

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: P250115

Luminaire Tested: **LSR8B100D010 EC8B1009730 8LBN0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B1009730 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7444.9 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

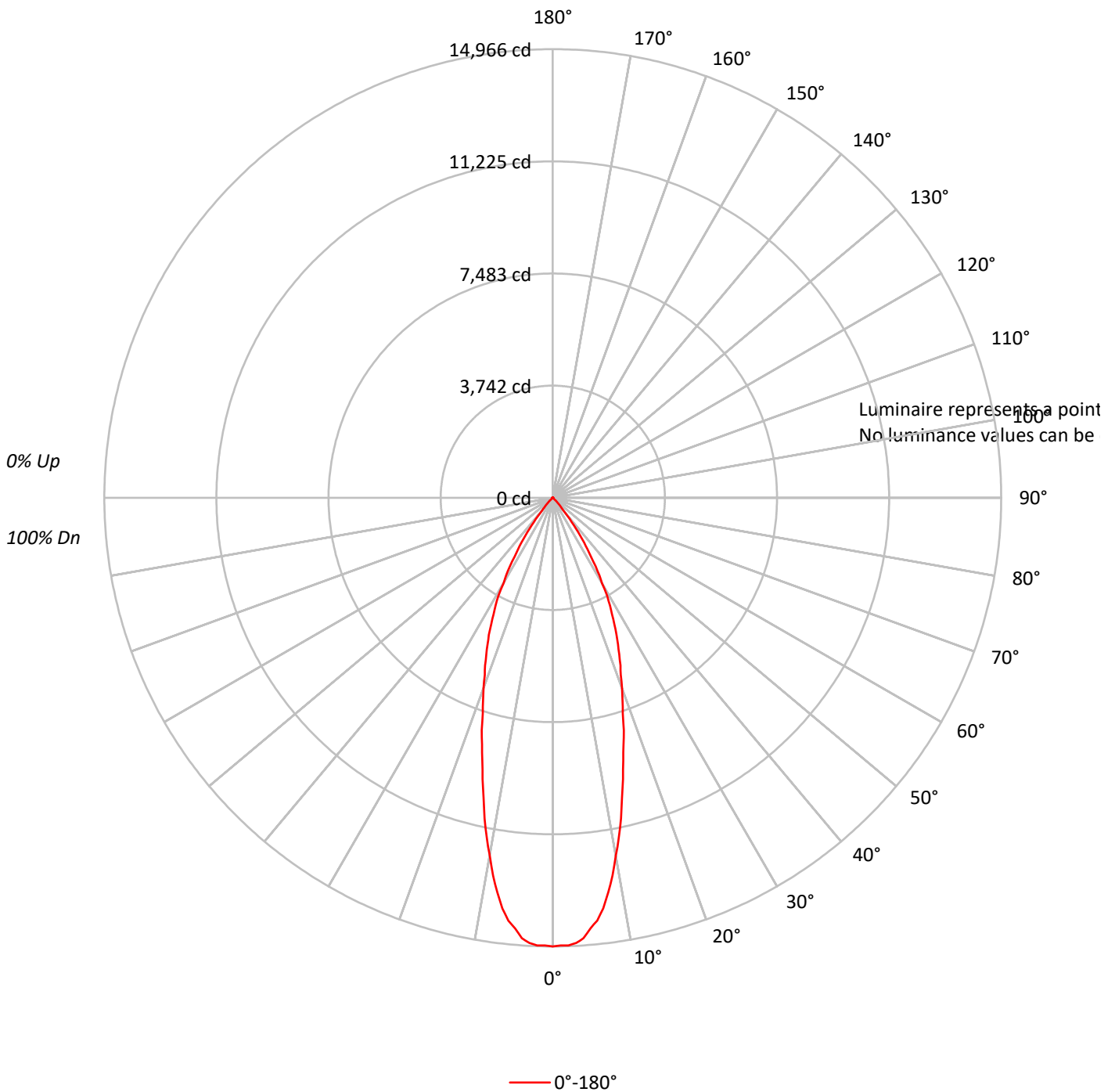
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60		67	63	60		67	63	60	59

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1307.1	17.6
10°-20°	2532.8	34.0
20°-30°	2280.4	30.6
30°-40°	1128.2	15.2
40°-50°	171.6	2.3
50°-60°	7.0	0.1
60°-70°	9.1	0.1
70°-80°	3.4	0.0
80°-90°	5.3	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°	6120.3	82.2
0°-40°	7248.5	97.4
0°-60°	7427.2	99.8
0°-90°	7444.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7444.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14966	
5°	14418	###
15°	9074	2533
25°	5042	2280
35°	1826	1128
45°	190	172
55°	3	7
65°	5	9
75°	5	3
85°	8	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	14966.3
1°	14935.1
2°	14942.8
3°	14867.5
4°	14729.8
5°	14418.1
6°	14179.1
7°	13799.8
8°	13290.7
9°	12760.6
10°	12121.5
11°	11550.1
12°	10937.0
13°	10258.9
14°	9674.4
15°	9074.3
16°	8562.5
17°	8110.5
18°	7554.5
19°	7146.6
20°	6746.7
21°	6330.9
22°	6027.0
23°	5673.7
24°	5348.9
25°	5042.4
26°	4681.3
27°	4356.6
28°	4065.6
29°	3746.1
30°	3286.3
31°	3026.5
32°	2699.2
33°	2340.6
34°	2067.9
35°	1826.2
37.5°	1156.0
40°	522.2
42.5°	355.9
45°	189.6
47.5°	106.5
50°	2.6
52.5°	10.4
55°	2.6
57.5°	15.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	2.6
62.5°	13.0
65°	5.2
67.5°	13.0
70°	7.8
72.5°	2.6
75°	5.2
77.5°	0.0
80°	2.6
82.5°	10.4
85°	7.8
87.5°	0.0
90°	0.0

(END OF REPORT)