

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: P251082

Luminaire Tested: **LSR8B60D010 EC8B60830 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60830 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6446.9 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

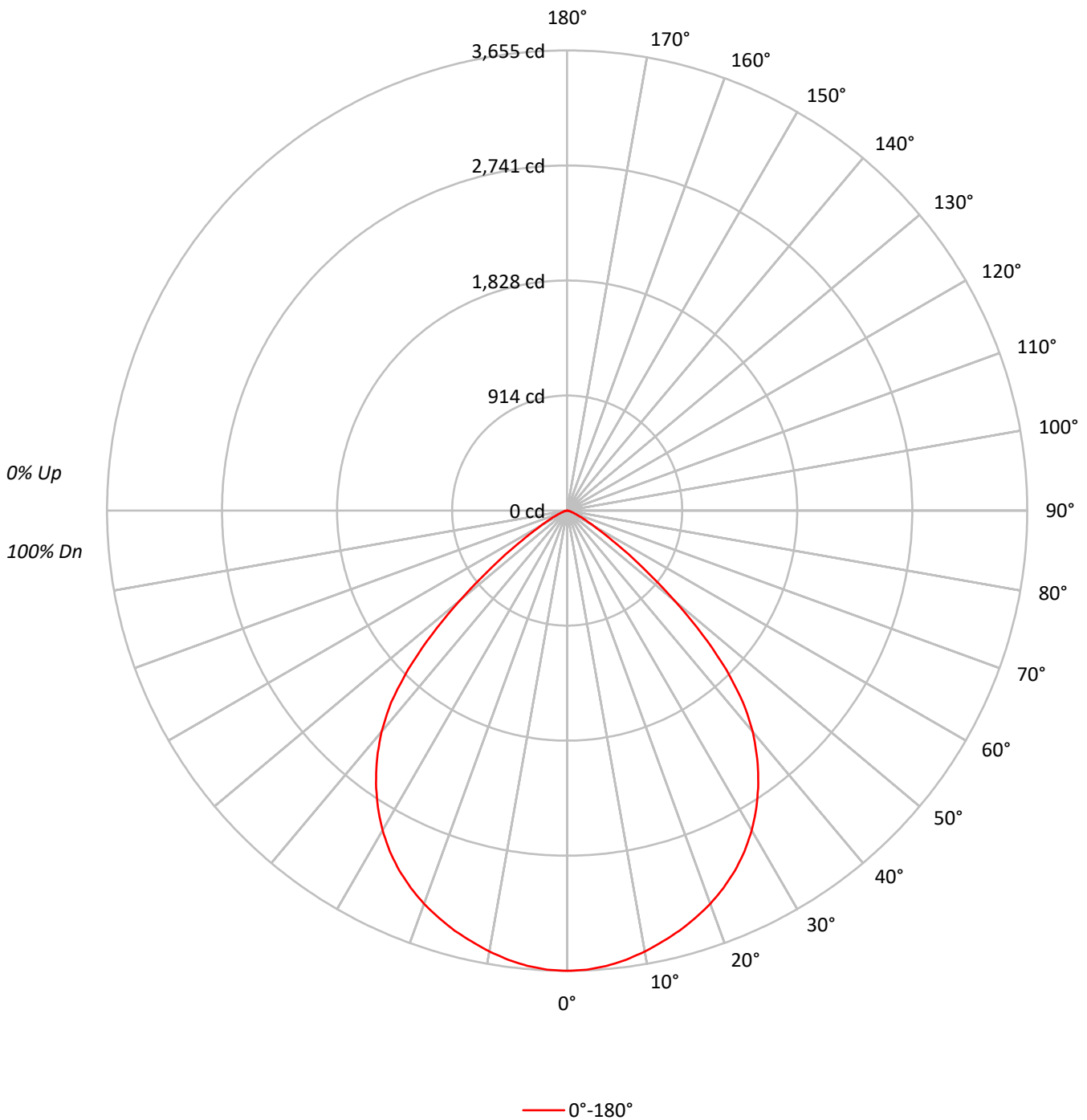
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	112719
5°	112366
10°	111361
15°	110256
20°	109072
25°	107346
30°	104399
35°	99644
40°	92343
45°	77969
50°	53490
55°	29504
60°	14832
65°	8347
70°	4544
75°	3229
80°	2060
85°	1380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.1	5.3
10°-20°	974.0	15.1
20°-30°	1450.1	22.5
30°-40°	1647.3	25.6
40°-50°	1346.5	20.9
50°-60°	527.6	8.2
60°-70°	123.0	1.9
70°-80°	29.6	0.5
80°-90°	4.7	0.1
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°	2768.3	42.9
0°-40°	4415.5	68.5
0°-60°	6289.6	97.6
0°-90°	6446.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6446.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3655	
5°	3630	344
15°	3454	974
25°	3155	1450
35°	2647	1647
45°	1788	1346
55°	549	528
65°	114	123
75°	27	30
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3655.4
2.5°	3649.5
5°	3630.1
7.5°	3597.2
10°	3556.5
12.5°	3506.0
15°	3453.7
17.5°	3391.6
20°	3323.8
22.5°	3244.2
25°	3155.0
27.5°	3050.3
30°	2932.0
32.5°	2798.2
35°	2647.0
37.5°	2480.2
40°	2294.0
42.5°	2069.1
45°	1787.9
47.5°	1458.3
50°	1115.0
52.5°	800.9
55°	548.8
57.5°	358.7
60°	240.5
62.5°	164.8
65°	114.4
67.5°	75.6
70°	50.4
72.5°	34.9
75°	27.1
77.5°	19.4
80°	11.6
82.5°	5.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)