

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: P251120

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251120
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: LSR8B60D010 EC8B60940 8LBW0WH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5736.0 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

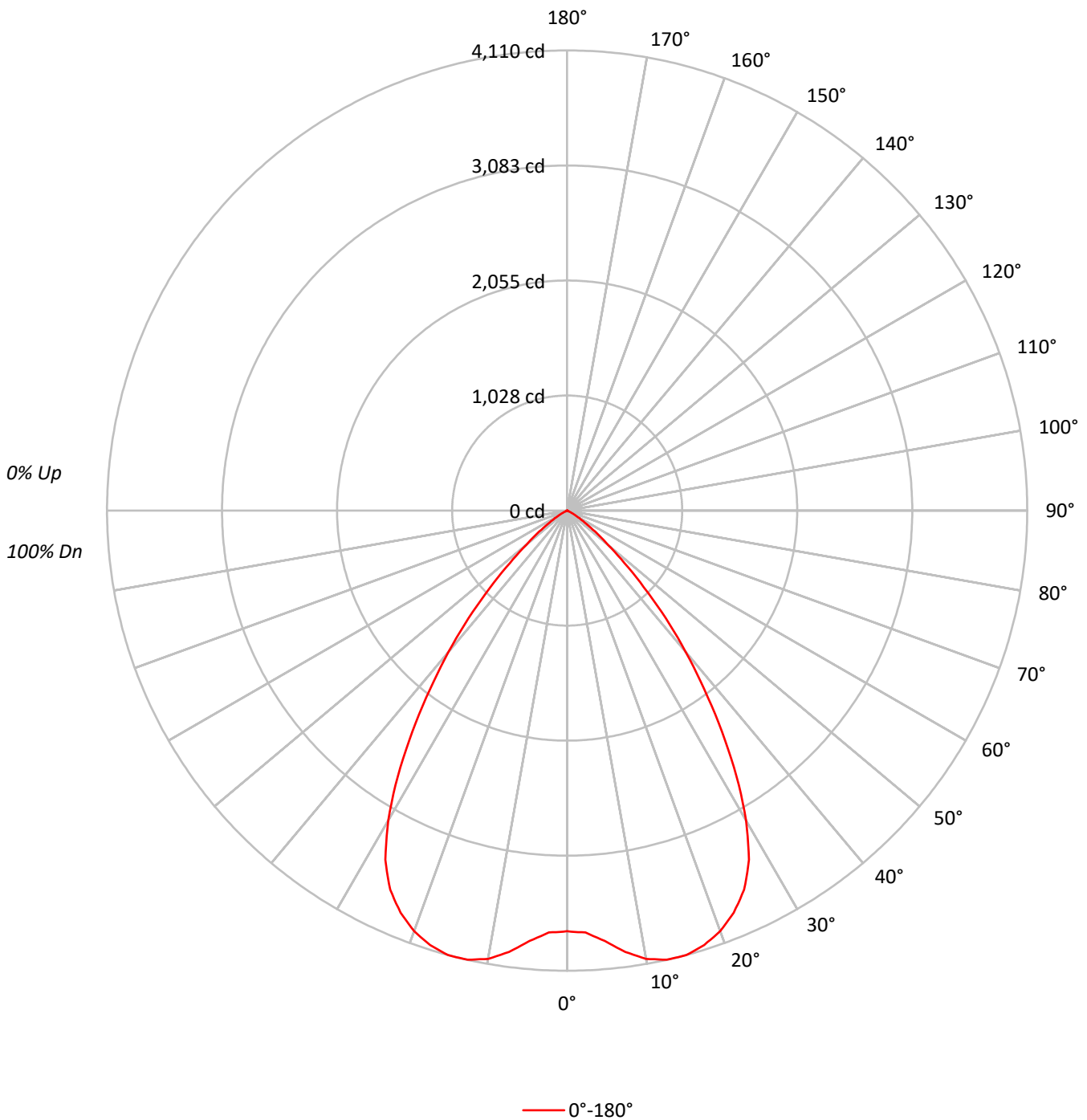
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	115871
5°	119424
10°	127290
15°	131218
20°	131209
25°	127199
30°	113845
35°	90677
40°	66254
45°	42318
50°	22888
55°	11768
60°	5113
65°	1051
70°	721
75°	0
80°	231
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.5	6.5
10°-20°	1155.5	20.1
20°-30°	1695.2	29.6
30°-40°	1497.5	26.1
40°-50°	767.1	13.4
50°-60°	214.5	3.7
60°-70°	27.4	0.5
70°-80°	2.8	0.0
80°-90°	0.5	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°	3226.2	56.2
0°-40°	4723.7	82.4
0°-60°	5705.3	99.5
0°-90°	5736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5736.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3758	
5°	3858	375
15°	4110	1155
25°	3738	1695
35°	2409	1498
45°	970	767
55°	219	214
65°	14	27
75°	0	3
85°	0	1
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



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3757.6
2.5°	3772.0
5°	3858.1
7.5°	3976.0
10°	4065.2
12.5°	4108.8
15°	4110.3
17.5°	4068.9
20°	3998.4
22.5°	3886.9
25°	3738.5
27.5°	3517.2
30°	3197.3
32.5°	2818.2
35°	2408.8
37.5°	2009.8
40°	1645.9
42.5°	1302.4
45°	970.4
47.5°	692.6
50°	477.1
52.5°	333.4
55°	218.9
57.5°	139.0
60°	82.9
62.5°	43.0
65°	14.4
67.5°	9.4
70°	8.0
72.5°	4.7
75°	0.0
77.5°	1.3
80°	1.3
82.5°	1.3
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



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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)