

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: P245335

Luminaire Tested: **LD8B15D010 ER8B15850 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15850 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

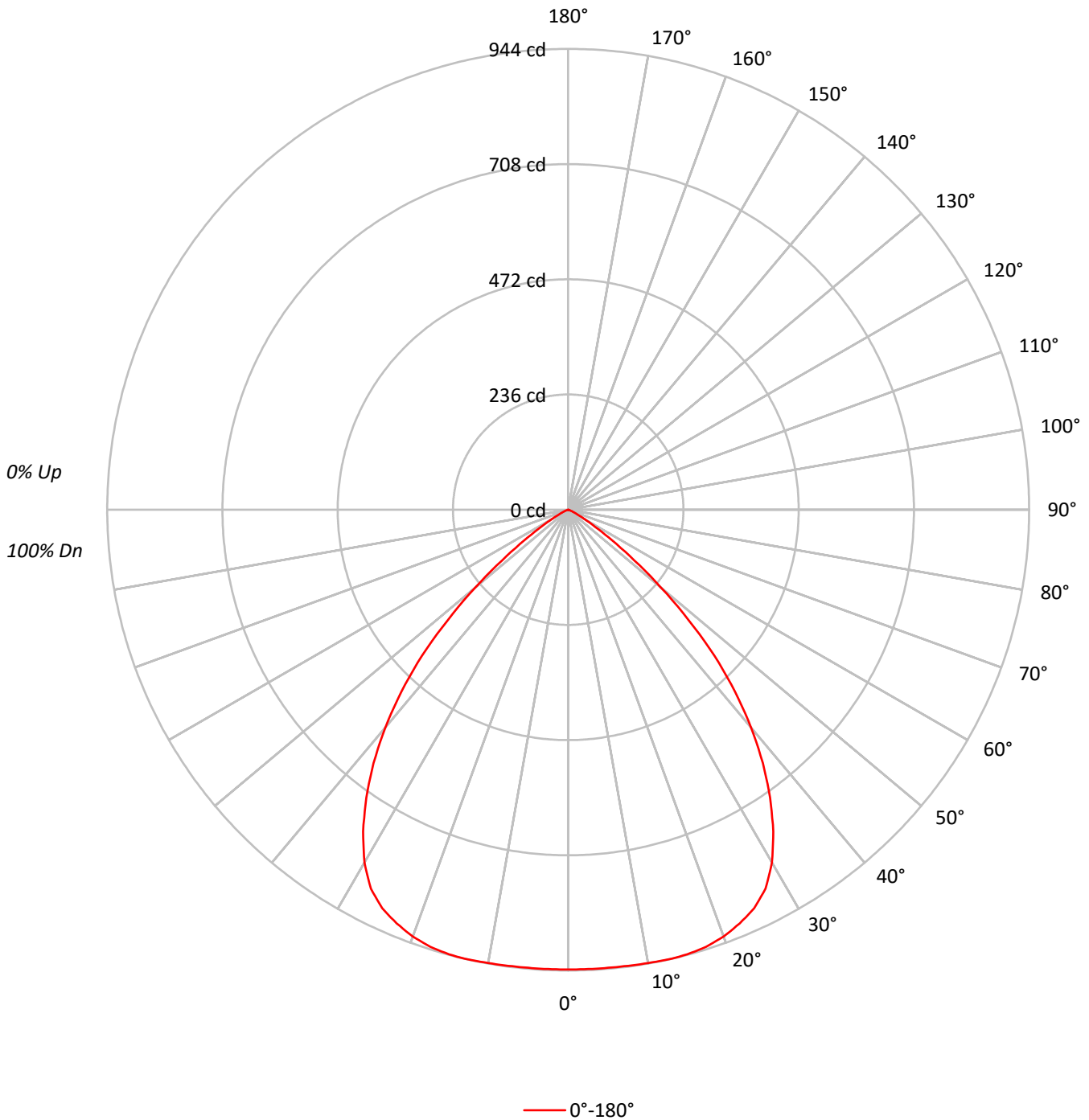
Lumens per Lamp: N/A
Luminaire Lumens: 1663.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P245335
CATALOG NUMBER: LD8B15D010 ER8B15850 8LBS0WH

Luminous Intensity Polar Plot





TEST NUMBER: P245335

CATALOG NUMBER: LD8B15D010 ER8B15850 8LBS0WH

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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29045
5°	29156
10°	29524
15°	30101
20°	30531
25°	30656
30°	29717
35°	27123
40°	23464
45°	18473
50°	11916
55°	5849
60°	2405
65°	1051
70°	307
75°	119
80°	89
85°	0



TEST NUMBER: P245335

CATALOG NUMBER: LD8B15D010 ER8B15850 8LBS0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	5.4
10°-20°	266.5	16.0
20°-30°	412.6	24.8
30°-40°	446.9	26.9
40°-50°	321.6	19.3
50°-60°	107.6	6.5
60°-70°	16.3	1.0
70°-80°	1.4	0.1
80°-90°	0.2	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°	769.0	46.2
0°-40°	1215.9	73.1
0°-60°	1645.2	98.9
0°-90°	1663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1663.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	942	
5°	942	90
15°	943	266
25°	901	413
35°	720	447
45°	424	322
55°	109	108
65°	14	16
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P245335

CATALOG NUMBER: LD8B15D010 ER8B15850 8LBS0WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	941.9
2.5°	941.9
5°	941.9
7.5°	942.4
10°	942.9
12.5°	943.9
15°	942.9
17.5°	939.1
20°	930.4
22.5°	917.4
25°	901.0
27.5°	875.0
30°	834.6
32.5°	781.7
35°	720.5
37.5°	654.6
40°	582.9
42.5°	505.9
45°	423.6
47.5°	334.5
50°	248.4
52.5°	170.4
55°	108.8
57.5°	65.0
60°	39.0
62.5°	23.6
65°	14.4
67.5°	7.2
70°	3.4
72.5°	1.4
75°	1.0
77.5°	1.0
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)