

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 ER8B609727 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 ER8B609727 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: 3513.0 lumens
Efficiency: 160.9%
Efficacy: 59.0 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

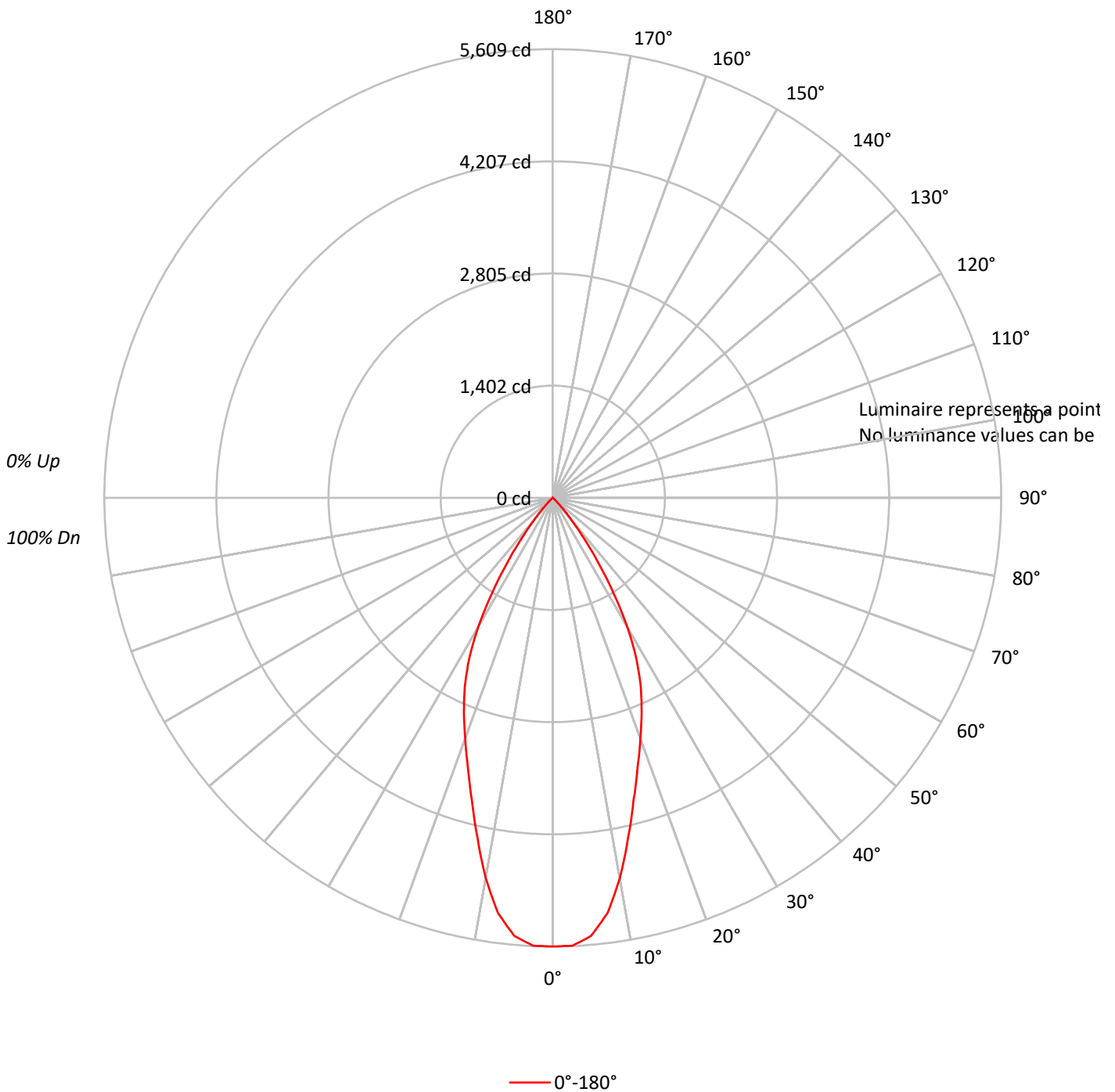
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	192	192	192	192	187	187	187	187	179	179	179	171	171	171	164	164	164	161	161	161
1	183	179	175	172	179	176	172	169	169	167	164	163	161	159	158	156	155	152	152	152
2	175	168	162	157	172	165	160	155	160	156	152	155	152	148	151	148	145	143	143	143
3	167	158	150	144	164	155	149	143	151	146	141	147	143	139	144	140	137	134	134	134
4	160	148	140	134	157	147	139	133	143	137	132	140	135	130	137	132	129	126	126	126
5	152	140	131	125	150	138	130	124	136	129	123	133	127	122	131	125	121	119	119	119
6	145	132	123	117	143	131	123	117	129	121	116	126	120	115	124	119	114	112	112	112
7	139	125	116	110	137	124	116	110	122	115	109	120	113	108	118	112	108	106	106	106
8	133	119	110	104	131	118	109	103	116	108	103	114	108	103	113	107	102	100	100	100
9	127	113	104	98	125	112	104	98	110	103	97	109	102	97	108	101	97	95	95	95
10	122	107	99	93	120	107	98	93	105	98	92	104	97	92	103	97	92	90	90	90

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux
0°-10°	503.1	14.3	23.0	0°	5609
10°-20°	1096.6	31.2	50.2	5°	5498
20°-30°	1174.6	33.4	53.8	15°	3908
30°-40°	636.5	18.1	29.2	25°	2604
40°-50°	99.1	2.8	4.5	35°	997
50°-60°	2.6	0.1	0.1	45°	92
60°-70°	0.6	0.0	0.0	55°	0
70°-80°	0.0	0.0	0.0	65°	0
80°-90°	0.0	0.0	0.0	75°	0
90°-100°	0.0	0.0	0.0	85°	0
100°-110°	0.0	0.0	0.0	90°	0
110°-120°	0.0	0.0	0.0	95°	0
120°-130°	0.0	0.0	0.0	105°	0
130°-140°	0.0	0.0	0.0	115°	0
140°-150°	0.0	0.0	0.0	125°	0
150°-160°	0.0	0.0	0.0	135°	0
160°-170°	0.0	0.0	0.0	145°	0
170°-180°	0.0	0.0	0.0	155°	0
0°-30°	2774.2	79.0	127.1	165°	0
0°-40°	3410.7	97.1	156.2	175°	0
0°-60°	3512.4	100.0	160.9	180°	0
0°-90°	3513.0	100.0	160.9		
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°	3513.0	100.0	160.9		



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5608.8
2.5°	5604.2
5°	5497.9
7.5°	5235.9
10°	4829.2
12.5°	4353.3
15°	3908.1
17.5°	3530.3
20°	3200.7
22.5°	2904.9
25°	2604.4
27.5°	2263.4
30°	1863.1
32.5°	1421.1
35°	996.7
37.5°	638.3
40°	368.0
42.5°	196.1
45°	91.6
47.5°	50.0
50°	16.0
52.5°	1.6
55°	0.0
57.5°	1.6
60°	1.6
62.5°	0.0
65°	0.0
67.5°	1.6
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)