

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: P250928

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250928
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 EC8B60940 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5569.0 lumens
Efficiency: N/A
Efficacy: 93.6 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

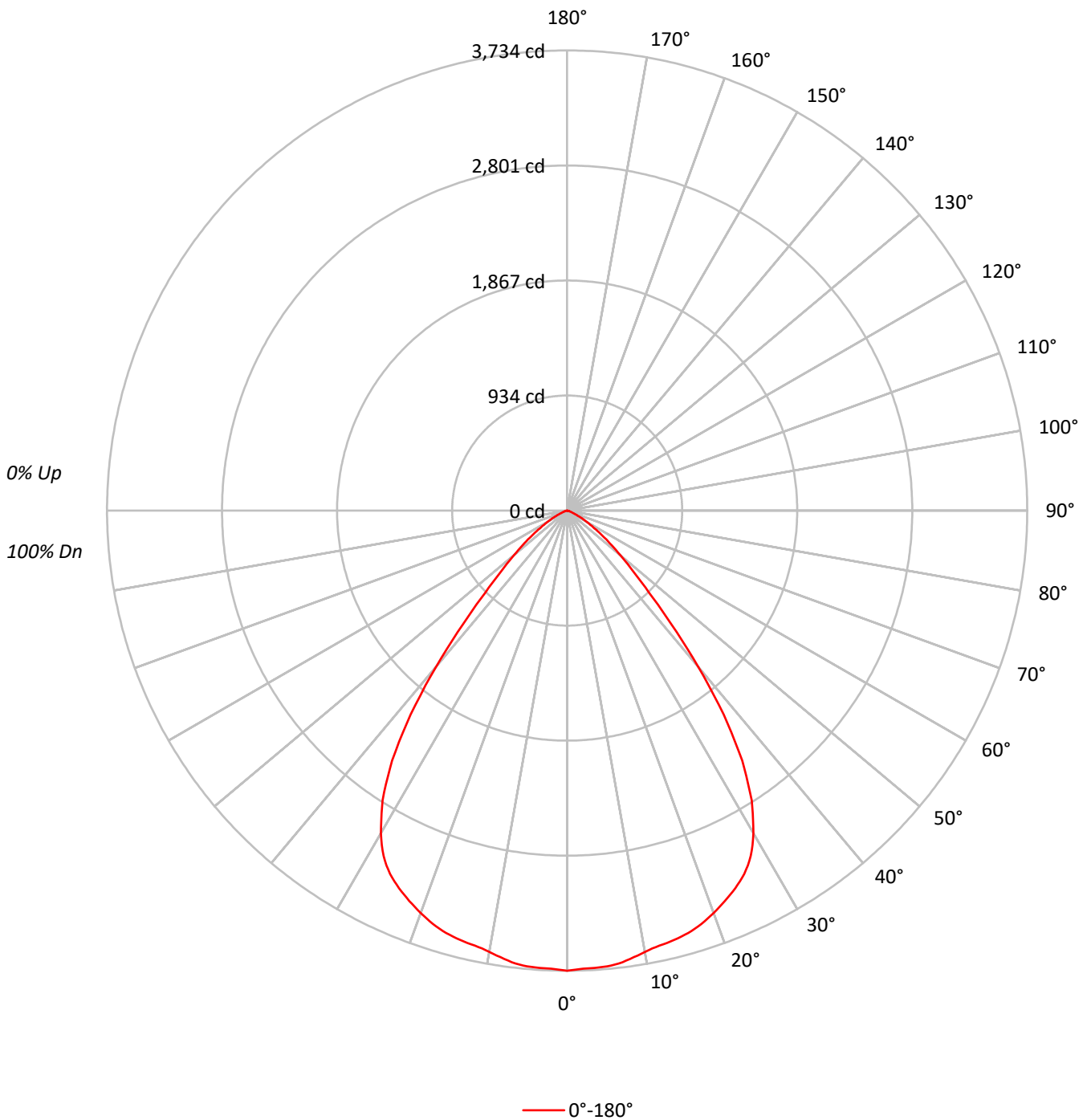
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	115149
5°	114892
10°	113854
15°	114279
20°	114037
25°	112926
30°	107632
35°	93188
40°	66475
45°	40853
50°	26946
55°	17827
60°	11416
65°	6224
70°	3047
75°	1537
80°	852
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.9	6.3
10°-20°	1009.7	18.1
20°-30°	1519.5	27.3
30°-40°	1504.3	27.0
40°-50°	764.4	13.7
50°-60°	308.0	5.5
60°-70°	93.3	1.7
70°-80°	16.1	0.3
80°-90°	2.0	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°	2881.0	51.7
0°-40°	4385.3	78.7
0°-60°	5457.7	98.0
0°-90°	5569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5569.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3734	
5°	3712	352
15°	3580	1010
25°	3319	1519
35°	2476	1504
45°	937	764
55°	332	308
65°	85	93
75°	13	16
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3734.2
1°	3726.2
2°	3719.7
3°	3718.1
4°	3716.5
5°	3711.7
6°	3705.3
7°	3692.4
8°	3673.1
9°	3655.4
10°	3636.1
11°	3620.0
12°	3608.7
13°	3600.6
14°	3591.0
15°	3579.7
16°	3565.2
17°	3547.5
18°	3526.6
19°	3502.5
20°	3475.1
21°	3446.1
22°	3417.1
23°	3386.6
24°	3354.4
25°	3319.0
26°	3280.3
27°	3230.4
28°	3172.5
29°	3103.3
30°	3022.8
32.5°	2787.8
35°	2475.5
37.5°	2086.0
40°	1651.4
42.5°	1247.4
45°	936.8
47.5°	716.3
50°	561.7
52.5°	436.2
55°	331.6
57.5°	246.3
60°	185.1
62.5°	132.0
65°	85.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	53.1
70°	33.8
72.5°	20.9
75°	12.9
77.5°	8.0
80°	4.8
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)