	4573	434
15°	4369	1233
25°	4018	1845
35°	3321	2063
45°	2144	1619
55°	604	591
65°	110	120
75°	23	26
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4605.5
2.5°	4598.5
5°	4572.7
7.5°	4535.3
10°	4486.1
12.5°	4430.0
15°	4369.1
17.5°	4301.3
20°	4221.7
22.5°	4128.1
25°	4018.1
27.5°	3882.4
30°	3720.9
32.5°	3531.3
35°	3320.7
37.5°	3084.4
40°	2822.3
42.5°	2511.0
45°	2143.6
47.5°	1729.4
50°	1298.8
52.5°	910.3
55°	603.8
57.5°	386.1
60°	248.1
62.5°	163.8
65°	110.0
67.5°	70.2
70°	44.5
72.5°	30.4
75°	23.4
77.5°	16.4
80°	11.7
82.5°	7.0
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)