

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: P249649

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249649  
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 EC8B150950 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14897.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

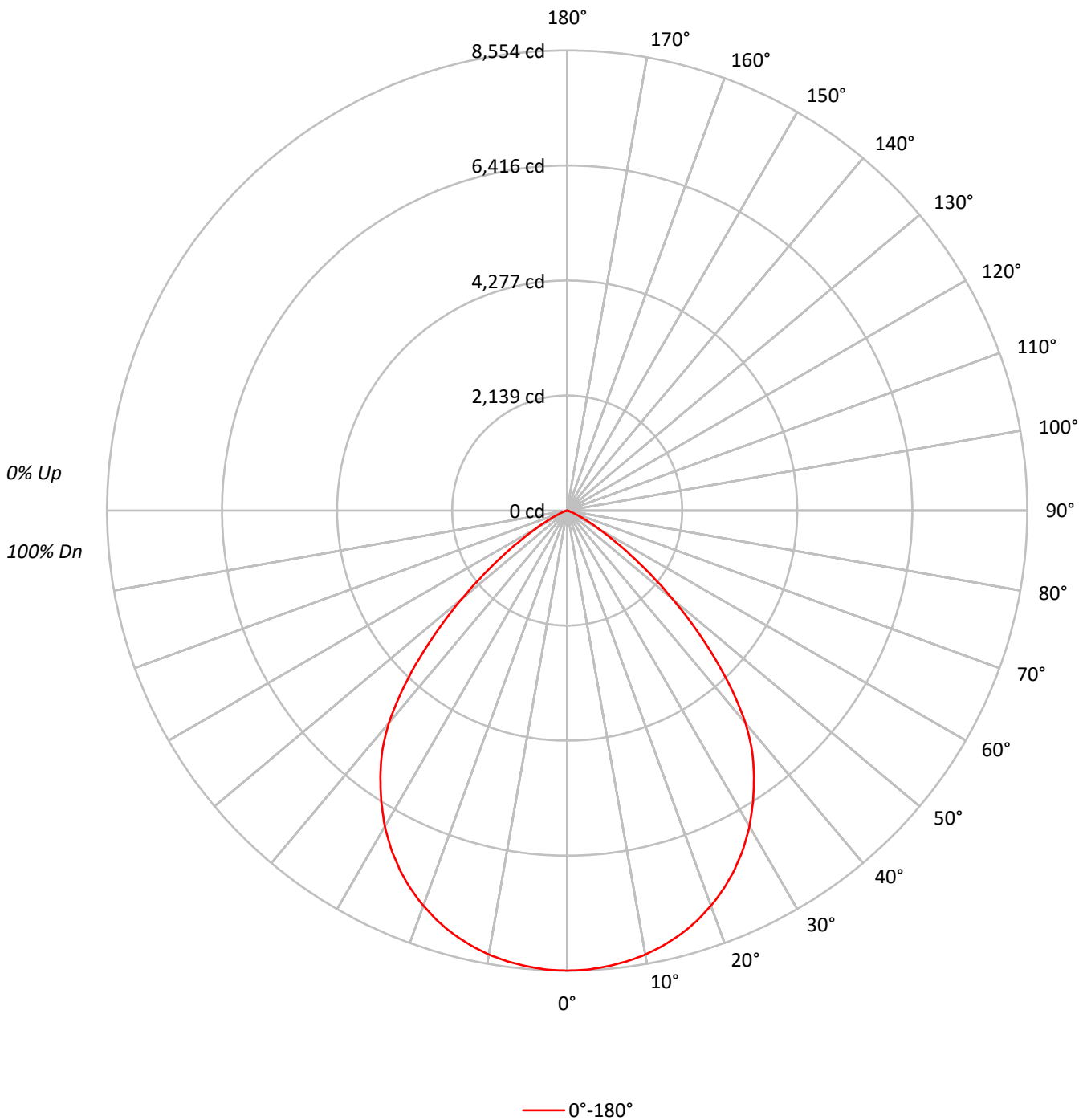
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**

	0°
0°	263786
5°	263339
10°	262398
15°	260316
20°	256537
25°	250615
30°	241424
35°	227954
40°	207791
45°	169535
50°	122666
55°	77433
60°	41574
65°	18840
70°	6401
75°	3181
80°	2131
85°	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	808.1	5.4
10°-20°	2297.5	15.4
20°-30°	3383.3	22.7
30°-40°	3767.0	25.3
40°-50°	2975.2	20.0
50°-60°	1333.9	9.0
60°-70°	294.4	2.0
70°-80°	33.2	0.2
80°-90°	4.4	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°	6488.9	43.6
0°-40°	10255.9	68.8
0°-60°	14565.0	97.8
0°-90°	14897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14897.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8554	
5°	8507	808
15°	8154	2297
25°	7366	3383
35°	6056	3767
45°	3888	2975
55°	1440	1334
65°	258	294
75°	27	33
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8554.4
2.5°	8541.5
5°	8507.4
7.5°	8454.8
10°	8380.1
12.5°	8279.6
15°	8154.2
17.5°	8001.1
20°	7817.6
22.5°	7606.5
25°	7365.8
27.5°	7088.3
30°	6780.3
32.5°	6427.1
35°	6055.5
37.5°	5656.2
40°	5162.0
42.5°	4550.6
45°	3887.6
47.5°	3212.6
50°	2557.0
52.5°	1957.6
55°	1440.3
57.5°	1006.0
60°	674.1
62.5°	426.9
65°	258.2
67.5°	143.8
70°	71.0
72.5°	38.7
75°	26.7
77.5°	19.4
80°	12.0
82.5°	6.5
85°	2.8
87.5°	0.9
90°	0.0

(END OF REPORT)