

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: P251124

Luminaire Tested: **LD8B60D010 ER8B609727 8LBW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P200903)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B609727 8LBW0WH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4483.9 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

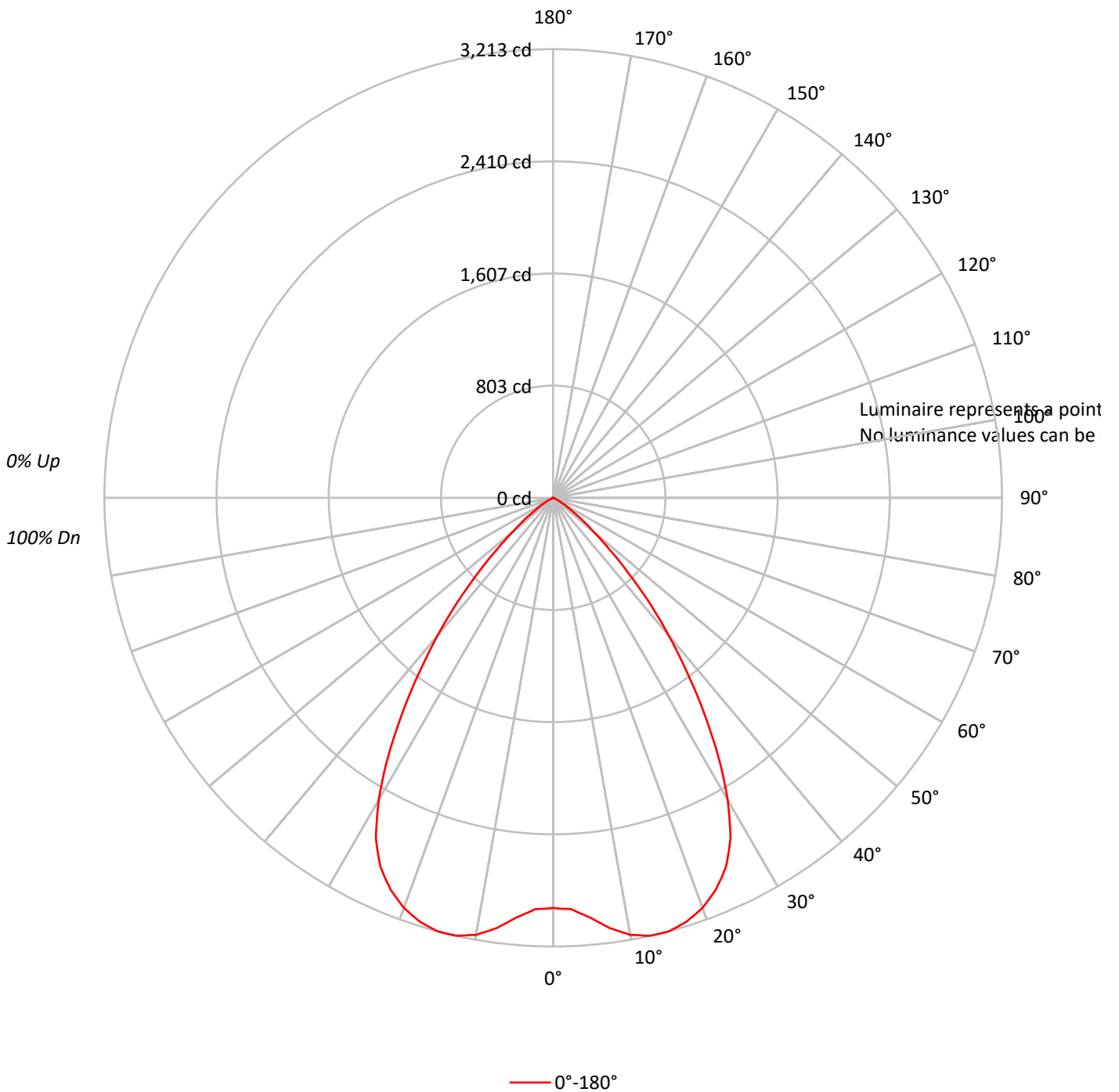
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251124

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P251124

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBW0WH

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	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78	75	72	70
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73	69	66	64
6	83	73	67	62	82	73	66	62	71	65	61		69	64	61		68	64	60	59
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64	59	55	54
8	74	63	57	52	73	63	56	52	62	56	52		61	55	51		59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P251124

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBW0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.5	6.5
10°-20°	903.3	20.1
20°-30°	1325.2	29.6
30°-40°	1170.7	26.1
40°-50°	599.6	13.4
50°-60°	167.6	3.7
60°-70°	21.4	0.5
70°-80°	2.2	0.0
80°-90°	0.4	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°	2522.0	56.2
0°-40°	3692.7	82.4
0°-60°	4459.9	99.5
0°-90°	4483.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4483.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2937	
5°	3016	294
15°	3213	903
25°	2922	1325
35°	1883	1171
45°	759	600
55°	171	168
65°	11	21
75°	0	2
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



TEST NUMBER: P251124

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBW0WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2937.4
2.5°	2948.7
5°	3016.0
7.5°	3108.1
10°	3177.9
12.5°	3211.9
15°	3213.1
17.5°	3180.8
20°	3125.7
22.5°	3038.5
25°	2922.5
27.5°	2749.5
30°	2499.4
32.5°	2203.1
35°	1883.0
37.5°	1571.1
40°	1286.6
42.5°	1018.2
45°	758.6
47.5°	541.4
50°	372.9
52.5°	260.6
55°	171.1
57.5°	108.6
60°	64.8
62.5°	33.6
65°	11.3
67.5°	7.3
70°	6.3
72.5°	3.7
75°	0.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



TEST NUMBER: P251124

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBW0WH

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)