

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: P250986

Luminaire Tested: **LSR8B60D010 EC8B60830 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60830 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6575.0 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

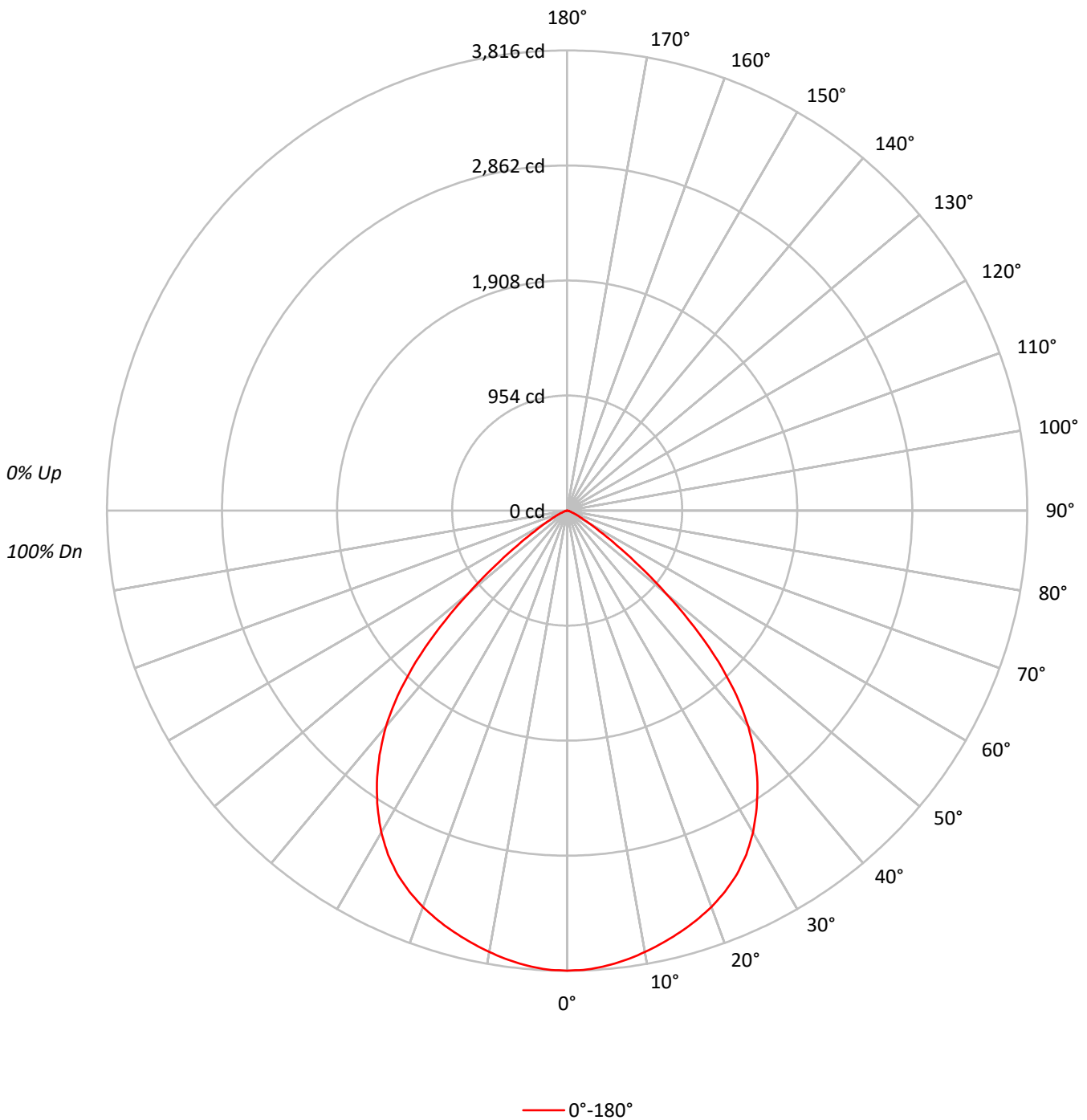
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	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°	117662
5°	117270
10°	116380
15°	115559
20°	114778
25°	113266
30°	109768
35°	103567
40°	94122
45°	77450
50°	51624
55°	26891
60°	12674
65°	6647
70°	3318
75°	2311
80°	1723
85°	1380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.4	5.5
10°-20°	1021.7	15.5
20°-30°	1528.3	23.2
30°-40°	1709.5	26.0
40°-50°	1341.1	20.4
50°-60°	489.3	7.4
60°-70°	99.8	1.5
70°-80°	21.4	0.3
80°-90°	4.5	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°	2909.4	44.2
0°-40°	4618.9	70.2
0°-60°	6449.3	98.1
0°-90°	6575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6575.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3816	
5°	3788	359
15°	3620	1022
25°	3329	1528
35°	2751	1709
45°	1776	1341
55°	500	489
65°	91	100
75°	19	21
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3815.7
2.5°	3809.8
5°	3788.5
7.5°	3757.5
10°	3716.8
12.5°	3670.2
15°	3619.8
17.5°	3563.6
20°	3497.7
22.5°	3420.1
25°	3329.0
27.5°	3216.5
30°	3082.8
32.5°	2925.7
35°	2751.2
37.5°	2555.4
40°	2338.2
42.5°	2080.4
45°	1776.0
47.5°	1432.8
50°	1076.1
52.5°	754.2
55°	500.2
57.5°	319.9
60°	205.5
62.5°	135.7
65°	91.1
67.5°	58.2
70°	36.8
72.5°	25.2
75°	19.4
77.5°	13.6
80°	9.7
82.5°	5.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)