

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: P249652

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249652  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B1509727 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11248.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

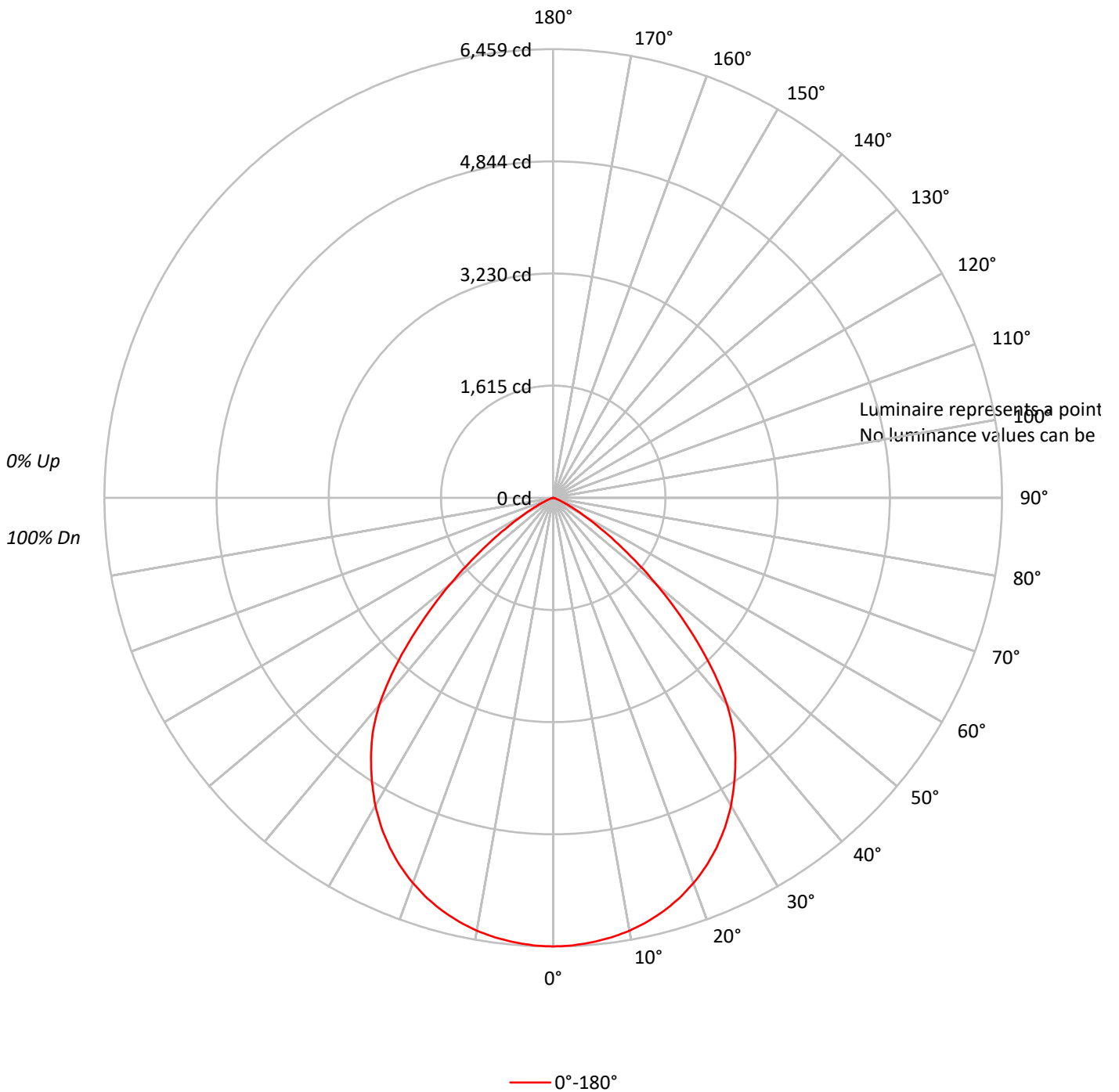
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.2	5.4
10°-20°	1734.7	15.4
20°-30°	2554.6	22.7
30°-40°	2844.3	25.3
40°-50°	2246.4	20.0
50°-60°	1007.1	9.0
60°-70°	222.3	2.0
70°-80°	25.1	0.2
80°-90°	3.3	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°	4899.5	43.6
0°-40°	7743.8	68.8
0°-60°	10997.3	97.8
0°-90°	11248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11248.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6459	
5°	6424	610
15°	6157	1735
25°	5562	2555
35°	4572	2844
45°	2935	2246
55°	1088	1007
65°	195	222
75°	20	25
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6459.0
2.5°	6449.3
5°	6423.5
7.5°	6383.8
10°	6327.4
12.5°	6251.5
15°	6156.8
17.5°	6041.3
20°	5902.7
22.5°	5743.3
25°	5561.6
27.5°	5352.0
30°	5119.5
32.5°	4852.8
35°	4572.2
37.5°	4270.7
40°	3897.6
42.5°	3435.9
45°	2935.3
47.5°	2425.7
50°	1930.7
52.5°	1478.1
55°	1087.5
57.5°	759.6
60°	509.0
62.5°	322.4
65°	194.9
67.5°	108.6
70°	53.6
72.5°	29.2
75°	20.2
77.5°	14.6
80°	9.1
82.5°	4.9
85°	2.1
87.5°	0.7
90°	0.0

(END OF REPORT)