

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: P246727

Luminaire Tested: **LD8B15D010 ER8B15940 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B15D010 ER8B15940 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1365.0 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

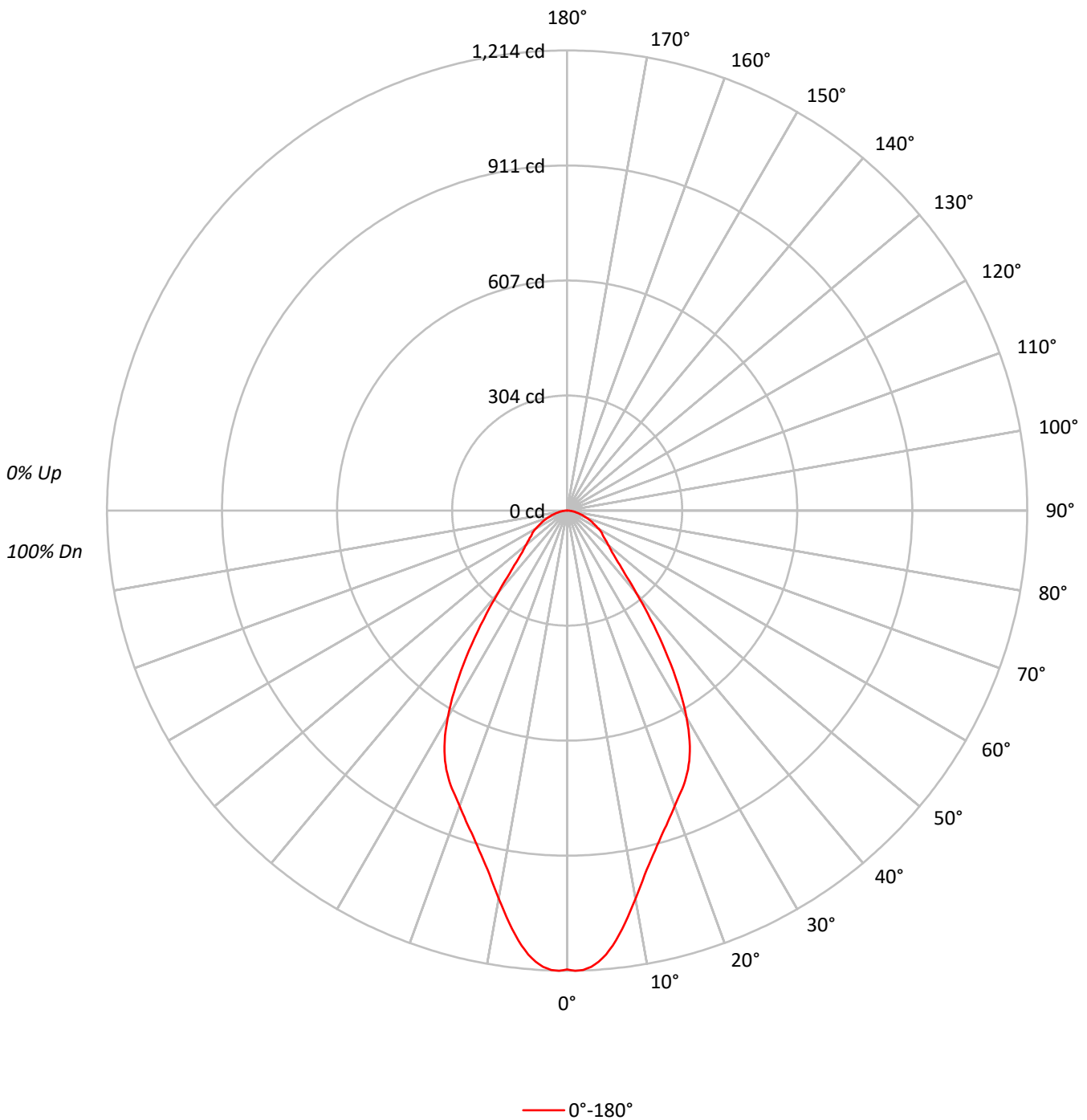
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

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

	0°
0°	37340
5°	36393
10°	32533
15°	29236
20°	27227
25°	25651
30°	22425
35°	16993
40°	11412
45°	8046
50°	6822
55°	6220
60°	5896
65°	5305
70°	4769
75°	4289
80°	3782
85°	3644



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.6	7.9
10°-20°	258.3	18.9
20°-30°	342.3	25.1
30°-40°	280.6	20.6
40°-50°	149.5	11.0
50°-60°	105.2	7.7
60°-70°	72.6	5.3
70°-80°	37.8	2.8
80°-90°	11.2	0.8
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°	708.1	51.9
0°-40°	988.8	72.4
0°-60°	1243.5	91.1
0°-90°	1365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1211	
5°	1176	108
15°	916	258
25°	754	342
35°	451	281
45°	184	149
55°	116	105
65°	73	73
75°	36	38
85°	10	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1210.9
1°	1214.3
2°	1212.8
3°	1205.7
4°	1193.4
5°	1175.7
6°	1153.6
7°	1127.1
8°	1098.6
9°	1068.3
10°	1039.0
11°	1011.0
12°	982.6
13°	958.8
14°	936.3
15°	915.8
16°	896.4
17°	878.6
18°	862.1
19°	845.5
20°	829.7
21°	814.3
22°	800.8
23°	787.1
24°	770.9
25°	753.9
26°	734.6
27°	712.8
28°	688.3
29°	661.1
30°	629.8
31°	597.1
32°	562.7
33°	526.0
34°	489.2
35°	451.4
37.5°	361.7
40°	283.5
42.5°	223.9
45°	184.5
47.5°	158.4
50°	142.2
52.5°	128.0
55°	115.7
57.5°	108.2



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	95.6
62.5°	83.3
65°	72.7
67.5°	63.2
70°	52.9
72.5°	44.2
75°	36.0
77.5°	26.0
80°	21.3
82.5°	15.4
85°	10.3
87.5°	4.8
90°	0.0

(END OF REPORT)