

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: P249628

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249628  
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 EC8B150835 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16155.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 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

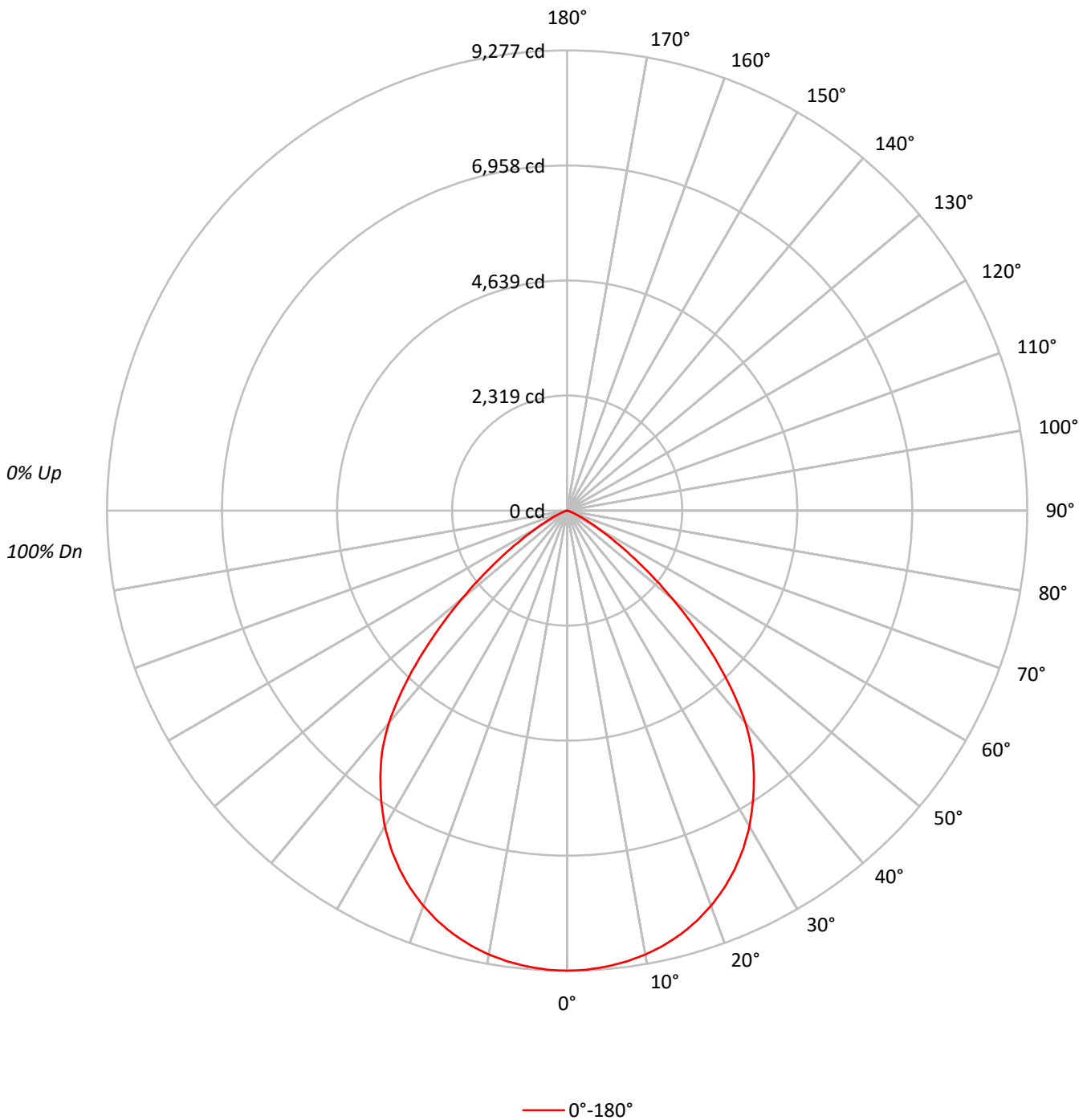
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91	91	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65	65	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58	58	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

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

	0°
0°	286062
5°	285576
10°	284557
15°	282298
20°	278202
25°	271778
30°	261809
35°	247206
40°	225338
45°	183852
50°	133024
55°	83975
60°	45083
65°	20430
70°	6942
75°	3455
80°	2309
85°	1061



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	876.3	5.4
10°-20°	2491.5	15.4
20°-30°	3669.0	22.7
30°-40°	4085.2	25.3
40°-50°	3226.4	20.0
50°-60°	1446.5	9.0
60°-70°	319.3	2.0
70°-80°	36.0	0.2
80°-90°	4.8	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°	7036.9	43.6
0°-40°	11122.0	68.8
0°-60°	15795.0	97.8
0°-90°	16155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16155.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9277	
5°	9226	876
15°	8843	2491
25°	7988	3669
35°	6567	4085
45°	4216	3226
55°	1562	1447
65°	280	319
75°	29	36
85°	3	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9276.8
2.5°	9262.8
5°	9225.8
7.5°	9168.8
10°	9087.8
12.5°	8978.8
15°	8842.8
17.5°	8676.8
20°	8477.8
22.5°	8248.8
25°	7987.8
27.5°	7686.8
30°	7352.8
32.5°	6969.8
35°	6566.9
37.5°	6133.9
40°	5597.9
42.5°	4934.9
45°	4215.9
47.5°	3483.9
50°	2772.9
52.5°	2123.0
55°	1562.0
57.5°	1091.0
60°	731.0
62.5°	463.0
65°	280.0
67.5°	156.0
70°	77.0
72.5°	42.0
75°	29.0
77.5°	21.0
80°	13.0
82.5°	7.0
85°	3.0
87.5°	1.0
90°	0.0

(END OF REPORT)