

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: P249622

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249622
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 EC8B150827 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15156.0 lumens
Efficiency: N/A
Efficacy: 95.6 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

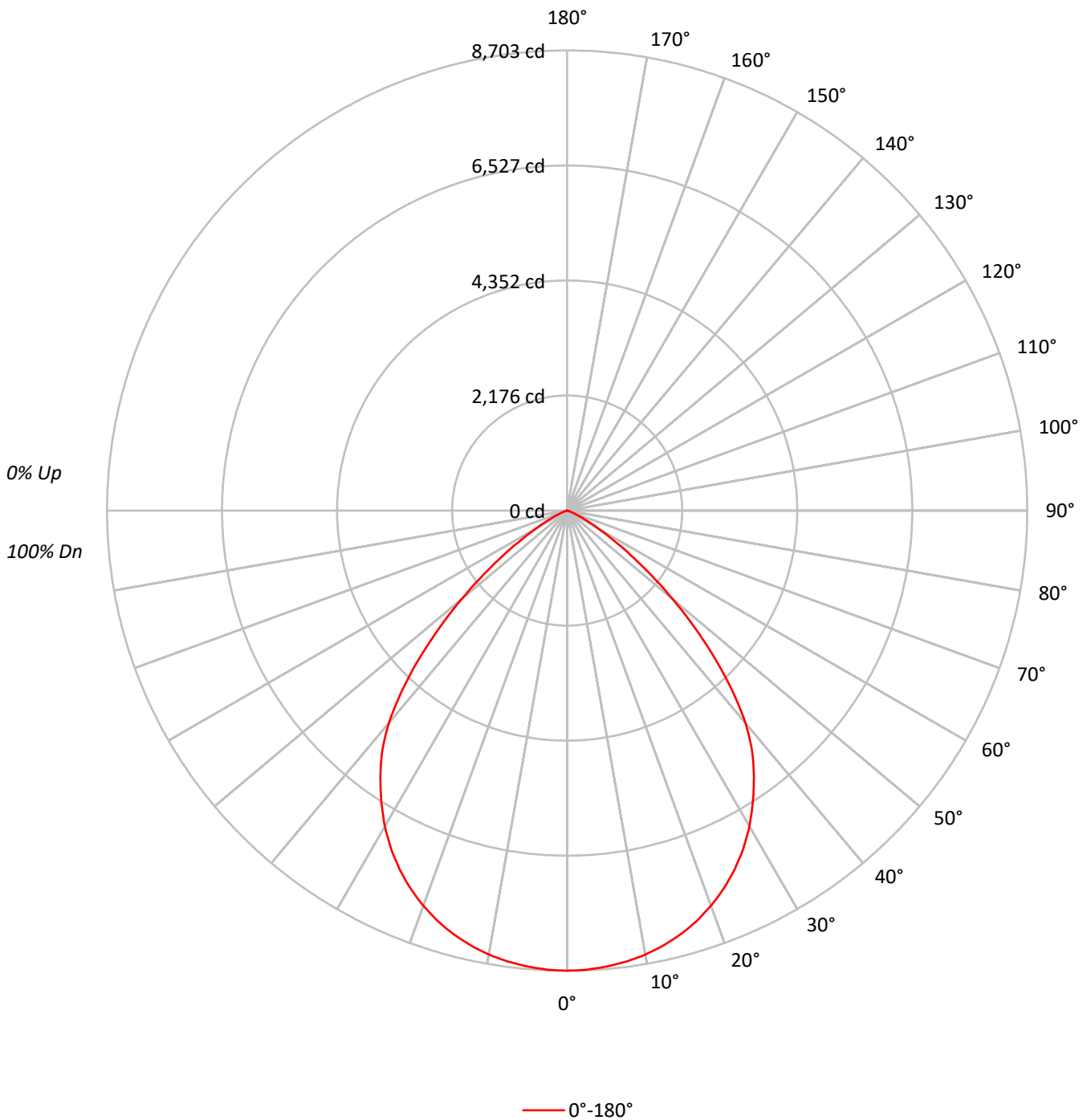
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	268372
5°	267917
10°	266960
15°	264842
20°	261000
25°	254973
30°	245622
35°	231918
40°	211402
45°	172483
50°	124801
55°	78782
60°	42295
65°	19168
70°	6510
75°	3241
80°	2166
85°	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.1	5.4
10°-20°	2337.4	15.4
20°-30°	3442.2	22.7
30°-40°	3832.5	25.3
40°-50°	3026.9	20.0
50°-60°	1357.1	9.0
60°-70°	299.6	2.0
70°-80°	33.8	0.2
80°-90°	4.5	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°	6601.7	43.6
0°-40°	10434.3	68.8
0°-60°	14818.2	97.8
0°-90°	15156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15156.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8703	
5°	8655	822
15°	8296	2337
25°	7494	3442
35°	6161	3833
45°	3955	3027
55°	1465	1357
65°	263	300
75°	27	34
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8703.1
2.5°	8690.0
5°	8655.3
7.5°	8601.8
10°	8525.8
12.5°	8423.6
15°	8296.0
17.5°	8140.3
20°	7953.6
22.5°	7738.7
25°	7493.9
27.5°	7211.5
30°	6898.2
32.5°	6538.8
35°	6160.8
37.5°	5754.6
40°	5251.7
42.5°	4629.7
45°	3955.2
47.5°	3268.5
50°	2601.5
52.5°	1991.7
55°	1465.4
57.5°	1023.5
60°	685.8
62.5°	434.4
65°	262.7
67.5°	146.4
70°	72.2
72.5°	39.4
75°	27.2
77.5°	19.7
80°	12.2
82.5°	6.6
85°	2.8
87.5°	0.9
90°	0.0

(END OF REPORT)