

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: P250798

Luminaire Tested: **LSR8B60D010 EC8B60840 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60840 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6538.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

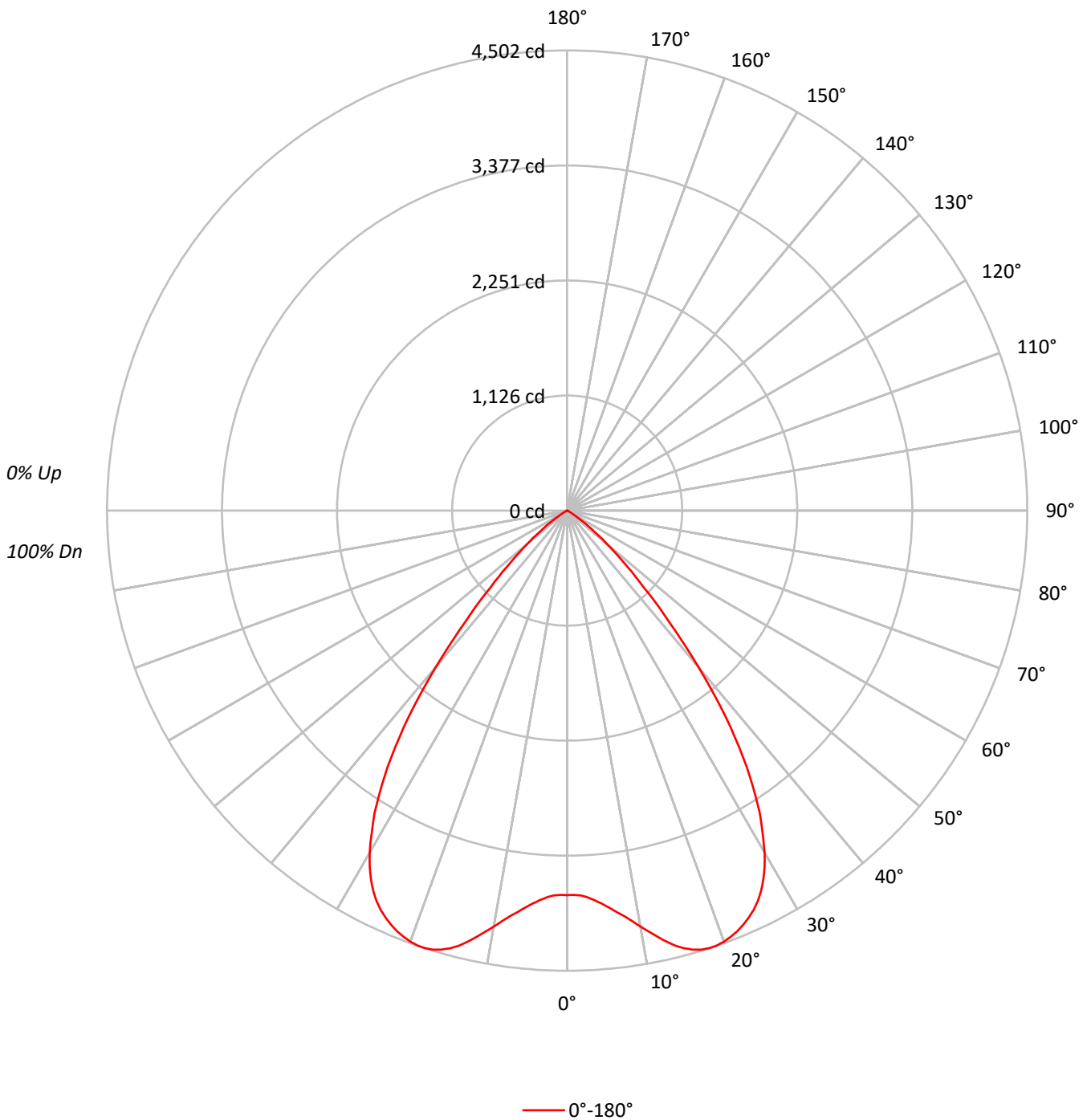
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116000
5°	119433
10°	129381
15°	141561
20°	147275
25°	146736
30°	137638
35°	115413
40°	80359
45°	46025
50°	24716
55°	10193
60°	2535
65°	649
70°	325
75°	214
80°	320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.2	5.8
10°-20°	1249.8	19.1
20°-30°	1966.5	30.1
30°-40°	1870.5	28.6
40°-50°	862.4	13.2
50°-60°	195.9	3.0
60°-70°	12.9	0.2
70°-80°	2.6	0.0
80°-90°	0.2	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°	3593.4	55.0
0°-40°	5464.0	83.6
0°-60°	6522.3	99.8
0°-90°	6538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3762	
5°	3858	377
15°	4434	1250
25°	4313	1966
35°	3066	1871
45°	1055	862
55°	190	196
65°	9	13
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3761.8
1°	3760.0
2°	3767.1
3°	3788.6
4°	3820.8
5°	3858.4
6°	3904.9
7°	3954.9
8°	4006.8
9°	4067.6
10°	4132.0
11°	4196.4
12°	4264.4
13°	4328.8
14°	4387.8
15°	4434.3
16°	4468.3
17°	4491.6
18°	4502.3
19°	4500.5
20°	4488.0
21°	4466.5
22°	4439.7
23°	4403.9
24°	4362.8
25°	4312.7
26°	4253.7
27°	4178.5
28°	4089.1
29°	3985.4
30°	3865.5
32.5°	3506.0
35°	3065.9
37.5°	2554.3
40°	1996.3
42.5°	1475.7
45°	1055.4
47.5°	747.7
50°	515.2
52.5°	329.1
55°	189.6
57.5°	94.8
60°	41.1
62.5°	16.1
65°	8.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.4
70°	3.6
72.5°	3.6
75°	1.8
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)