

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: P250912

Luminaire Tested: **LSR8B60D010 EC8B60827 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250912
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 EC8B60827 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5866.1 lumens
Efficiency: N/A
Efficacy: 98.6 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

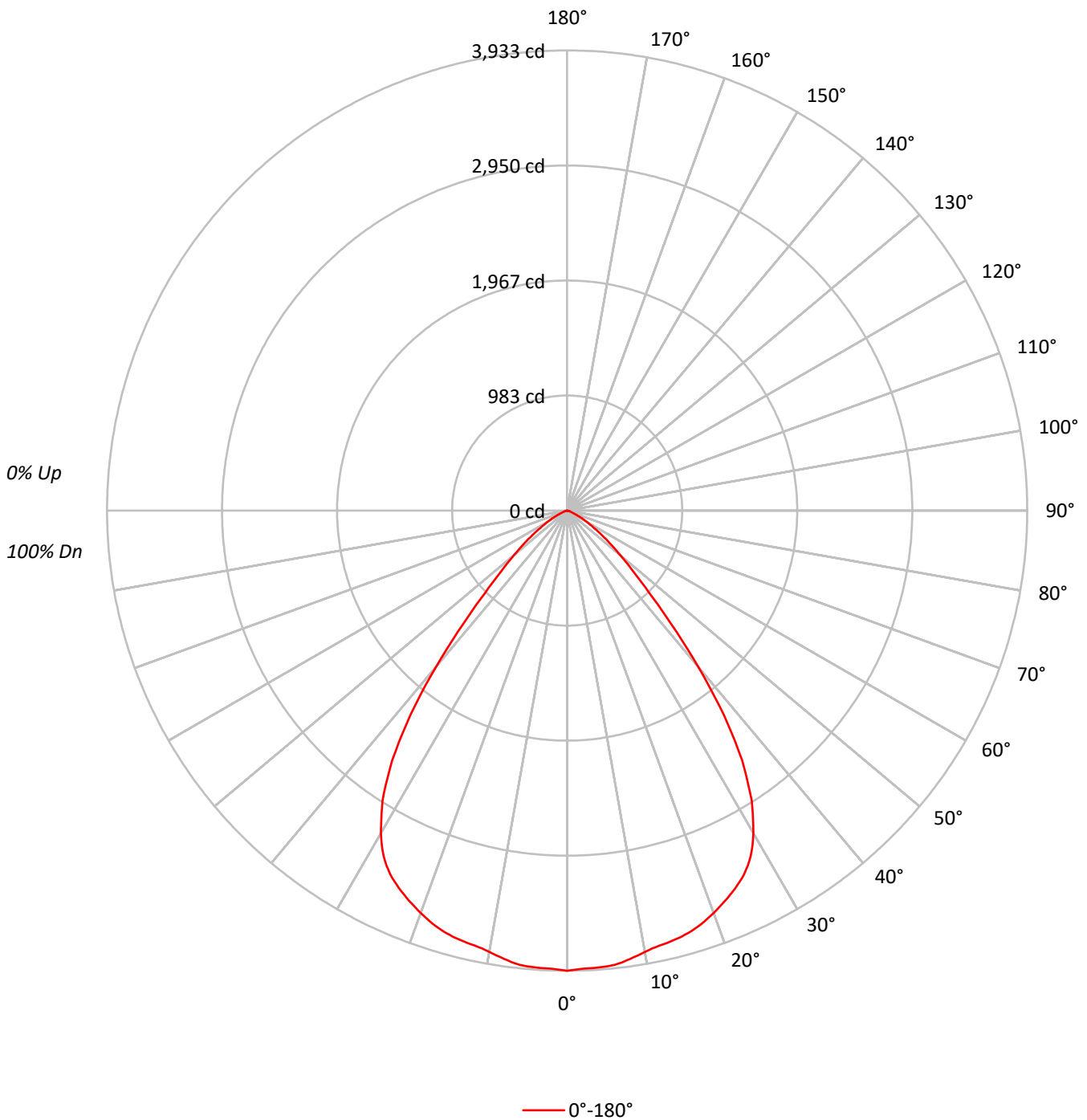
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	121292
5°	121021
10°	119925
15°	120373
20°	120117
25°	118948
30°	113372
35°	98161
40°	70022
45°	43029
50°	28385
55°	18779
60°	12026
65°	6560
70°	3210
75°	1620
80°	906
85°	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.6	6.3
10°-20°	1063.5	18.1
20°-30°	1600.5	27.3
30°-40°	1584.6	27.0
40°-50°	805.2	13.7
50°-60°	324.4	5.5
60°-70°	98.3	1.7
70°-80°	16.9	0.3
80°-90°	2.1	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°	3034.7	51.7
0°-40°	4619.2	78.7
0°-60°	5748.8	98.0
0°-90°	5866.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5866.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3933	
5°	3910	371
15°	3771	1064
25°	3496	1601
35°	2608	1585
45°	987	805
55°	349	324
65°	90	98
75°	14	17
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3933.4
1°	3924.9
2°	3918.1
3°	3916.4
4°	3914.7
5°	3909.7
6°	3902.9
7°	3889.3
8°	3869.0
9°	3850.3
10°	3830.0
11°	3813.0
12°	3801.1
13°	3792.7
14°	3782.5
15°	3770.6
16°	3755.4
17°	3736.7
18°	3714.7
19°	3689.2
20°	3660.4
21°	3629.9
22°	3599.4
23°	3567.2
24°	3533.3
25°	3496.0
26°	3455.3
27°	3402.7
28°	3341.7
29°	3268.8
30°	3184.0
32.5°	2936.5
35°	2607.6
37.5°	2197.3
40°	1739.5
42.5°	1314.0
45°	986.7
47.5°	754.5
50°	591.7
52.5°	459.5
55°	349.3
57.5°	259.4
60°	195.0
62.5°	139.0
65°	89.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	55.9
70°	35.6
72.5°	22.0
75°	13.6
77.5°	8.5
80°	5.1
82.5°	3.4
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)