

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: P246289

Luminaire Tested: **LD8B15D010 ER8B15935 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15935 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 847.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

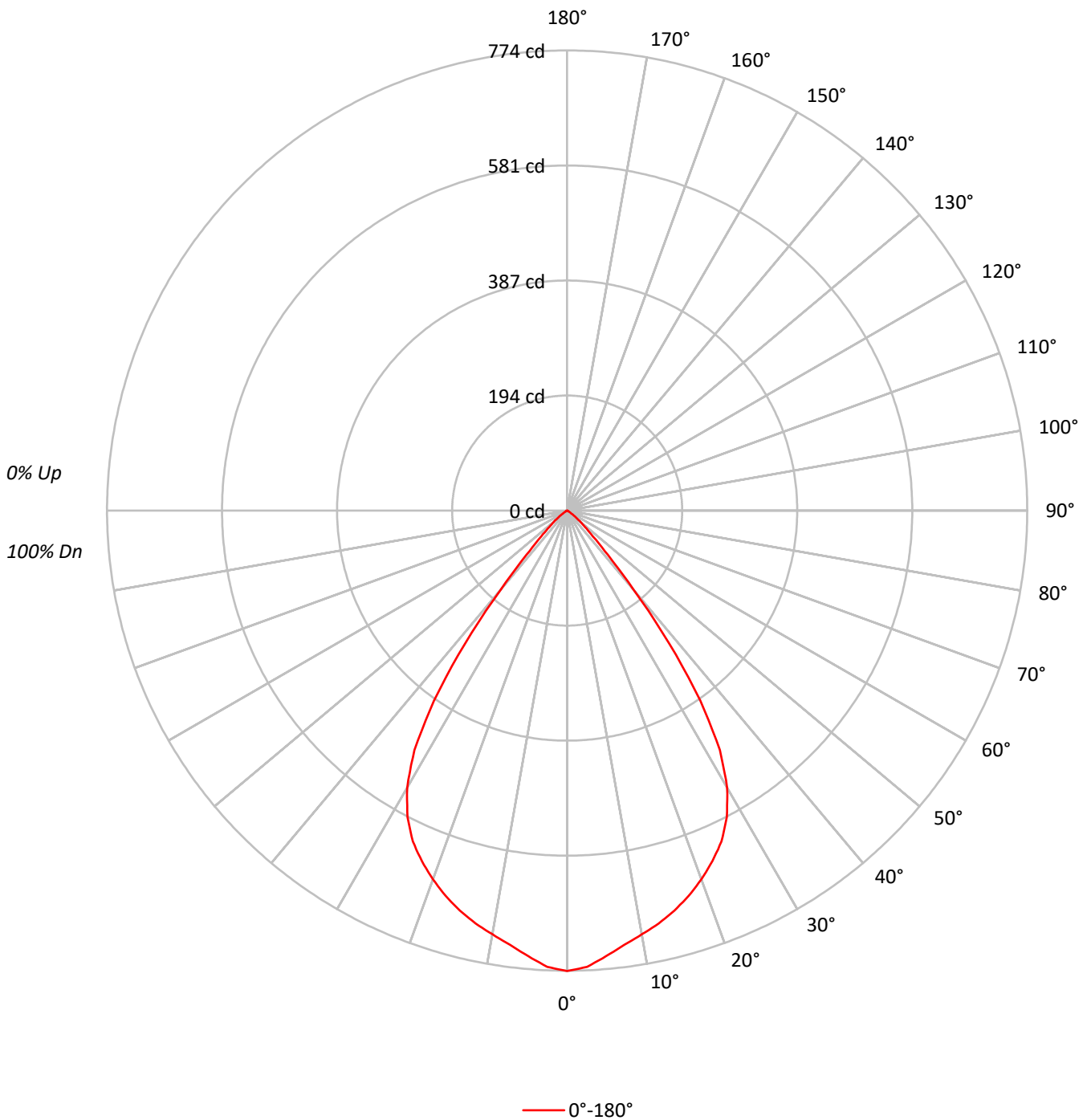
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		86	84	81	80
4	96	88	83	78	94	87	82	78	85	80	77		83	79	76		81	78	75	74
5	91	82	76	72	89	81	76	71	80	75	71		78	74	70		76	73	70	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	65	63
7	82	72	66	61	80	71	65	61	70	64	61		69	64	60		67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	56		65	60	56		64	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52		61	56	52		60	55	52	51
10	70	59	53	49	68	59	53	49	58	53	49		57	52	49		57	52	49	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23883
5°	23284
10°	22664
15°	22242
20°	21661
25°	20894
30°	19171
35°	14700
40°	6992
45°	2665
50°	1300
55°	532
60°	136
65°	29
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	8.4
10°-20°	196.1	23.1
20°-30°	279.9	33.1
30°-40°	232.0	27.4
40°-50°	57.2	6.8
50°-60°	10.3	1.2
60°-70°	0.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	546.9	64.6
0°-40°	778.9	92.0
0°-60°	846.4	99.9
0°-90°	847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	774	
5°	752	71
15°	697	196
25°	614	280
35°	390	232
45°	61	57
55°	10	10
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	774.5
2.5°	768.1
5°	752.2
7.5°	736.7
10°	723.8
12.5°	711.3
15°	696.7
17.5°	679.5
20°	660.1
22.5°	638.2
25°	614.1
27.5°	581.4
30°	538.4
32.5°	477.8
35°	390.5
37.5°	282.1
40°	173.7
42.5°	101.1
45°	61.1
47.5°	40.4
50°	27.1
52.5°	17.6
55°	9.9
57.5°	4.7
60°	2.2
62.5°	0.9
65°	0.4
67.5°	0.0
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

(END OF REPORT)