

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: P245755

Luminaire Tested: **LD8B15D010 ER8B15835 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15835 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1525.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

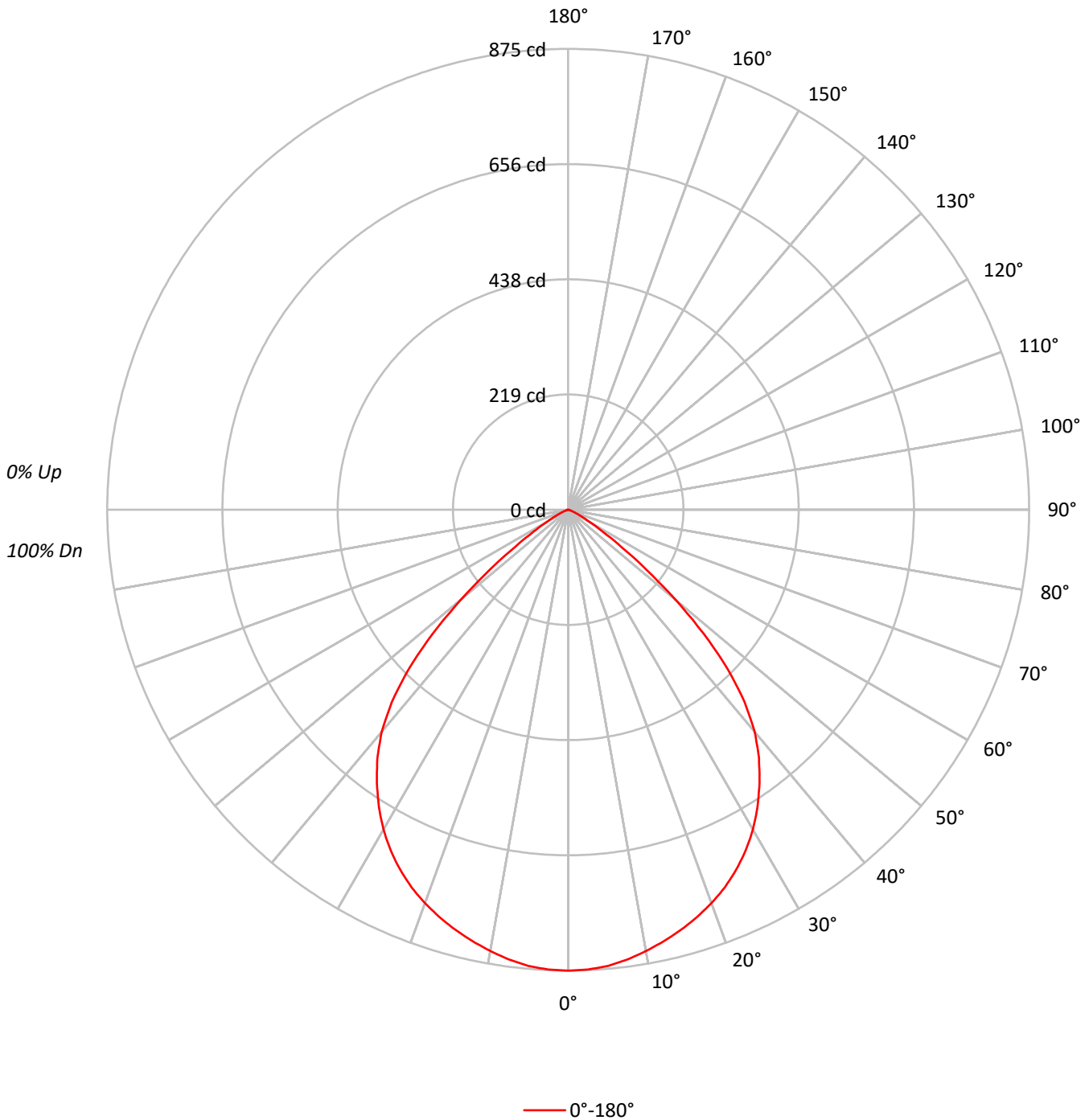
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245755

CATALOG NUMBER: LD8B15D010 ER8B15835 8LBS0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P245755

CATALOG NUMBER: LD8B15D010 ER8B15835 8LBS0GPH

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	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26991
5°	26911
10°	26647
15°	26373
20°	26095
25°	25668
30°	24967
35°	23829
40°	22156
45°	18708
50°	12698
55°	6634
60°	2979
65°	1452
70°	586
75°	357
80°	266
85°	177



TEST NUMBER: P245755

CATALOG NUMBER: LD8B15D010 ER8B15835 8LBS0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	5.4
10°-20°	233.0	15.3
20°-30°	346.9	22.7
30°-40°	394.3	25.9
40°-50°	322.4	21.1
50°-60°	120.2	7.9
60°-70°	22.0	1.4
70°-80°	3.4	0.2
80°-90°	0.5	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°	662.3	43.4
0°-40°	1056.5	69.3
0°-60°	1499.1	98.3
0°-90°	1525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	875	
5°	869	82
15°	826	233
25°	754	347
35°	633	394
45°	429	322
55°	123	120
65°	20	22
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P245755

CATALOG NUMBER: LD8B15D010 ER8B15835 8LBS0GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	875.3
2.5°	873.9
5°	869.4
7.5°	861.4
10°	851.0
12.5°	839.0
15°	826.1
17.5°	811.2
20°	795.2
22.5°	776.3
25°	754.4
27.5°	729.5
30°	701.2
32.5°	668.8
35°	633.0
37.5°	594.7
40°	550.4
42.5°	495.6
45°	429.0
47.5°	348.8
50°	264.7
52.5°	186.6
55°	123.4
57.5°	77.6
60°	48.3
62.5°	30.9
65°	19.9
67.5°	11.4
70°	6.5
72.5°	4.0
75°	3.0
77.5°	2.0
80°	1.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)