

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: P251031

Luminaire Tested: **LD8B70D010 ER8B70930 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B70D010 ER8B70930 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6047.9 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

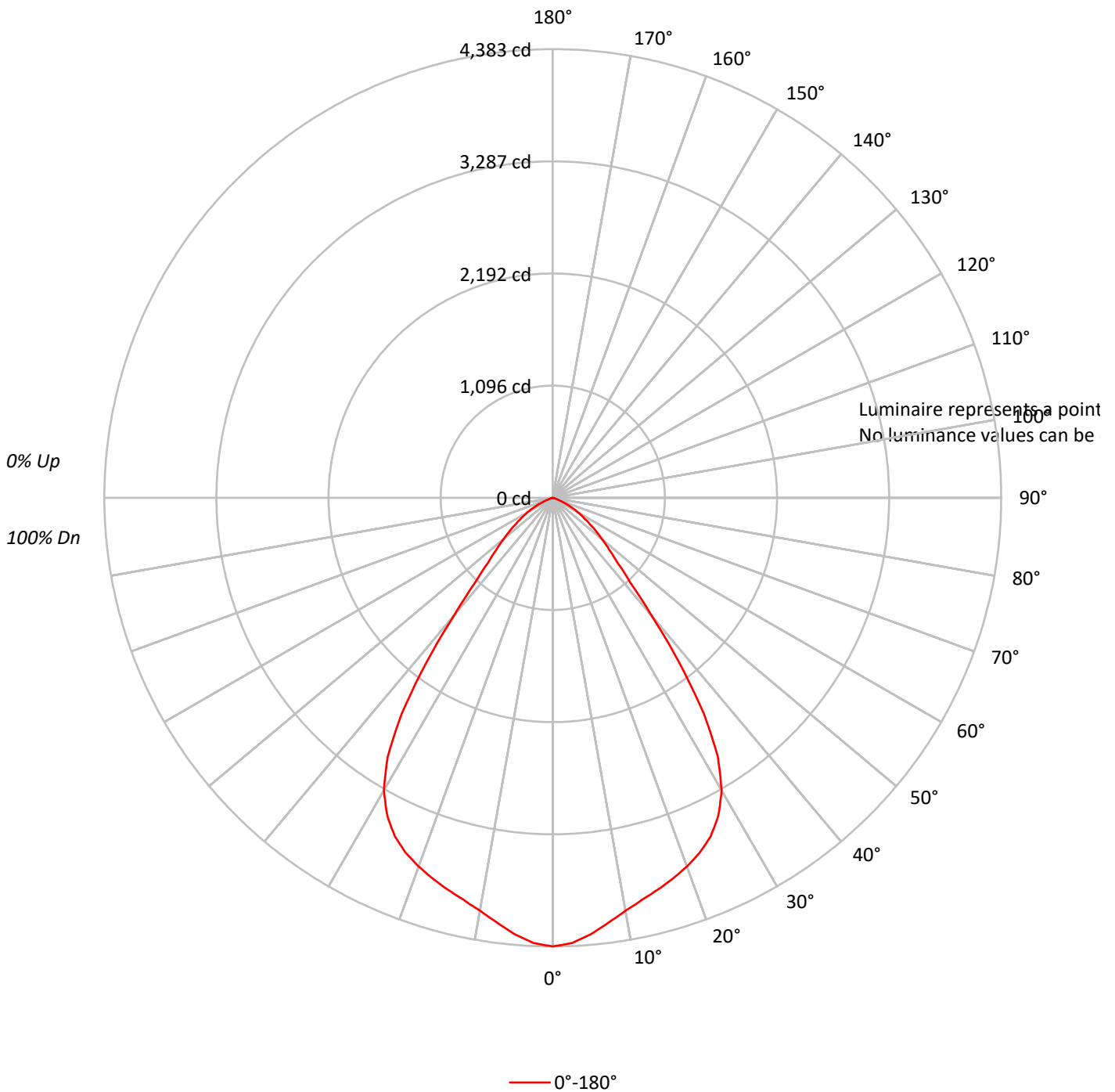
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251031

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBW0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P251031

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBW0WMH

**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	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42		51	46	42		51	46	42	41

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





TEST NUMBER: P251031

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBW0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.4	6.7
10°-20°	1119.6	18.5
20°-30°	1667.6	27.6
30°-40°	1548.7	25.6
40°-50°	731.5	12.1
50°-60°	393.0	6.5
60°-70°	157.8	2.6
70°-80°	24.8	0.4
80°-90°	2.5	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°	3189.6	52.7
0°-40°	4738.3	78.3
0°-60°	5862.7	96.9
0°-90°	6047.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6047.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4383	
5°	4278	402
15°	3963	1120
25°	3649	1668
35°	2574	1549
45°	892	731
55°	432	393
65°	157	158
75°	20	25
85°	2	2
90°	0	



TEST NUMBER: P251031

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBW0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4382.9
2.5°	4352.7
5°	4278.4
7.5°	4183.9
10°	4095.5
12.5°	4023.2
15°	3962.8
17.5°	3900.6
20°	3832.3
22.5°	3753.9
25°	3649.4
27.5°	3502.7
30°	3299.7
32.5°	3002.3
35°	2574.3
37.5°	2027.7
40°	1503.1
42.5°	1119.3
45°	892.2
47.5°	745.6
50°	629.0
52.5°	524.5
55°	432.0
57.5°	351.7
60°	285.4
62.5°	223.1
65°	156.7
67.5°	92.5
70°	54.3
72.5°	32.2
75°	20.1
77.5°	12.1
80°	6.1
82.5°	4.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)