

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: P251260

Luminaire Tested: **LD8B60D010 ER8B60927 8LBN0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201794)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60927 8LBN0GPH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 2183 (1 lamp)  
Luminaire Lumens: 3952.1 lumens  
Efficiency: 181.0%  
Efficacy: 66.4 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

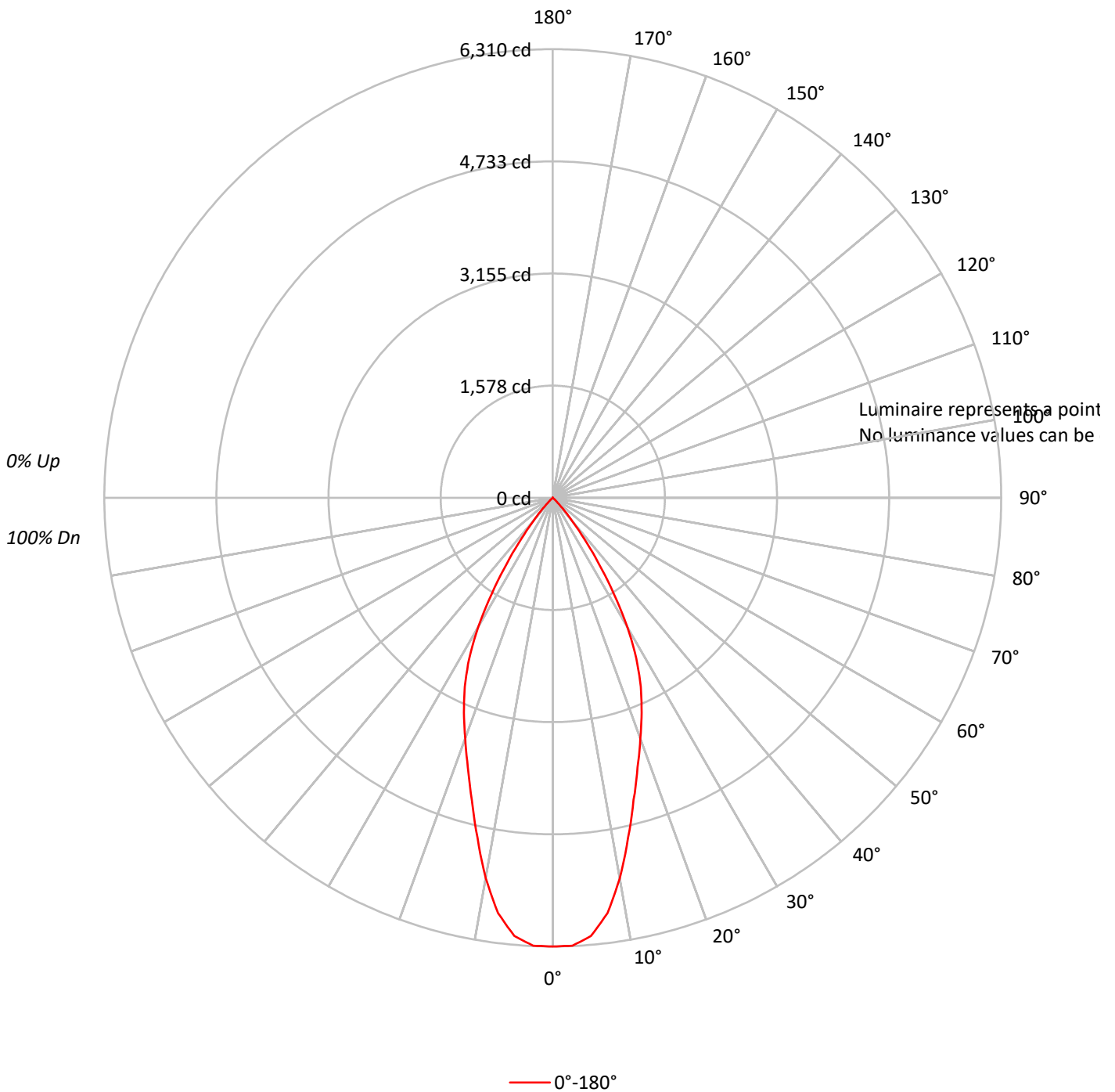
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	216	216	216	216	211	211	211	211	201	201	201	193	193	193	185	185	185	181	181	181
1	206	202	197	194	202	198	194	191	190	187	185	184	181	179	178	176	174	171	171	171
2	197	189	182	176	193	186	180	174	180	175	171	175	171	167	170	166	164	161	161	161
3	188	177	169	162	185	175	167	161	170	164	159	166	161	156	162	157	154	151	151	151
4	180	167	158	151	176	165	156	150	161	154	148	158	151	146	154	149	145	142	142	142
5	171	157	148	140	169	156	147	140	153	145	139	150	143	137	147	141	136	134	134	134
6	164	149	139	132	161	147	138	131	145	136	130	142	135	129	140	134	129	126	126	126
7	156	141	131	124	154	140	130	123	137	129	123	135	128	122	133	127	121	119	119	119
8	149	133	123	117	147	132	123	116	131	122	116	129	121	115	127	120	115	113	113	113
9	143	127	117	110	141	126	116	110	124	116	110	123	115	109	121	114	109	107	107	107
10	137	121	111	104	135	120	111	104	118	110	104	117	109	104	116	109	103	101	101	101

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





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**ZONAL LUMENS:**

**CANDELA DISTRIBUTION:**

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	566.0	14.3	25.9	0°	6310	
10°-20°	1233.6	31.2	56.5	5°	6185	566
20°-30°	1321.4	33.4	60.5	15°	4397	1234
30°-40°	716.1	18.1	32.8	25°	2930	1321
40°-50°	111.4	2.8	5.1	35°	1121	716
50°-60°	2.9	0.1	0.1	45°	103	111
60°-70°	0.7	0.0	0.0	55°	0	3
70°-80°	0.0	0.0	0.0	65°	0	1
80°-90°	0.0	0.0	0.0	75°	0	0
90°-100°	0.0	0.0	0.0	85°	0	0
100°-110°	0.0	0.0	0.0	90°	0	0
110°-120°	0.0	0.0	0.0	95°	0	0
120°-130°	0.0	0.0	0.0	105°	0	0
130°-140°	0.0	0.0	0.0	115°	0	0
140°-150°	0.0	0.0	0.0	125°	0	0
150°-160°	0.0	0.0	0.0	135°	0	0
160°-170°	0.0	0.0	0.0	145°	0	0
170°-180°	0.0	0.0	0.0	155°	0	0
0°-30°	3121.0	79.0	143.0	165°	0	0
0°-40°	3837.1	97.1	175.8	175°	0	0
0°-60°	3951.5	100.0	181.0	180°	0	0
0°-90°	3952.1	100.0	181.0			
90°-120°	0.0	0.0	0.0			
90°-150°	0.0	0.0	0.0			
90°-180°	0.0	0.0	0.0			
0°-180°	3952.1	100.0	181.0			



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6309.9
2.5°	6304.7
5°	6185.1
7.5°	5890.4
10°	5432.8
12.5°	4897.5
15°	4396.6
17.5°	3971.6
20°	3600.8
22.5°	3268.0
25°	2930.0
27.5°	2546.3
30°	2096.0
32.5°	1598.7
35°	1121.3
37.5°	718.1
40°	414.0
42.5°	220.6
45°	103.0
47.5°	56.2
50°	18.0
52.5°	1.8
55°	0.0
57.5°	1.8
60°	1.8
62.5°	0.0
65°	0.0
67.5°	1.8
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)