

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: P250926

Luminaire Tested: **LSR8B60D010 EC8B60935 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60935 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5332.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

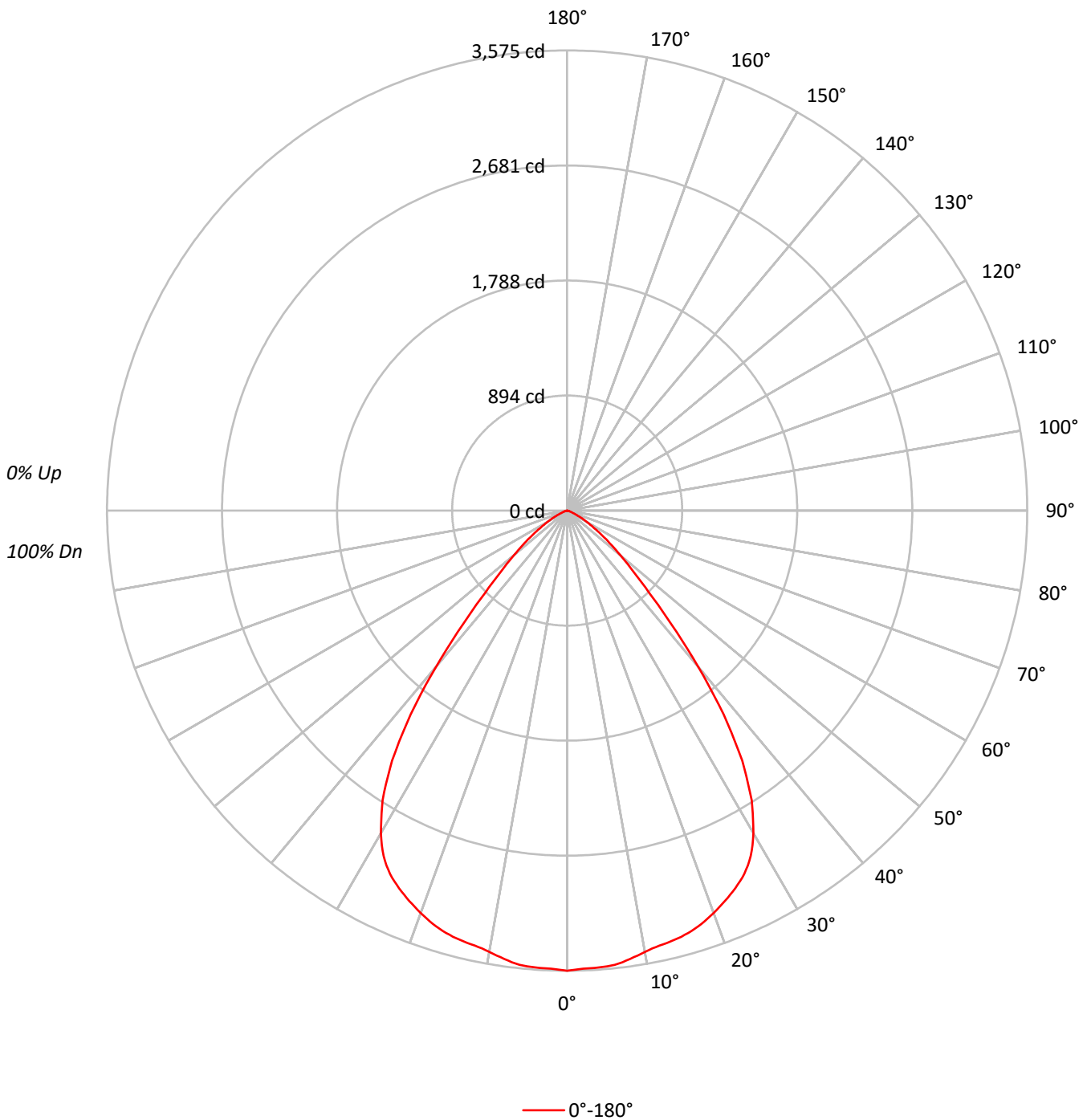
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110249
5°	110002
10°	109007
15°	109417
20°	109183
25°	108118
30°	103053
35°	89224
40°	63650
45°	39113
50°	25800
55°	17069
60°	10928
65°	5961
70°	2921
75°	1465
80°	817
85°	531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	6.3
10°-20°	966.7	18.1
20°-30°	1454.8	27.3
30°-40°	1440.3	27.0
40°-50°	731.8	13.7
50°-60°	294.8	5.5
60°-70°	89.3	1.7
70°-80°	15.4	0.3
80°-90°	1.9	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°	2758.4	51.7
0°-40°	4198.7	78.7
0°-60°	5225.4	98.0
0°-90°	5332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5332.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3575	
5°	3554	337
15°	3427	967
25°	3178	1455
35°	2370	1440
45°	897	732
55°	318	295
65°	82	89
75°	12	15
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3575.3
1°	3567.6
2°	3561.4
3°	3559.9
4°	3558.4
5°	3553.7
6°	3547.6
7°	3535.3
8°	3516.8
9°	3499.8
10°	3481.3
11°	3465.9
12°	3455.1
13°	3447.4
14°	3438.2
15°	3427.4
16°	3413.5
17°	3396.6
18°	3376.5
19°	3353.4
20°	3327.2
21°	3299.5
22°	3271.7
23°	3242.4
24°	3211.6
25°	3177.7
26°	3140.7
27°	3093.0
28°	3037.5
29°	2971.2
30°	2894.2
32.5°	2669.2
35°	2370.2
37.5°	1997.2
40°	1581.2
42.5°	1194.3
45°	896.9
47.5°	685.8
50°	537.8
52.5°	417.6
55°	317.5
57.5°	235.8
60°	177.2
62.5°	126.4
65°	81.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	50.9
70°	32.4
72.5°	20.0
75°	12.3
77.5°	7.7
80°	4.6
82.5°	3.1
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)