

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: P251346

Luminaire Tested: **LD8B60D010 ER8B60950 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251346
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: LD8B60D010 ER8B60950 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3661.0 lumens
Efficiency: N/A
Efficacy: 61.5 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

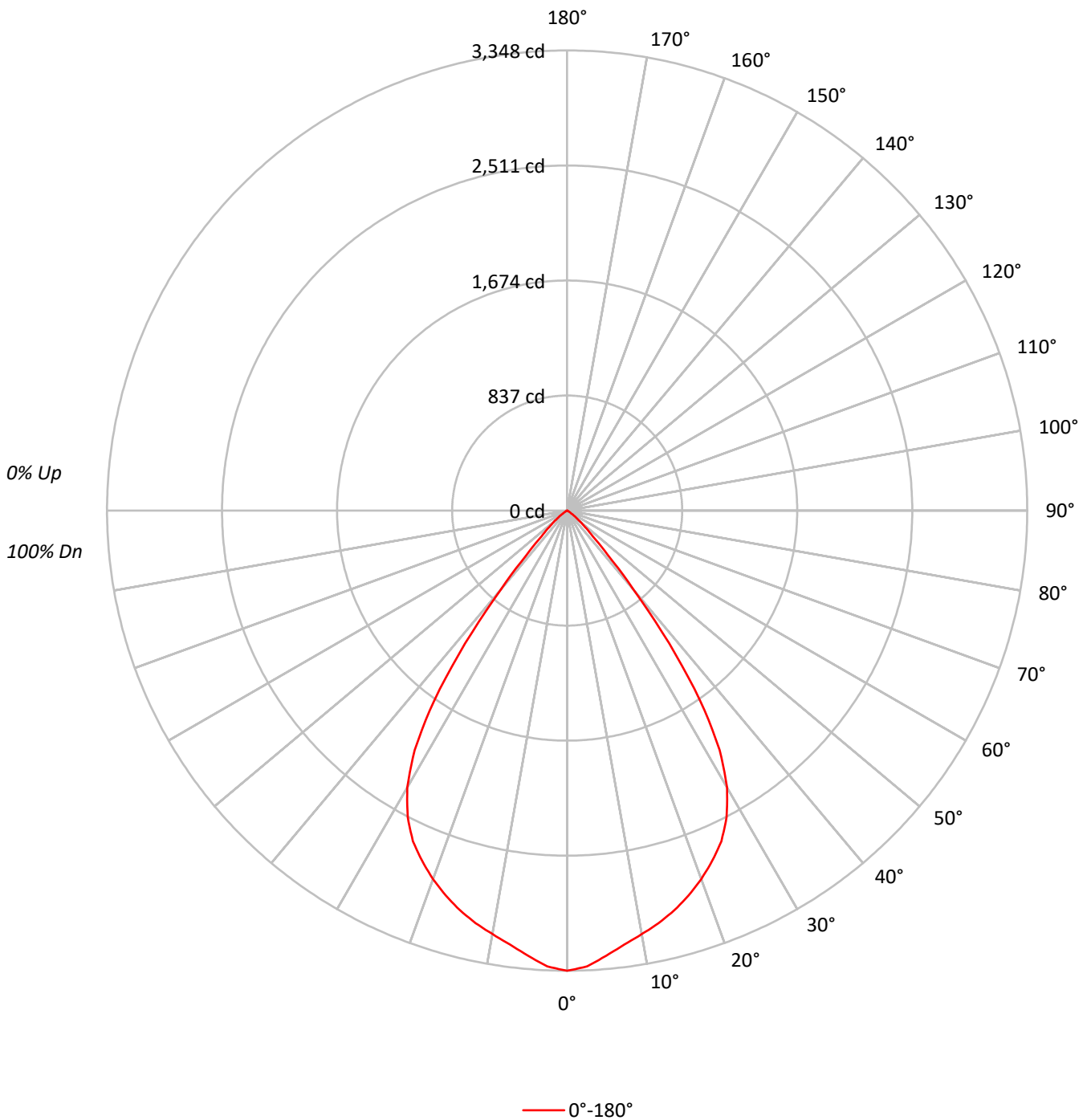
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251346

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0B

Luminous Intensity Polar Plot





TEST NUMBER: P251346

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	113	110	108	106	111	108	106	104	104	102	101	101	101	99	98	98	97	96	95	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	92	94	92	90	90	92	90	88	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	84	89	85	82	82	86	84	81	81	80	80	80	80
4	96	88	83	78	94	87	82	78	85	80	77	77	83	79	76	76	81	78	75	75	74	74	74	74
5	91	82	76	72	89	81	76	71	80	75	71	71	78	74	70	70	76	73	70	70	68	68	68	68
6	86	77	71	66	85	76	70	66	74	69	65	65	73	68	65	65	72	68	65	65	63	63	63	63
7	82	72	66	61	80	71	65	61	70	64	61	61	69	64	60	60	67	63	60	60	58	58	58	58
8	77	67	61	57	76	67	61	57	66	60	56	56	65	60	56	56	64	59	56	56	54	54	54	54
9	73	63	57	53	72	63	57	53	62	56	52	52	61	56	52	52	60	55	52	52	51	51	51	51
10	70	59	53	49	68	59	53	49	58	53	49	49	57	52	49	49	57	52	49	49	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103234
5°	100638
10°	97960
15°	96136
20°	93635
25°	90317
30°	82867
35°	63540
40°	30231
45°	11513
50°	5618
55°	2301
60°	574
65°	139
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P251346

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.5	8.4
10°-20°	847.4	23.1
20°-30°	1210.0	33.1
30°-40°	1002.8	27.4
40°-50°	247.3	6.8
50°-60°	44.5	1.2
60°-70°	2.5	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°	2363.9	64.6
0°-40°	3366.8	92.0
0°-60°	3658.5	99.9
0°-90°	3661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3661.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3348	
5°	3251	307
15°	3011	847
25°	2654	1210
35°	1688	1003
45°	264	247
55°	43	44
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P251346

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0B

CANDELA DISTRIBUTION (FULL):

	0°
0°	3347.8
2.5°	3319.9
5°	3251.2
7.5°	3184.2
10°	3128.5
12.5°	3074.6
15°	3011.4
17.5°	2937.0
20°	2853.4
22.5°	2758.6
25°	2654.5
27.5°	2513.2
30°	2327.3
32.5°	2065.2
35°	1687.9
37.5°	1219.4
40°	751.0
42.5°	436.8
45°	264.0
47.5°	174.7
50°	117.1
52.5°	76.2
55°	42.8
57.5°	20.4
60°	9.3
62.5°	3.7
65°	1.9
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)