

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: P251244

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251244
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: LSR8B60D010 EC8B60835 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: 2183 (1 lamp)
Luminaire Lumens: 5046.0 lumens
Efficiency: 231.2%
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

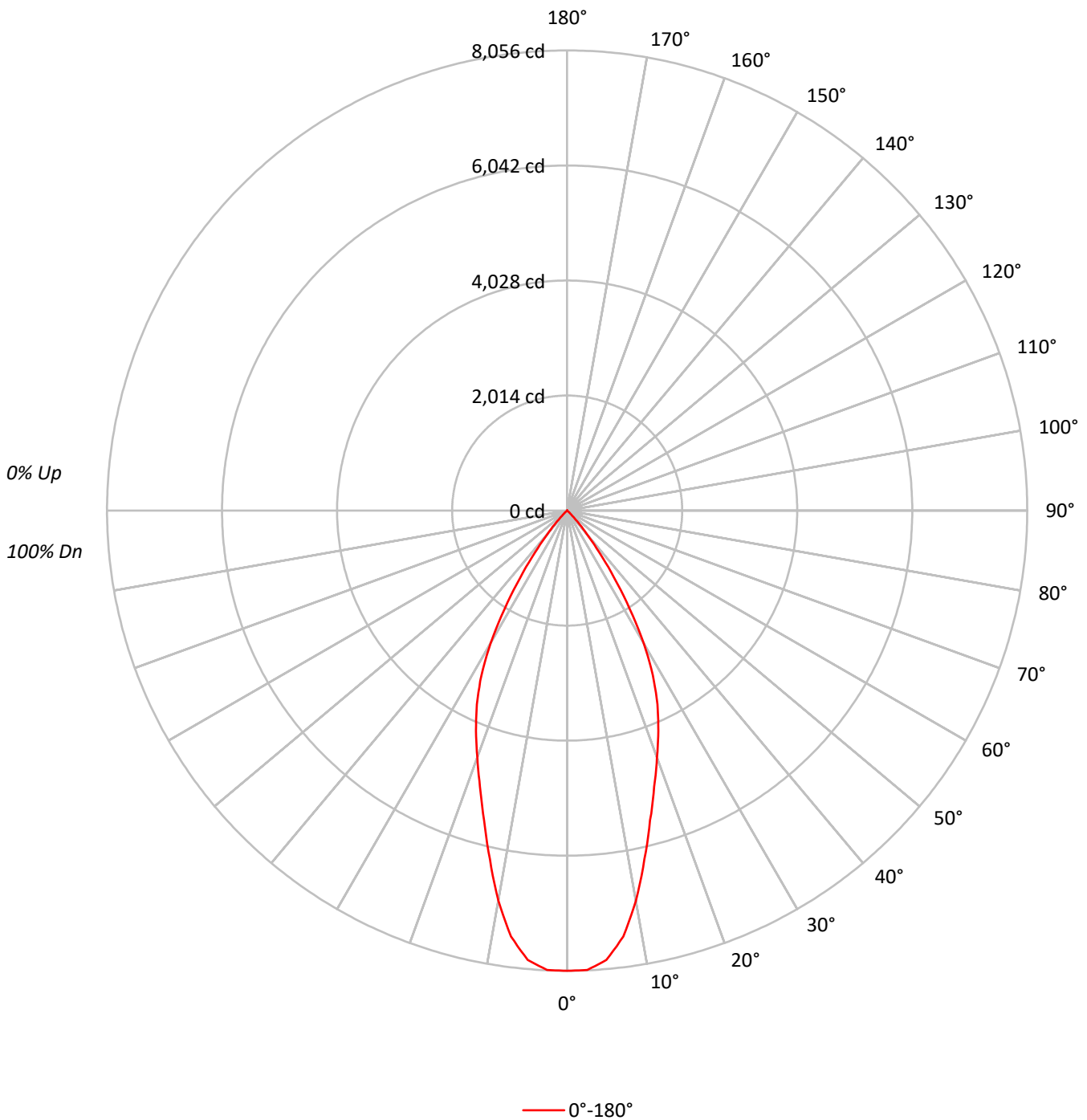
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20	20	20	20	20	20	20											
RC	80	70	50	30	10	0												
RW	70	50	30	10	70	50	30											
	10	10	10	10	50	30	10											
RCR																		
0	275	275	275	275	269	269	269	269	257	257	257	246	246	246	236	236	236	231
1	263	257	252	247	258	252	248	243	243	239	236	235	232	229	227	224	222	218
2	252	241	232	225	247	237	229	223	230	223	218	223	218	213	217	213	209	205
3	240	226	216	207	236	223	214	206	217	209	202	212	205	199	207	201	196	193
4	229	213	201	192	225	211	200	191	206	196	189	201	193	187	197	190	185	181
5	219	201	189	179	215	199	187	179	195	185	177	191	182	175	188	180	174	171
6	209	190	177	168	206	188	176	167	185	174	166	182	172	165	179	170	164	161
7	200	180	167	158	197	178	166	157	175	165	157	173	163	156	170	162	155	152
8	191	170	158	149	188	169	157	149	167	156	148	164	155	147	162	153	147	144
9	183	162	149	141	180	161	149	140	159	148	140	157	147	139	155	146	139	136
10	175	154	142	133	173	153	141	133	151	140	133	150	139	132	148	139	132	129

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248427
5°	244448
10°	217199
15°	179206
20°	150865
25°	127281
30°	95287
35°	53895
40°	21278
45°	5735
50°	1099
55°	0
60°	142
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	722.6	14.3	33.1	0°	8056	
10°-20°	1575.1	31.2	72.2	5°	7897	723
20°-30°	1687.2	33.4	77.3	15°	5614	1575
30°-40°	914.3	18.1	41.9	25°	3741	1687
40°-50°	142.3	2.8	6.5	35°	1432	914
50°-60°	3.7	0.1	0.2	45°	132	142
60°-70°	0.9	0.0	0.0	55°	0	4
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°	3984.9	79.0	182.5	165°	0	0
0°-40°	4899.1	97.1	224.4	175°	0	0
0°-60°	5045.1	100.0	231.1	180°	0	0
0°-90°	5046.0	100.0	231.2			
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°	5046.0	100.0	231.2			



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8056.3
2.5°	8049.8
5°	7897.1
7.5°	7520.7
10°	6936.6
12.5°	6253.0
15°	5613.5
17.5°	5070.8
20°	4597.4
22.5°	4172.5
25°	3740.9
27.5°	3251.1
30°	2676.1
32.5°	2041.2
35°	1431.7
37.5°	916.9
40°	528.6
42.5°	281.7
45°	131.5
47.5°	71.8
50°	22.9
52.5°	2.3
55°	0.0
57.5°	2.3
60°	2.3
62.5°	0.0
65°	0.0
67.5°	2.3
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)