

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: P246705

Luminaire Tested: **LD8B30D010 ER8B30850 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246705
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: LD8B30D010 ER8B30850 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3140.0 lumens
Efficiency: N/A
Efficacy: 115.9 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

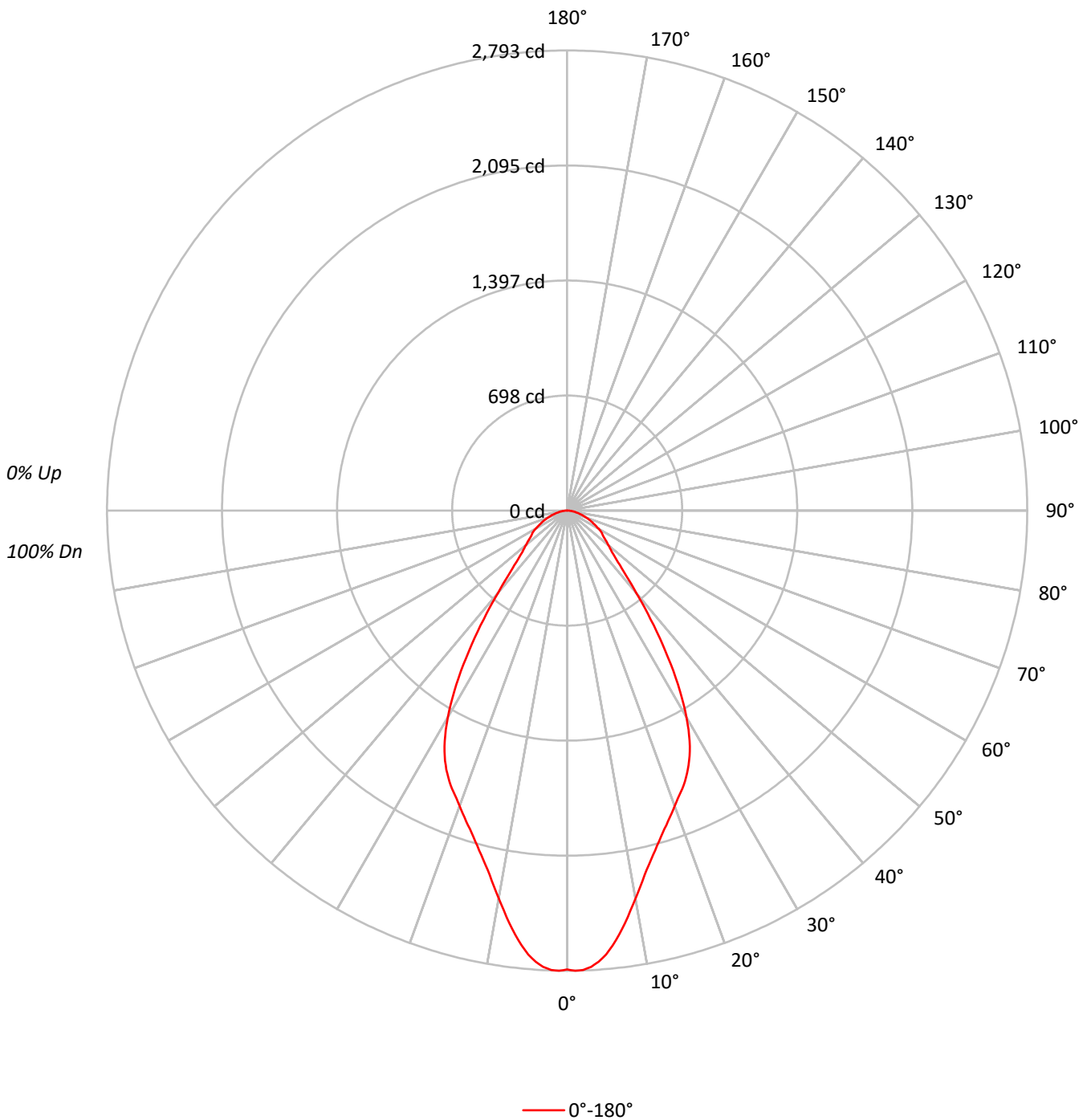
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246705

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBM0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246705

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBM0MW

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°	85895
5°	83715
10°	74839
15°	67255
20°	62631
25°	59005
30°	51587
35°	39090
40°	26254
45°	18503
50°	15692
55°	14311
60°	13562
65°	12200
70°	10972
75°	9865
80°	8684
85°	8385



TEST NUMBER: P246705

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBM0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.5	7.9
10°-20°	594.1	18.9
20°-30°	787.3	25.1
30°-40°	645.6	20.6
40°-50°	343.9	11.0
50°-60°	242.0	7.7
60°-70°	166.9	5.3
70°-80°	86.9	2.8
80°-90°	25.7	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°	1628.9	51.9
0°-40°	2274.5	72.4
0°-60°	2860.5	91.1
0°-90°	3140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3140.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2786	
5°	2704	248
15°	2107	594
25°	1734	787
35°	1038	646
45°	424	344
55°	266	242
65°	167	167
75°	83	87
85°	24	26
90°	0	



TEST NUMBER: P246705

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBM0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2785.5
1°	2793.3
2°	2790.0
3°	2773.4
4°	2745.2
5°	2704.5
6°	2653.7
7°	2592.6
8°	2527.2
9°	2457.5
10°	2390.1
11°	2325.7
12°	2260.2
13°	2205.7
14°	2153.9
15°	2106.7
16°	2062.2
17°	2021.1
18°	1983.1
19°	1945.0
20°	1908.6
21°	1873.1
22°	1842.2
23°	1810.5
24°	1773.4
25°	1734.2
26°	1689.8
27°	1639.7
28°	1583.3
29°	1520.7
30°	1448.8
31°	1373.5
32°	1294.4
33°	1210.1
34°	1125.4
35°	1038.4
37.5°	832.1
40°	652.2
42.5°	515.1
45°	424.3
47.5°	364.4
50°	327.1
52.5°	294.4
55°	266.2
57.5°	248.9



TEST NUMBER: P246705

CATALOG NUMBER: LD8B30D010 ER8B30850 8LBM0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	219.9
62.5°	191.7
65°	167.2
67.5°	145.4
70°	121.7
72.5°	101.6
75°	82.8
77.5°	59.9
80°	48.9
82.5°	35.4
85°	23.7
87.5°	11.0
90°	0.0

(END OF REPORT)