

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: P250918

Luminaire Tested: **LSR8B60D010 EC8B60840 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250918
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 EC8B60840 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6211.0 lumens
Efficiency: N/A
Efficacy: 104.4 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

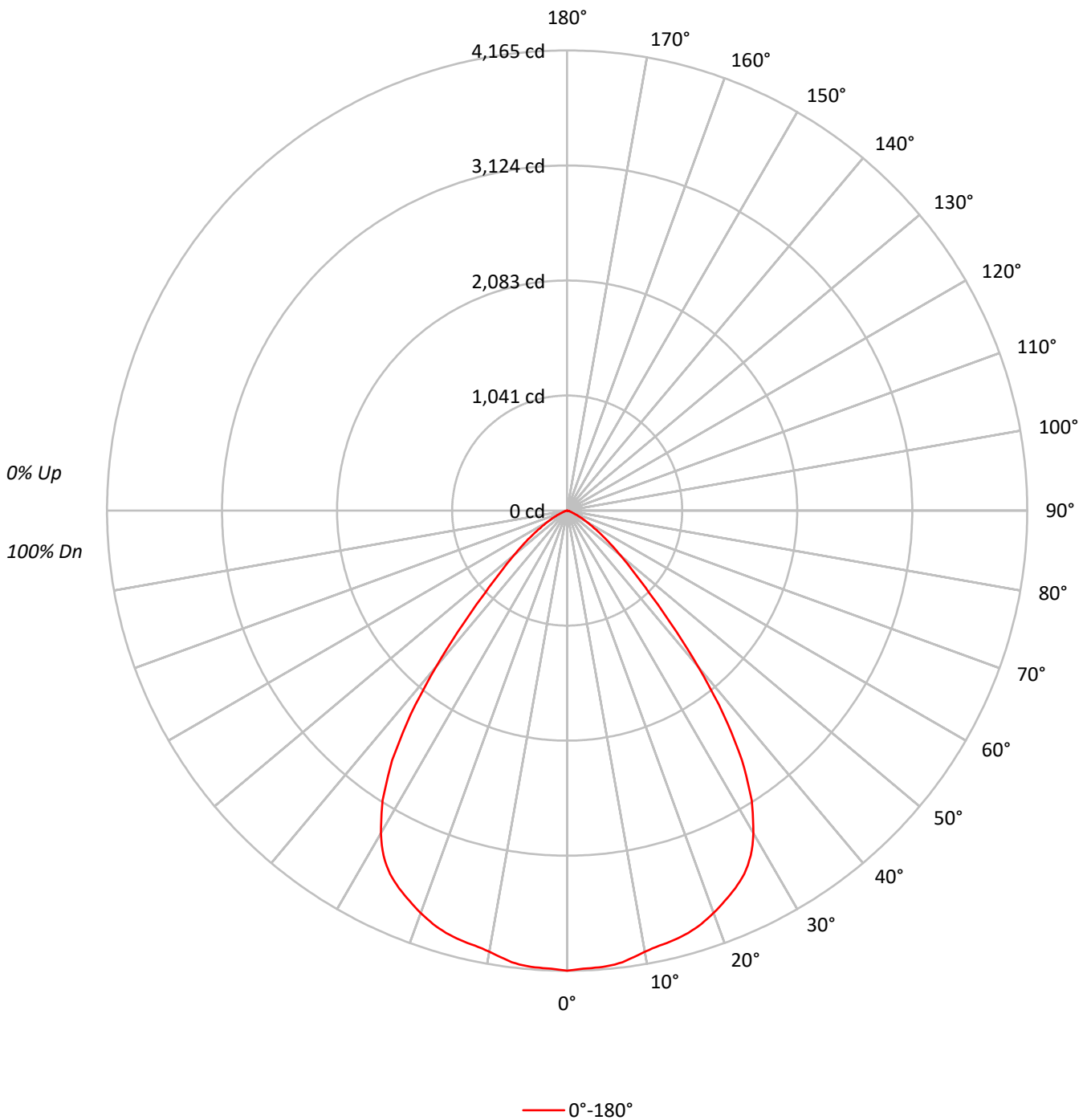
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92					92			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83					83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75					75			
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68					68			
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62					62			
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56					56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52					52			
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47					47			
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44					44			
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40					40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128424
5°	128138
10°	126976
15°	127454
20°	127182
25°	125944
30°	120041
35°	103932
40°	74140
45°	45563
50°	30055
55°	19881
60°	12729
65°	6939
70°	3399
75°	1716
80°	959
85°	637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	6.3
10°-20°	1126.1	18.1
20°-30°	1694.6	27.3
30°-40°	1677.8	27.0
40°-50°	852.5	13.7
50°-60°	343.5	5.5
60°-70°	104.0	1.7
70°-80°	17.9	0.3
80°-90°	2.2	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°	3213.1	51.7
0°-40°	4890.9	78.7
0°-60°	6086.8	98.0
0°-90°	6211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6211.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4165	
5°	4140	392
15°	3992	1126
25°	3702	1695
35°	2761	1678
45°	1045	852
55°	370	343
65°	95	104
75°	14	18
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4164.7
1°	4155.7
2°	4148.6
3°	4146.8
4°	4145.0
5°	4139.6
6°	4132.4
7°	4118.0
8°	4096.5
9°	4076.8
10°	4055.2
11°	4037.3
12°	4024.7
13°	4015.7
14°	4005.0
15°	3992.4
16°	3976.2
17°	3956.5
18°	3933.1
19°	3906.2
20°	3875.7
21°	3843.4
22°	3811.1
23°	3777.0
24°	3741.1
25°	3701.6
26°	3658.5
27°	3602.8
28°	3538.2
29°	3461.0
30°	3371.3
32.5°	3109.2
35°	2760.9
37.5°	2326.5
40°	1841.8
42.5°	1391.2
45°	1044.8
47.5°	798.8
50°	626.5
52.5°	486.5
55°	369.8
57.5°	274.7
60°	206.4
62.5°	147.2
65°	95.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	59.2
70°	37.7
72.5°	23.3
75°	14.4
77.5°	9.0
80°	5.4
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)