

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: P251428

Luminaire Tested: **LSR8B60D010 EC8B609730 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B609730 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5251.9 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

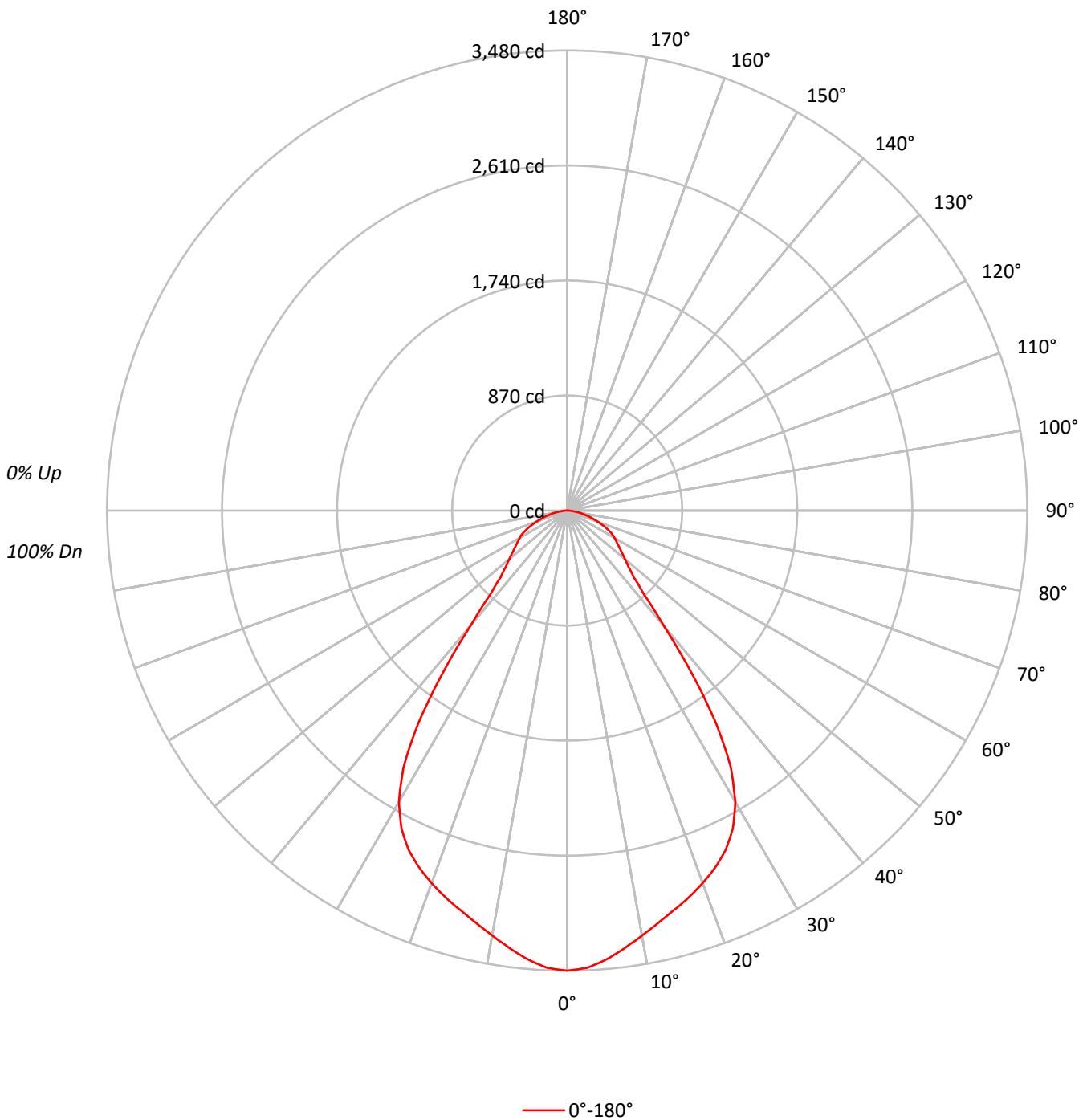
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107304
5°	105498
10°	102180
15°	99817
20°	98393
25°	96465
30°	90569
35°	73933
40°	45797
45°	31019
50°	27330
55°	25789
60°	25582
65°	24793
70°	22224
75°	19253
80°	16266
85°	12949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.6	6.1
10°-20°	883.1	16.8
20°-30°	1295.1	24.7
30°-40°	1183.8	22.5
40°-50°	586.1	11.2
50°-60°	433.4	8.3
60°-70°	333.1	6.3
70°-80°	173.6	3.3
80°-90°	43.2	0.8
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°	2498.7	47.6
0°-40°	3682.5	70.1
0°-60°	4702.0	89.5
0°-90°	5251.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5251.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3480	
5°	3408	321
15°	3127	883
25°	2835	1295
35°	1964	1184
45°	711	586
55°	480	433
65°	340	333
75°	162	174
85°	37	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3479.8
2.5°	3461.5
5°	3408.2
7.5°	3336.6
10°	3263.3
12.5°	3191.6
15°	3126.7
17.5°	3065.0
20°	2998.4
22.5°	2923.4
25°	2835.2
27.5°	2713.6
30°	2543.6
32.5°	2305.4
35°	1964.0
37.5°	1540.8
40°	1137.7
42.5°	861.2
45°	711.3
47.5°	629.7
50°	569.7
52.5°	521.4
55°	479.7
57.5°	444.8
60°	414.8
62.5°	383.1
65°	339.8
67.5°	293.2
70°	246.5
72.5°	203.2
75°	161.6
77.5°	124.9
80°	91.6
82.5°	63.3
85°	36.6
87.5°	13.3
90°	0.0

(END OF REPORT)